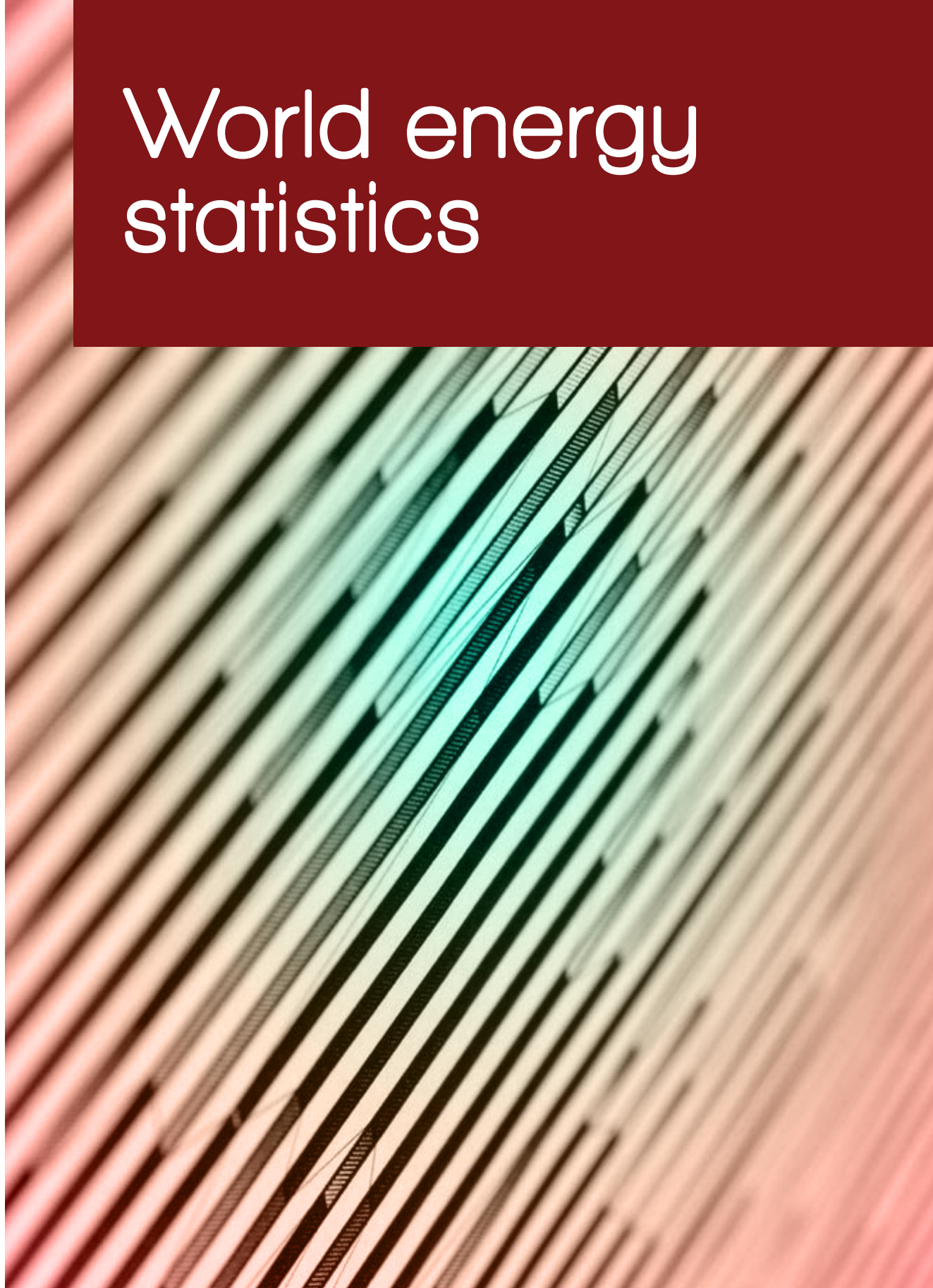


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World energy statistics



International
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2018

World energy statistics

2018

INTERNATIONAL ENERGY AGENCY

The IEA examines the full spectrum of energy issues including oil, gas and coal supply and demand, renewable energy technologies, electricity markets, energy efficiency, access to energy, demand side management and much more. Through its work, the IEA advocates policies that will enhance the reliability, affordability and sustainability of energy in its 30 member countries, 7 association countries and beyond.

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INTRODUCTION

World Energy Statistics provides detailed statistics on production, trade and consumption for each source of energy for all the world's largest energy producing and consuming countries. It contains statistics for each source of energy for all OECD countries, the seven IEA Association countries, and over 100 other key energy producing and consuming countries, and main geographical regions, including the World. Non-OECD countries cover developing countries in Africa, Latin America and Asia, Central and Eastern European countries, and Eurasia. The consistency and complementarity of OECD and non-OECD countries' data ensure an accurate picture of the global energy situation.

Complementing the data in energy units of the sister publication *World Energy Balances*, this book includes detailed data by country for all energy sources – coal, gas, oil, electricity, renewables and waste - expressed in commodity balance format, for 2016 and provisional 2017 supply for OECD countries, and initial 2017 estimates for non-OECD countries production and trade of natural gas, primary coal and oil.

In this release, energy statistics are displayed for the world and the main geographic regions, then for OECD countries, Association countries, and finally for the other non-OECD countries

This volume has been prepared in close collaboration with other international organisations, including Eurostat, the Economic Commission for Europe of the United Nations (UNECE), the Organización Latinoamericana de Energía (OLADE), the Asia Pacific Energy Research Centre (APEREC), the United Nations Statistics Division (UNSD), and the Forestry Department of the Food and Agriculture Organisation of the United Nations (FAO).

While every effort is made to ensure the accuracy of the data, quality is not homogeneous throughout the

publication, reflecting the availability of data. In some countries data are based on secondary sources, and where incomplete or unavailable, on estimates. In general, data are likely to be more accurate for production, trade and total consumption than for individual sectors in transformation or final consumption.

General issues of data quality, as well as country notes and sources, should always be consulted when using data. In addition, limited official data are available for 2017 from non-OECD countries, therefore estimations have been used in most cases.

Data were collected by the team in the Energy Data Centre (EDC) of the IEA Secretariat, headed by Duncan Millard.

Within the IEA, for OECD members, data were prepared: by Beatriz Martinez for coal, by Aidan Kennedy, Mark Mateo and Julian Smith for electricity, by Dae Yong Kwon and Samantha Mead for renewables, by Angela Ortega Pastor and Laura Thomson for oil, by Faidon Papadimoulis and Aitor Soler Garcia for natural gas. OECD fuel data were prepared under the responsibility of Vladimir Kubecek and Julian Prime for coal, electricity and renewables, and under the responsibility of Erica Robin for oil and natural gas. OECD energy balances data were prepared by Rémi Gigoux, under the responsibility of Roberta Quadrelli. Non-OECD countries statistics were prepared by Nicolas Coënt, Laila El-Ashmawy, Musa Erdogan, Markus Fager-Pintilä, Julia Guyon, Nikolaos Kordevas, Agnieszka Koscielniak, Dae Yong Kwon and Claire Morel, under the responsibility of Céline Rouquette.

Roberta Quadrelli and Céline Rouquette have the overall responsibility for this report. The publication and its statistics were produced by Musa Erdogan and Rémi Gigoux. Desktop publishing was carried out by Sharon Burghraeve.

We would like to thank our numerous contacts worldwide in national administrations and in public and private companies for their helpful co-operation.

Complete supply and consumption data from 1971 to 2016 and selected estimates for 2017 are available on

our online data service and on CD-ROM. Moreover, data can also be obtained on a pay-per-view basis. Details are available at www.iea.org/statistics.

Enquiries about data, methodology, or comments and suggestions should be addressed to: stats@iea.org

What's new?

New IEA Member: Mexico

Mexico became the International Energy Agency's 30th member country on 17 February 2018. Accordingly, starting with the 2018 edition, Mexico appears in the list of IEA Members and is included in the IEA zone aggregates for data starting in 1971 and for the entire time series.

New Association country: Brazil

Brazil joined the IEA as an Association country in October 2017. Accordingly, Brazil is now included in the IEA and Accession/Association countries aggregate for data starting in 1971 and for the entire time series.

PART I

EXPLANATORY NOTES

ABBREVIATIONS

Btu:	British thermal unit
GWh:	gigawatt hour
kcal:	kilocalorie
kg:	kilogramme
kJ:	kilojoule
Mt:	million tonnes
m ³ :	cubic metre
t:	metric ton = tonne = 1000 kg
TJ:	terajoule
toe:	tonne of oil equivalent = 10 ⁷ kcal
CHP:	combined heat and power
GCV:	gross calorific value
GDP:	gross domestic product
HHV:	higher heating value = GCV
LHV:	lower heating value = NCV
NCV:	net calorific value
PPP:	purchasing power parity
TPES:	total primary energy supply
AfDB:	African Development Bank
EU-28:	European Union - 28
FAO:	Food and Agriculture Organisation of the United Nations
IEA:	International Energy Agency
IPCC:	Intergovernmental Panel on Climate Change
ISIC:	International Standard Industrial Classification
OECD:	Organisation for Economic Co-Operation and Development
OLADE:	Organización Latinoamericana de Energía
UN:	United Nations
UNIPED:	International Union of Producers and Distributors of Electrical Energy
c	confidential
e	estimated
..	not available
-	nil
x	not applicable

1. DEFINITIONS OF PRODUCTS AND FLOWS

The energy statistics tables provide a set of commodity balances for all sources of energy (“products”): primary coal and coal products, peat, natural gas, primary oil and oil products, solid biofuels, liquid biofuels, biogases, waste, as well as electricity and heat, which are derived from various sources.

Each commodity balance is divided into three main blocks of “flows”: from top to bottom, the first showing *supply*, the second showing the *transformation processes* and *energy industries*, and the third showing *final consumption*, broken down into the various end-use sectors.

The definitions of products and flows presented in this chapter are based on those of the *Joint IEA/Eurostat/UNECE annual energy questionnaires*¹, and on the United Nations *International Recommendations on Energy Statistics*.²

Products

Coal

With the exception of the coal gases, the fuels in this section are expressed in thousand tonnes. The coal gases are expressed in terajoules on a **gross calorific value** basis.

Coking coal

Coking coal refers to bituminous coal with a quality that allows the production of a coke suitable to support

a blast furnace charge. Its gross calorific value is equal to or greater than 24 000 kJ/kg (5 732 kcal/kg) on an ash-free but moist basis.

Other bituminous coal and anthracite

Other bituminous coal is used mainly for steam raising and space heating purposes and includes all bituminous coal that is not included under coking coal nor anthracite. It is characterized by higher volatile matter than anthracite (more than 10%) and lower carbon content (less than 90% fixed carbon). Its gross calorific value is equal to or greater than 24 000 kJ/kg (5 732 kcal/kg) on an ash-free but moist basis.

Anthracite is a high rank coal used for industrial and residential applications. It has generally less than 10% volatile matter and a high carbon content (about 90% fixed carbon). Its gross calorific value is equal to or greater than 24 000 kJ/kg (5 732 kcal/kg) on an ash-free but moist basis.

Sub-bituminous coal

Non-agglomerating coals with a gross calorific value equal to or greater than 20 000 kJ/kg (4 777 kcal/kg) and less than 24 000 kJ/kg (5 732 kcal/kg) containing more than 31% volatile matter on a dry mineral matter free basis.

Lignite

Lignite is a non-agglomerating coal with a gross calorific value of less than 20 000 kJ/kg (4 777 kcal/kg), and greater than 31% volatile matter on a dry mineral matter free basis.

Note: oil shale is presented separately and not included with lignite.

1. www.iea.org/statistics/resources/questionnaires/annual/.

2. <https://unstats.un.org/UNSD/energy/ires/default.htm>

Coke oven coke, gas coke and coal tar

Coke oven coke is the solid product obtained from the carbonisation of coal, principally coking coal, at high temperature. It is low in moisture content and volatile matter. Coke oven coke is used mainly in the iron and steel industry, acting as an energy source and a chemical agent. Also included are semi-coke (a solid product obtained from the carbonisation of coal at a low temperature), lignite coke (a semi-coke made from lignite), coke breeze and foundry coke. The heading *other energy industry own use* includes the consumption at the coking plants themselves. Consumption in the *iron and steel industry* does not include coke converted into blast furnace gas. To obtain the total consumption of coke oven coke in the iron and steel industry, the quantities converted into blast furnace gas have to be added (these are included in *blast furnaces*).

Gas coke is a by-product of hard coal used for the *production* of town gas in gas works. Gas coke is used for heating purposes. *Other energy industry own use* includes the consumption of gas coke at gas works.

Coal tar is a result of the destructive distillation of bituminous or of the low-temperature carbonisation of brown coal. Coal tar from bituminous coal is the liquid by-product of the distillation of coal to make coke in the coke oven process. Coal tar can be further distilled into different organic products (e.g. benzene, toluene, naphthalene), which normally would be reported as a feedstock to the petrochemical industry.

Patent fuel and brown coal briquettes (BKB)

Patent fuel is a composition fuel manufactured from hard coal fines with the addition of a binding agent. The amount of patent fuel produced may, therefore, be slightly higher than the actual amount of coal consumed in the transformation process. Consumption of patent fuels during the patent fuel manufacturing process is included under *other energy industry own use*.

BKB is a composition fuel manufactured from lignite or sub-bituminous coal, produced by briquetting under high pressure with or without the addition of a binding agent. These figures include peat briquettes, dried lignite fines and dust. The heading *other energy industry own use* includes consumption by briquetting plants.

Gas works gas

Gas works gas covers all types of gas produced in public utility or private plants, whose main purpose is the manufacture, transport and distribution of gas. It

includes gas produced by carbonisation (including gas produced by coke ovens and transferred to gas works), by total gasification (with or without enrichment with oil products) and by reforming and simple mixing of gases and/or air.

Coke oven gas

Coke oven gas is obtained as a by-product of the manufacture of coke oven coke for the production of iron and steel.

Recovered gases

Blast furnace gas is produced during the combustion of coke in blast furnaces in the iron and steel industry. It is recovered and used as a fuel, partly within the plant and partly in other steel industry processes or in power stations equipped to burn it.

Other recovered gases are obtained as a by-product of the production of steel in an oxygen furnace and are recovered on leaving the furnace. The gases are also known as converter gas, LD gas or BOS gas.

Peat

Peat and peat products

Peat is a combustible soft, porous or compressed, fossil sedimentary deposit of plant origin with high water content (up to 90% in the raw state), easily cut, of light to dark brown colour. Peat used for non-energy purposes is not included here. Milled peat is included here.

Peat products are products such as peat briquettes derived directly or indirectly from sod peat and milled peat.

Note: for presentational purposes, in the statistics tables, the column of peat also includes data for oil shale, where applicable.

Oil shale

Oil shale and oil sands

Oil shale and oil sands produced and combusted directly are included in this category. Oil shale and oil sands used as inputs for other transformation processes are also included here (this includes the portion consumed in the transformation process). Shale oil and other products derived from liquefaction are included in *from other sources* under crude oil (*other hydrocarbons*).

For presentational purposes, in the statistics tables, data for oil shale have been included within the column of peat, where applicable.

Natural gas

Natural gas is expressed in terajoules on a **gross calorific value** basis.

Natural gas comprises gases, occurring in underground deposits, whether liquefied or gaseous, consisting mainly of methane. It includes: "non-associated" gas originating from fields producing hydrocarbons only in gaseous form; "associated" gas produced in association with crude oil; and methane recovered from coal mines (colliery gas) or from coal seams (coal seam gas).

Production represents dry marketable production within national boundaries, including offshore production and is measured after purification and extraction of NGL and sulphur. It includes quantities used within the natural gas industry; in gas extraction, pipeline systems and processing plants. Quantities of gas that are re-injected, vented or flared are excluded.

Crude oil, NGL, refinery feedstocks

The fuels in this section are expressed in thousand tonnes.

Crude oil

Crude oil is a mineral oil of natural origin consisting of a mixture of hydrocarbons of natural origin and associated impurities, such as sulphur. It exists in the liquid phase under normal surface temperature and pressure and its physical characteristics (density, viscosity, etc.) are highly variable. It includes field or lease condensates (separator liquids) which are recovered from associated and non-associated gas where it is commingled with the commercial crude oil stream.

Other hydrocarbons, including synthetic crude oil from tar sands, shale oil, etc., liquids from coal liquefaction, output of liquids from natural gas conversion into gasoline, hydrogen and emulsified oils (e.g. Orimulsion), are included here. This aggregation differs from the presentation of other hydrocarbons in the Oil Information publication.

Natural gas liquids (NGLs)

NGLs are the liquid or liquefied hydrocarbons recovered from natural gas in separation facilities or gas processing plants. NGLs include ethane, propane, (normal and iso-) butane, (iso-) pentane and pentanes

plus (sometimes referred to as natural gasoline or plant condensates).

Refinery feedstocks

A refinery feedstock is a processed oil destined for further processing (e.g. straight run fuel oil or vacuum gas oil) other than blending in the refining industry. With further processing, it will be transformed into one or more components and/or finished products. This definition also covers returns from the petrochemical industry to the refining industry (e.g. pyrolysis gasoline, C4 fractions, gasoil and fuel oil fractions).

Additives

Additives are non-hydrocarbon compounds added to or blended with a product to modify its properties, for example, to improve its combustion characteristics. Alcohols and ethers (MTBE, methyl tertiary-butyl ether) and chemical alloys such as tetraethyl lead are included here. The biofuel fractions of biogasoline, biodiesel and ethanol are not included here, but under liquid biofuels. This differs from the presentation of additives in the *Oil Information* publication.

Oil products

The fuels in this section are expressed in thousand tonnes.

Oil products are any oil-based products which can be obtained by distillation and are normally used outside the refining industry. The exceptions to this are those finished products which are classified as refinery feedstocks.

Refinery gas (not liquefied)

Refinery gas includes a mixture of non-condensed gases mainly consisting of hydrogen, methane, ethane and olefins obtained during distillation of crude oil or treatment of oil products (e.g. cracking) in refineries. It also includes gases which are returned from the petrochemical industry. Refinery gas production refers to gross production. Own consumption is shown separately under *oil refineries in energy industry own use*.

Liquefied petroleum gases (LPG) and ethane

LPGs are light paraffinic hydrocarbons derived from refinery processes, crude oil stabilisation plants and natural gas processing plants. They consist mainly of propane (C₃H₈) and butane (C₄H₁₀) or a combination of the two. They could also include propylene, butylene,

isobutene and isobutylene. LPGs are normally liquefied under pressure for transportation and storage.

Ethane is a naturally gaseous straight-chain hydrocarbon (C₂H₆) which is extracted from natural gas and refinery gas streams.

Motor gasoline excluding biofuels

Motor gasoline is light hydrocarbon oil for use in internal combustion engines such as motor vehicles, excluding aircraft. Motor gasoline is distilled between 35°C and 215°C and is used as a fuel for land based spark ignition engines. Motor gasoline may include additives, oxygenates and octane enhancers, including lead compounds such as TEL (tetraethyl lead) and TML (tetramethyl lead). Motor gasoline excluding biofuels does not include the liquid biofuel or ethanol blended with gasoline - see liquid biofuels. This differs from the presentation of motor gasoline in the *Oil Information* publication.

Aviation fuels

Aviation fuels comprise gasoline and kerosene type jet fuels meeting specifications for use in aviation turbine power units as well as small amounts of aviation gasoline.

Gasoline-type jet fuel includes all light hydrocarbon oils for use in aviation turbine power units, distilling between 100°C and 250°C. This fuel is obtained by blending kerosenes and gasoline or naphthas in such a way that the aromatic content does not exceed 25% in volume, and the vapour pressure is between 13.7 kPa and 20.6 kPa. Additives can be included to improve fuel stability and combustibility.

Kerosene-type jet fuel is a medium distillate used for aviation turbine power units. It has the same distillation characteristics (between 150°C and 300°C but not generally above 250°C) and flash point as kerosene. In addition, it has particular specifications (such as freezing point) which are established by the International Air Transport Association (IATA). It includes kerosene blending components.

This aggregation differs from the presentation of aviation fuels in the *Oil Information* publication.

Aviation gasoline is motor spirit prepared especially for aviation piston engines, with an octane number suited to the engine, a freezing point of -60°C, and a distillation range usually within the limits of 30°C and 180°C.

Other kerosene

Kerosene (other than kerosene used for aircraft transport which is included with aviation fuels) comprises refined petroleum distillate intermediate in volatility between gasoline and gas/diesel oil. It is a medium oil distilling between 150°C and 300°C.

Gas/diesel oil (distillate fuel oil) excluding biofuels

Gas/diesel oil includes heavy gas oils. Gas oils are obtained from the lowest fraction from atmospheric distillation of crude oil, while heavy gas oils are obtained by vacuum redistillation of the residual from atmospheric distillation. Gas/diesel oil distils between 180°C and 380°C. Several grades are available depending on uses: diesel oil for diesel compression ignition (cars, trucks, marine, etc.), light heating oil for industrial and commercial uses, and other gas oil including heavy gas oils which distil between 380°C and 540°C and which are used as petrochemical feedstocks. Gas/diesel oil excluding biofuels does not include the liquid biofuels blended with gas/diesel oil – see liquid biofuels. This differs from the presentation of gas/diesel oil in the *Oil Information* publication.

Fuel oil

Fuel oil defines oils that make up the distillation residue. It comprises all residual fuel oils, including those obtained by blending. Its kinematic viscosity is above 10 cSt at 80°C. The flash point is always above 50°C and the density is always higher than 0.90 kg/l.

Naphtha

Naphtha is a feedstock destined either for the petrochemical industry (e.g. ethylene manufacture or aromatics production) or for gasoline production by reforming or isomerisation within the refinery. Naphtha comprises material that distils between 30°C and 210°C. Naphtha imported for blending is shown as an import of naphtha, and then shown in the transfers row as a negative entry for naphtha and a positive entry for the corresponding finished product (e.g. gasoline).

Petroleum coke

Petroleum coke is a black solid by-product, obtained mainly by cracking and carbonising of petroleum derived feedstocks, vacuum bottoms, tar and pitches in processes such as delayed coking or fluid coking. It consists mainly of carbon (90 to 95%) and has a low ash content. It is used as a feedstock in coke ovens for the steel industry, for heating purposes, for electrode manufacture and for production of chemicals. The two

most important qualities are "green coke" and "calcinated coke". This category also includes "catalyst coke" deposited on the catalyst during refining processes: this coke is not recoverable and is usually burned as refinery fuel.

Other oil products

In this publication, the category *other oil products* groups together white spirit and SBP, lubricants, bitumen, paraffin waxes and others.

White spirit and SBP are refined distillate intermediates with a distillation in the naphtha/kerosene range. White spirit has a flash point above 30°C and a distillation range of 135°C to 200°C. Industrial spirit (SBP) comprises light oils distilling between 30°C and 200°C. In other words, SBP is a light oil of narrower cut than motor spirit. There are seven or eight grades of industrial spirit, depending on the position of the cut in the distillation range. The grades are defined according to the temperature difference between the 5% volume and 90% volume distillation points (not more than 60°C).

Lubricants are hydrocarbons produced from distillate or residue; they are mainly used to reduce friction between bearing surfaces. This category includes all finished grades of lubricating oil, from spindle oil to cylinder oil, and those used in greases, including motor oils and all grades of lubricating oil base stocks.

Bitumen is a solid, semi-solid or viscous hydrocarbon with a colloidal structure that is brown to black in colour. It is obtained by vacuum distillation of oil residues from atmospheric distillation of crude oil. Bitumen is often referred to as asphalt and is primarily used for surfacing of roads and for roofing material. This category includes fluidised and cut-back bitumen.

Paraffin waxes are saturated aliphatic hydrocarbons. These waxes are residues extracted when dewaxing lubricant oils, and they have a crystalline structure which is more or less fine according to the grade. Their main characteristics are that they are colourless, odourless and translucent, with a melting point above 45°C.

Other oil products not classified above (e.g. tar, sulphur and grease) are included here. This category also includes aromatics (e.g. BTX or benzene, toluene and xylene) and olefins (e.g. propylene) produced within refineries.

Biofuels and Waste

The fuels in this section are expressed in terajoules on a **net calorific value** basis, with the exception of liquid biofuels and charcoal, which are in thousand tonnes.

Note that for biomass commodities, only the amounts specifically used for energy purposes (a small part of the total) are included in the energy statistics. Therefore, the non-energy use of biomass is not taken into consideration and the quantities are null by definition.

Solid biofuels

Solid biofuels are defined as any plant matter used directly as fuel or converted into other forms before combustion. This covers a multitude of woody materials generated by industrial process or provided directly by forestry and agriculture (firewood, wood chips, bark, sawdust, shavings, chips, sulphite lyes also known as black liquor, animal materials/wastes and other solid biofuels).

Charcoal produced from solid biofuels is also included here. Since charcoal is a secondary product, its treatment is slightly different than that of the other primary biofuels. Production of charcoal (an output in the transformation process) is offset by the inputs of primary biofuels into the charcoal production process. The losses from this process are included in the row *other transformation*. Other supply (e.g. trade and stock changes) as well as consumption are aggregated directly with the primary biofuels. In most countries, only the primary biofuels are reported.

Biogases

Biogases are gases arising from the anaerobic fermentation of biomass and the gasification of solid biomass (including biomass in wastes). The biogases from anaerobic fermentation are composed principally of methane and carbon dioxide and comprise landfill gas, sewage sludge gas and other biogases from anaerobic fermentation.

Biogases can also be produced from thermal processes (by gasification or pyrolysis) of biomass and are mixtures containing hydrogen and carbon monoxide (usually known as syngas) along with other components. These gases may be further processed to modify their composition and can be further processed to produce substitute natural gas.

Biogases are used mainly as a fuel but can be used as a chemical feedstock.

Liquid biofuels

Liquid biofuels include the liquid biofuels that are blended into gasoline and gas/diesel oil and other liquid biofuels. It does not include the total volume of gasoline or diesel into which the biofuels are blended.

Biogasoline includes bioethanol (ethanol produced from biomass and/or the biodegradable fraction of waste), biomethanol (methanol produced from biomass and/or the biodegradable fraction of waste), bioETBE (ethyl-tertio-butyl-ether produced on the basis of bioethanol; the percentage by volume of bioETBE that is calculated as biofuel is 47%) and bioMTBE (methyl-tertio-butyl-ether produced on the basis of biomethanol; the percentage by volume of bioMTBE that is calculated as biofuel is 36%).

Biodiesels includes biodiesel (a methyl-ester produced from vegetable or animal oil, of diesel quality), bio-dimethylether (dimethylether produced from biomass), Fischer Tropsh (Fischer Tropsh produced from biomass), cold pressed bio-oil (oil produced from oil seed through mechanical processing only) and all other liquid biofuels which are added to, blended with or used straight as transport diesel or for electricity and heat generation.

Other liquid biofuels include liquid biofuels used directly as fuel, not reported in either biogasoline or biodiesels.

Waste and other non-specified

Municipal waste consists of products that are combusted directly to produce heat and/or power and comprises wastes produced by households, industry, hospitals and the tertiary sector that are mainly collected by local authorities for incineration at specific installations.

Industrial waste of non-renewable origin consists of solid and liquid products (e.g. tyres) combusted directly, usually in specialised plants, to produce heat and/or power. Renewable industrial waste is not included here, but with solid biofuels, biogases or liquid biofuels.

Electricity and heat

Electricity is expressed in gigawatt hours and heat is expressed in terajoules.

Electricity

Gross electricity production is measured at the terminals of all alternator sets in a station; it therefore includes the energy taken by station auxiliaries and losses in transformers that are considered integral parts of the station.

The difference between gross and net production is generally estimated as 7% for conventional thermal stations, 1% for hydro stations, and 6% for nuclear, geothermal and solar stations. Production in hydro stations includes production from pumped storage plants.

Heat

Heat production includes all heat produced by main activity producer CHP and heat plants, as well as heat sold by autoproducer CHP and heat plants to third parties.

Fuels used to produce quantities of heat for sale are included in transformation processes under the rows *CHP plants* and *heat plants*. The use of fuels for heat which is not sold is included under the sectors in which the fuel use occurs. Data on heat have become available in different years for different countries and thus any aggregated data should be used with caution.

Hydro energy

Hydro energy represents the potential and kinetic energy of water converted into electricity in hydro-electric plants.

Geothermal energy

Geothermal energy is the energy available as heat emitted from within the earth's crust, usually in the form of hot water or steam. It is exploited at suitable sites:

- for electricity generation using dry stream or high enthalpy brine after flashing
- directly as heat for district heating, agriculture, etc.

Solar energy

Solar energy is the solar radiation exploited for hot water production and electricity generation, by:

- flat plate collectors, mainly of the thermosyphon type, for domestic hot water or for the seasonal heating of swimming pools
- photovoltaic cells
- solar thermal-electric plants

Passive solar energy for the direct heating, cooling and lighting of dwellings or other buildings is not included.

Tide/wave/ocean energy

Tide, wave and ocean represent the mechanical energy derived from tidal movement, wave motion or ocean current and exploited for electricity generation.

Wind energy

Wind energy represents the kinetic energy of wind exploited for electricity generation in wind turbines.

Flows

Supply

The first block of the energy commodity balances shows the following elements of supply:

Production

+ *From other sources*

+ *Imports*

- *Exports*

- *International marine bunkers*

- *International aviation bunkers*

± *Stock changes*

= *Domestic supply*

Note, exports, bunkers and stock changes incorporate the algebraic sign directly in the number.

Production

Production refers to the quantities of fuels extracted or produced, calculated after any operation for removal of inert matter or impurities (e.g. sulphur from natural gas). For “other hydrocarbons” (shown with crude oil), production includes synthetic crude oil (including mineral oil extracted from bituminous minerals such as oil shale and tar sands, etc.). Production of secondary oil products represents the gross refinery output. Secondary coal products (including coal gases) represent the output from coke ovens, gas works, blast furnaces and other transformation processes.

From other sources

From other sources refers to both primary energy that has not been accounted for under production and secondary energy that has been accounted for in the production of another fuel. For example, under additives: benzol, alcohol and methanol produced from natural gas; under refinery feedstocks: backflows from the petrochemical industry used as refinery feedstocks; under “other hydrocarbons” (included with crude oil): liquids obtained from coal liquefaction and GTL plants; under primary coal: recovered slurries, middlings, recuperated coal dust and other low-grade coal products that cannot be classified according to type of coal from which they are obtained; under gas works gas: natural gas, refinery gas, and LPG, that are treated or mixed in gas works (i.e. gas works gas produced from sources other than coal).

The presentation of production from other sources differs in the *Oil Information* publication.

Imports and exports

Imports and exports comprise amounts having crossed the national territorial boundaries of the country whether or not customs clearance has taken place.

For coal: Imports and exports comprise the amount of fuels obtained from or supplied to other countries, whether or not there is an economic or customs union between the relevant countries. Coal in transit should not be included.

For oil and natural gas: Quantities of crude oil and oil products imported or exported under processing agreements (i.e. refining on account) are included. Quantities of oil in transit are excluded. Crude oil, NGL and natural gas are reported as coming from the country of origin; refinery feedstocks and oil products are reported as coming from the country of last consignment. Re-exports of oil imported for processing within bonded areas are shown as an export of product from the processing country to the final destination. Imported LNG which is exported to another country after regasification is considered both as an import and as an export of gas.

For electricity: Amounts are considered as imported or exported when they have crossed the national territorial boundaries of the country. If electricity is “wheeled” or transited through a country, the amount is shown as both an import and an export.

International marine bunkers

International marine bunkers covers those quantities delivered to ships of all flags that are engaged in international navigation. The international navigation may take place at sea, on inland lakes and waterways, and in coastal waters. Consumption by ships engaged in domestic navigation is excluded. The domestic/international split is determined on the basis of port of departure and port of arrival, and not by the flag or nationality of the ship. Consumption by fishing vessels and by military forces is also excluded. See definitions of *transport*, *fishing*, and *other non-specified*.

International aviation bunkers

International aviation bunkers includes deliveries of aviation fuels to aircraft for international aviation. Fuels used by airlines for their road vehicles are excluded. The domestic/international split should be determined on the basis of departure and landing locations and not by the nationality of the airline. For many countries this

incorrectly excludes fuel used by domestically owned carriers for their international departures.

Note that international marine bunkers and international aviation bunkers are subtracted out of supply in agreement with the definitions of the United Nations International Recommendations on Energy Statistics (IRES). This differs from the treatment of international aviation bunkers in the annual oil statistics published in the Oil Information publication.

Stock changes

Stock changes reflects the difference between opening stock levels on the first day of the year and closing levels on the last day of the year of stocks on national territory held by producers, importers, energy transformation industries and large consumers. Oil and gas stock changes in pipelines are not taken into account. With the exception of large users mentioned above, changes in final users' stocks are not taken into account. A stock build is shown as a negative number, and a stock draw as a positive number.

Domestic supply

Domestic supply is defined as *production + from other sources + imports - exports - international marine bunkers - international aviation bunkers ± stock changes*. Note, exports, bunkers and stock changes incorporate the algebraic sign directly in the number.

Transfers

Transfers comprises *interproduct transfers, products transferred and recycled products*.

Interproduct transfers results from reclassification of products either because their specification has changed or because they are blended into another product, e.g. kerosene may be reclassified as gasoil after blending with the latter in order to meet its winter diesel specification. The net balance of *interproduct transfers* is zero.

Products transferred is intended for oil products imported for further processing in refineries. For example, fuel oil imported for upgrading in a refinery is transferred to the feedstocks category.

Recycled products are finished products which pass a second time through the marketing network, **after** having been once delivered to final consumers (e.g. used lubricants which are reprocessed).

This aggregation differs from the presentation of the transfers categories in the *Oil Information* publication.

Statistical difference

Statistical differences are essentially the difference between supply and demand. They include the sum of the unexplained statistical differences for individual fuels, as they appear in the basic energy statistics. They also include the statistical differences that arise because of the variety of conversion factors in the coal and oil columns.

Statistical difference is defined as *deliveries to final consumption + use for transformation processes + consumption by energy industry own use + losses - domestic supply - transfers*. Statistical differences arise because the data for the individual components of supply and demand are often derived from different data sources by the national administration. Furthermore, the inclusion of changes in some large consumers' stocks in the supply part of the balance introduces distortions which also contribute to the statistical differences.

Transformation processes

Transformation processes comprise the conversion of primary forms of energy to secondary and further transformation (e.g. coking coal to coke, crude oil to oil products, and fuel oil to electricity).

Electricity plants

Electricity plants refers to plants which are designed to produce electricity only. If one or more units of the plant is a CHP unit (and the inputs and outputs cannot be distinguished on a unit basis) then the whole plant is designated as a CHP plant. Both main activity producer³ and autoproducer⁴ plants are included here. Heat from chemical processes for electricity generation is also included here.

Combined heat and power plants

Combined heat and power plants refers to plants which are designed to produce both heat and electricity (sometimes referred to as co-generation power stations). If possible, fuel inputs and electricity/heat outputs are on a unit basis rather than on a plant basis. However, if data are not available on a unit basis, the convention for defining a CHP plant noted above should be adopted. Both main activity producer and

3. Main activity producers generate electricity and/or heat for sale to third parties, as their primary activity. They may be privately or publicly owned. Note that the sale need not take place through the public grid.

4. Autoproducer undertakings generate electricity and/or heat, wholly or partly for their own use as an activity which supports their primary activity. They may be privately or publicly owned.

autoproducer plants are included here. *Note that for autoproducer CHP plants, all fuel inputs to electricity production are taken into account, while only the part of fuel inputs to heat **sold** is shown. Fuel inputs for the production of heat consumed within the autoproducer's establishment are **not** included here but are included with figures for the final consumption of fuels in the appropriate consuming sector.*

Heat plants

Heat plants refers to plants (including heat pumps and electric boilers) designed to produce heat only and who sell heat to a third party (e.g. residential, commercial or industrial consumers) under the provisions of a contract. Both main activity producer and autoproducer plants are included here. Heat pumps that are operated within the residential sector where the heat is not sold are not considered a transformation process and are not included here – the electricity consumption would appear as residential use.

Blast furnaces

Blast furnaces covers the quantities of fuels used for the production of recovered gases (e.g. blast furnace gas and oxygen steel furnace gas). The production of pig-iron from iron ore in blast furnaces uses fuels for supporting the blast furnace charge and providing heat and carbon for the reduction of the iron ore. Accounting for the calorific content of the fuels entering the process is a complex matter as transformation (into blast furnace gas) and consumption (heat of combustion) occur simultaneously. Some carbon is also retained in the pig-iron; almost all of this reappears later in the oxygen steel furnace gas (or converter gas) when the pig-iron is converted to steel. In the 1992/1993 annual questionnaires, Member Countries were asked for the first time to report in *transformation processes* the quantities of all fuels (e.g. pulverised coal injection [PCI] coal, coke oven coke, natural gas and oil) entering blast furnaces and the quantity of blast furnace gas and oxygen steel furnace gas produced. The IEA Secretariat then needed to split these inputs into the transformation and consumption components. The transformation component is shown in the row *blast furnaces* in the column appropriate for the fuel, and the consumption component is shown in the row *iron and steel*, in the column appropriate for the fuel. Originally, the IEA Secretariat assumed that there was a transformation efficiency of 100%, which meant that the energy going into the transformation process was equal to the energy coming out i.e. equivalent to the energy content of the gases produced). However, when the IEA data were used to

calculate CO₂ emissions from fuel combustion using the Intergovernmental Panel on Climate Change (IPCC) methodology, as published in the *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*,⁵ the blast furnaces were showing a carbon gain. Starting with the 1998 edition, the IEA Secretariat decided to assume a transformation efficiency such that the carbon input into the blast furnaces should equal the carbon output. This is roughly equivalent to assuming an energy transformation efficiency of 40%.

Gas works

Gas works covers the quantities of fuels used for the production of town gas. Note, this item also includes other gases blended with natural gas.

Coke/patent fuel/BKB/PB plants

Coke/patent fuel/BKB/PB plants covers the use of fuels for the manufacture of coke, coke oven gas, patent fuels, BKB and peat briquettes (PB).

Oil refineries

Oil refineries covers the transformation of hydrocarbons for the manufacture of finished oil products.

Petrochemical plants

Petrochemical plants covers backflows returned from the petrochemical industry. Note that backflows from oil products that are used for non-energy purposes (i.e. white spirit and lubricants) are not included here, but in non-energy use.

Liquefaction plants

Liquefaction plants includes diverse liquefaction processes, such as coal liquefaction plants and gas-to-liquid plants.

Other transformation

Other transformation includes the transformation of primary solid biofuels into charcoal, the transformation of natural gas for hydrogen manufacture, and other non-specified transformation.

Energy industry own use

Energy industry own use covers the amount of fuels used by the energy producing industries (e.g. for heating, lighting and operation of all equipment used in

5. The *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories* are available from the IPCC National Greenhouse Gas Inventories Programme at www.ipcc-nggip.iges.or.jp.

the extraction process, for traction and for distribution). It includes energy consumed by energy industries for heating, pumping, traction and lighting purposes [ISIC⁶ Divisions 05, 06, 19 and 35, Group 091 and Classes 0892 and 0721].

Fuel mining and extraction

Fuel mining and extraction includes both coal mining and oil and gas extraction. For hard coal and lignite mining, this represents the energy which is used directly within the coal industry. It excludes coal burned in pithead power stations (included under electricity plants in transformation processes) and free allocations to miners and their families (considered as part of household consumption and therefore included under residential). For oil and gas extraction, flared gas is not included.

Oil refineries

Energy consumed in refineries for the operation of equipment, heating and lighting.

Electricity, CHP and heat plants

Energy use in electricity, CHP and heat plants.

Pumped storage plants

Pumped storage plants (electricity consumed in hydro-electric plants).

Other energy industry own use

Other energy industry own use (including own consumption in patent fuel plants, coke ovens, gas works, blast furnaces, BKB, peat briquette and lignite coke plants, coal liquefaction plants, gas-to-liquids plants, charcoal production plants, nuclear plants as well as use in non-specified energy industries).

Losses

Losses includes losses in energy distribution, transmission and transport.

Final consumption

Final consumption is the sum of the consumption in the end-use sectors and for non-energy use. Energy used for transformation processes and for own use of the energy producing industries is excluded. Final consumption reflects for the most part deliveries to consumers (see note on *stock changes*).

Backflows from the petrochemical industry are not included in final consumption (see *from other sources* under supply and *petrochemical plants* in transformation).

Industry

Industry consumption is specified by sub-sector as listed below. Energy used for transport by industry is not included here but is reported under transport. *Non-energy use* in industry is excluded from *industry* and reported separately, and this treatment differs from the *Oil Information* publication.

Iron and steel industry

Iron and steel industry [ISIC Group 241 and Class 2431];

Chemical and petrochemical industry

Chemical and petrochemical industry [ISIC Divisions 20 and 21] excluding petrochemical feedstocks;

Non-ferrous metals

Non-ferrous metals basic industries [ISIC Group 242 and Class 2432];

Non-metallic minerals

Non-metallic minerals such as glass, ceramic, cement, etc. [ISIC Division 23];

Transport equipment

Transport equipment [ISIC Divisions 29 and 30];

Machinery

Machinery: fabricated metal products, machinery and equipment other than transport equipment [ISIC Divisions 25 to 28];

Mining and quarrying

Mining (excluding fuels) and quarrying [ISIC Divisions 07 and 08 and Group 099];

Food and tobacco

Food and tobacco [ISIC Divisions 10 to 12];

Paper, pulp and printing

Paper, pulp and printing [ISIC Divisions 17 and 18];

Wood and wood products

Wood and wood products (other than pulp and paper) [ISIC Division 16];

6. International Standard Industrial Classification of All Economic Activities, Series M, No. 4/Rev. 4, United Nations, New York, 2008.

Construction

Construction [ISIC Divisions 41 to 43];

Textile and leather

Textile and leather [ISIC Divisions 13 to 15];

Non-specified

Non-specified (any manufacturing industry not included above) [ISIC Divisions 22, 31 and 32].

Note: Most countries have difficulties supplying an industrial breakdown for all fuels. In these cases, the *non-specified* industry row has been used. Regional aggregates of industrial consumption should therefore be used with caution.

Transport

Consumption in transport covers all transport activity (in mobile engines) regardless of the economic sector to which it is contributing [ISIC Divisions 49 to 51], and is specified below. *Non-energy use* in transport is excluded from *transport* and reported separately, and this treatment differs from the *Oil Information* publication.

Domestic aviation

Domestic aviation includes deliveries of aviation fuels to aircraft for domestic aviation - commercial, private, agricultural, etc. It includes use for purposes other than flying, e.g. bench testing of engines, but not airline use of fuel for road transport. The domestic/international split should be determined on the basis of departure and landing locations and not by the nationality of the airline. Note that this may include journeys of considerable length between two airports in a country (e.g. San Francisco to Honolulu). For many countries this incorrectly includes fuel used by domestically owned carriers for outbound international traffic (see *international aviation bunkers*).

Road

Road includes fuels used in road vehicles as well as agricultural and industrial highway use. It excludes military consumption as well as motor gasoline used in stationary engines and diesel oil for use in tractors that are not for highway use.

Rail

Rail includes quantities used in rail traffic, including industrial railways, and in rail transport laid in public

roads as part of urban or suburban transport systems (trams, metro, etc.).

Pipeline transport

Pipeline transport includes energy used in the support and operation of pipelines transporting gases, liquids, slurries and other commodities, including the energy used for pump stations and maintenance of the pipeline. Energy for the pipeline distribution of natural gas or coal gases, hot water or steam (ISIC Division 35) from the distributor to final users is excluded and should be reported in *energy industry own use*, while the energy used for the final distribution of water (ISIC Division 36) to household, industrial, commercial and other users should be included in *commercial/public services*. Losses occurring during the transport between distributor and final users should be reported as *losses*.

Domestic navigation

Domestic navigation includes fuels delivered to vessels of all flags not engaged in international navigation (see *international marine bunkers*). The domestic/international split should be determined on the basis of port of departure and port of arrival and not by the flag or nationality of the ship. Note that this may include journeys of considerable length between two ports in a country (e.g. San Francisco to Honolulu). Fuel used for ocean, coastal and inland fishing and military consumption are excluded.

Non-specified

Non-specified includes all transport not elsewhere specified.

Note: *International marine bunkers* and *international aviation bunkers* are shown in *Supply* and are not included in transport as part of final consumption.

Other

Residential

Residential includes consumption by households, excluding fuels used for transport. It includes households with employed persons [ISIC Divisions 97 and 98] which is a small part of total residential consumption.

Commercial and public services

Commercial and public services [ISIC Divisions 33, 36-39, 45-47, 52, 53, 55, 56, 58-66, 68-75, 77-82, 84 (excluding Class 8422), 85-88, 90-96 and 99].

Agriculture/forestry

Agriculture/forestry includes deliveries to users classified as agriculture, hunting and forestry by the ISIC, and therefore includes energy consumed by such users whether for traction (excluding agricultural highway use), power or heating (agricultural and domestic) [ISIC Divisions 01 and 02].

Fishing

Fishing includes fuels used for inland, coastal and deep-sea fishing. Fishing covers fuels delivered to ships of all flags that have refuelled in the country (including international fishing) as well as energy used in the fishing industry [ISIC Division 03]. *Prior to the 2007 edition, fishing was included with agriculture/forestry and this may continue to be the case for some countries.*

Non-specified

Non-specified includes all fuel use not elsewhere specified as well as consumption in the above-designated categories for which separate figures have not been provided. Military fuel use for all mobile and stationary consumption is included here

(e.g. ships, aircraft, road and energy used in living quarters) regardless of whether the fuel delivered is for the military of that country or for the military of another country.

Non-energy use

Non-energy use covers those fuels that are used as raw materials in the different sectors and are not consumed as a fuel or transformed into another fuel. Non-energy use is shown separately within final consumption.

Note that for biofuels, only the amounts of biomass specifically used for energy purposes (a small part of the total) are included in the energy statistics. Therefore, the non-energy use of biomass is not taken into consideration and the quantities are null by definition.

of which: chemical/petrochemical. Fuels used for chemical feedstocks and non-energy products in the petrochemical industry, which includes cracking and reforming processes for the purpose of producing ethylene, propylene, butylene, synthesis gas, aromatics, butadiene and other hydrocarbon-based raw materials in processes such as steam cracking, aromatics plants and steam reforming [part of ISIC Group 201].

2. NOTES ON DATA QUALITY

Methodology

For OECD Member countries, the data shown in this publication are derived from information provided in the five annual OECD questionnaires¹: “Oil”, “Natural Gas”, “Solid Fossil Fuels and Manufactured Gases”, “Renewables” and “Electricity and Heat” completed by the national administrations. For the member countries of the European Union (EU), of the Economic Commission for Europe of the United Nations (UNECE) and a few others, the data shown in this publication are mostly based on information provided by the national administrations through the same annual questionnaires. The commodity balances for all other countries are based on national energy data of heterogeneous nature, converted and adapted to fit the IEA format and methodology.

Considerable effort has been made to ensure that the data presented in this publication adhere to the IEA definitions reported in the section on Methodological notes. These definitions, based on the *United Nations International Recommendations on Energy Statistics*², are used by most of the international organisations that collect energy statistics.

Nevertheless, energy statistics at the national level are often collected using criteria and definitions which differ, sometimes considerably, from those of international organisations. This is especially true for non-OECD countries, who voluntarily submit data to the IEA. The IEA secretariat has identified most of these differences and, where possible, adjusted the data to meet international definitions.

Recognised anomalies occurring in specific countries are presented in the section on Country notes and

sources. Country notes present the most important deviations from the IEA methodology, and are by no means a comprehensive list of anomalies by country.

Estimation

In addition to adjustments addressing differences in definitions, estimations³ are sometimes required to complete major aggregates, when key statistics are missing.

The IEA secretariat has attempted to provide all the elements of energy balances down to the level of final consumption, for all countries and years. Providing all the elements of supply, as well as all inputs and outputs of the main transformation activities (such as oil refining and electricity generation), has often required estimations. Estimations have been generally made after consultation with national statistical offices, oil companies, electricity utilities and national energy experts.

Time series and political changes

The IEA secretariat reviews its databases each year. In the light of new assessments, important revisions may be made to time series of individual countries during the course of this review. Therefore, some data in this publication have been substantially revised with respect to previous editions. Please always consult the section on Country notes and sources.

It is also the case that energy statistics for some countries undergo continuous changes in their coverage or

1. See link to the annual questionnaires:
www.iea.org/statistics/resources/questionnaires/annual/.
 2. <https://unstats.un.org/UNSD/energy/ires/default.htm>

3. Data may not include all informal and/or illegal trade, production or consumption of energy products, although the IEA Secretariat makes efforts to estimate these where reliable information is available.

methodology. Consequently, breaks in time series are considered to be unavoidable.

For example, energy balances for the individual countries of the Former Soviet Union and the Former Yugoslavia have been constructed since 1990 and are not available for previous years. These balances are generally based on official submissions, but estimations also have been made by the IEA secretariat. The section on Country notes and sources describes in detail these elements country by country.

Classification of fuel uses

National statistical sources often lack adequate information on the consumption of fuels in different categories of end use. Many countries do not conduct annual surveys of consumption in the main sectors of economic activity, and published data may be based on out-of-date surveys. Therefore, sectoral disaggregation of consumption should generally be interpreted with caution.

In many countries of non-OECD Europe and Eurasia and in China, the sectoral classification of fuel consumption before the reforms of the 1990's significantly differed from that of market economies. Sectoral consumption was defined according to the economic branch of the user, rather than according to the purpose or use of the fuel. For example, consumption of gasoline in the vehicle fleet of an enterprise attached to the economic branch 'Iron and steel' was classified as consumption in the 'Iron and steel' industry itself.

Where possible, data have been adjusted to fit international classifications, for example by assuming that most gasoline is consumed in transport. However, it has not been possible to reclassify products other than gasoline and jet fuel as easily, and few other adjustments have been made to other products.

Imports and exports

For a given product, imports and exports may not sum up to zero at the world level for a number of reasons. Fuels may be classified differently (i.e. fuel oil exports may be reported as refinery feedstocks by the importing country; NGL exports may be reported as LPG by the importing country, etc.). Other possible reasons include discrepancies in conversion factors, inclusion of international bunkers in exports, timing differences, data reported on a fiscal year basis instead of calendar year for certain countries, and under-reporting of imports and exports for fiscal reasons.

Specific issues by fuel

Coal

Data on sectoral coal consumption are usually reported in metric tonnes. Net calorific values of different coal types used in different end use sectors are not always available. In the absence of specific information, the IEA secretariat estimates end use net calorific values based on the available net calorific values for production, imports and exports.

Oil

The IEA secretariat collects comprehensive statistics for oil supply and use, including oil for own use of refineries, oil delivered to international bunkers, and oil used as petrochemical feedstock. National statistics often do not report all these amounts.

Reported production of refined products may refer to net rather than gross refinery output; consumption of oil products may be limited to sales to domestic markets and may not include deliveries to international shipping or aircraft. Oil consumed as petrochemical feedstock in integrated refinery/petrochemical complexes is often not included in available official statistics.

Where possible, the IEA secretariat has estimated those unreported data, in consultation with the oil industry. In the absence of any other indication, refinery fuel use is estimated to be a percentage (e.g. 5%) of refinery throughput, and where possible, split between refinery gas and fuel oil. For a description of some adjustments made to the sectoral consumption of oil products, see the above section 'Classification of fuel uses'.

Natural gas

Natural gas should be comprised mainly of methane; other gases, such as ethane and heavier hydrocarbons, should be reported under the heading of 'oil'. The IEA defines natural gas production as the marketable production, i.e. net of field losses, flaring, venting and re-injection.

However, the lack of adequate definitions makes it difficult or impossible to identify all quantities of gas at all different stages of its separation into dry gas (methane) and heavier fractions. National data for natural gas do not always explicitly show separate quantities for field losses, flaring, venting and re-injection.

Natural gas supply and demand statistics are normally reported in volumetric units and it is difficult to obtain accurate data on the calorific value. In the absence of

specific information, the IEA generally applies an average gross calorific value of 38 TJ/million m³.

Reliable consumption data for natural gas at a disaggregated level are often difficult to find. This is especially true for some of the largest natural gas consuming countries in the Middle East. Therefore, industrial use of natural gas for these countries is frequently missing from the data published here.

Electricity

The IEA classification shows “main activity producers” separately from “autoproducers” of electricity and heat. For non-OECD countries, data on autoproducers are not always reported. In such cases, the quantities of fuels used as input to electricity are included under the appropriate end-use sector.

When statistics of production of electricity from biofuels and waste are available, they are included in total electricity production. However, these data are not comprehensive; e.g. some generation from waste biomass in sugar refining may be unreported.

When unreported, inputs of fuels for electricity generation are estimated using information on electricity output, fuel efficiency and type of generation capacity.

Off-grid electricity generation may be still underreported due to measurements difficulties, especially in developing countries.

Heat

For heat, transition economies (countries of non-OECD Europe and Eurasia) and China used to adopt a different methodology from that adopted in market economies. They allocated the transformation of primary fuels (coal, oil and gas) by industry into heat *for consumption on site* to the transformation activity ‘*heat production*’, **not** to industrial consumption, as in the IEA methodology⁴. The transformation output of *Heat* was then allocated to the various end use sectors. The losses occurring in the transformation of fuels into heat in industry were not included in final consumption of industry.

Although a number of countries have switched to the practice of international organisations, this important issue reduces the possibility of cross-country comparisons for sectoral end use consumption between transition economies and market economies.

4. For autoproducer plants, the international methodology restricts the inclusion of heat in transformation processes to that sold to third parties.

Biofuels and waste

The IEA publishes data on production, domestic supply and consumption of biofuels and waste for all countries and all regions.

Data for non-OECD countries are often based on secondary sources and may be of variable quality, which makes comparisons between countries difficult. For many countries, historical data are derived from surveys which were often irregular, irreconcilable and conducted at a local rather than national level.

Where historical series were incomplete or unavailable, they were estimated using a methodology consistent with the projection framework of the IEA’s 1998 edition of *World Energy Outlook* (September 1998). First, nation-wide domestic supply per capita of biofuels and wastes was compiled or estimated for 1995. Then, per capita supply for the years 1971 to 1994 was estimated using a log/log equation with either GDP per capita or percentage of urban population as exogenous variables, depending on the region. Finally, supply of total biofuels and waste after 1996 was estimated assuming a growth rate either constant, equal to the population growth rate, or based on the 1971-1994 trend.

Those estimated time series should be treated very cautiously. The chart below provides a broad indication of the estimation methodology and of the data quality by region.

Region	Main source of data	Data quality	Exogenous variables
Africa	FAO database and AfDB	low	population growth rate
Non-OECD Americas	national and OLADE	high	none
Asia	surveys	high to low	population growth rate
Non-OECD Europe and Eurasia	questionnaires and FAO	high to medium	none
Middle East	FAO	medium to low	none

Given the importance of vegetal fuels in the energy picture of many developing countries, balances down to final consumption by end-use for individual products or product categories have been compiled for all countries.

The IEA hopes that the inclusion of these data will encourage national administrations and other agencies active in the field to enhance the level and quality of data collection and coverage for biofuels and waste. More details on the methodology used by each country may be provided on request and comments are welcome.

3. GEOGRAPHICAL COVERAGE

In this publication:

World includes OECD Total; Africa; Non-OECD Americas; Non-OECD Asia (excluding China); China (People's Republic of China and Hong Kong, China); Non-OECD Europe and Eurasia; Middle East; World aviation bunkers and World marine bunkers. It is also the sum of Africa, Americas, Asia, Europe, Oceania, World aviation bunkers and World marine bunkers.

Africa includes Algeria; Angola; Benin; Botswana; Burkina Faso; Burundi; Cabo Verde; Cameroon; Central African Republic; Chad; Comoros; the Republic of the Congo (Congo); Côte d'Ivoire; the Democratic Republic of the Congo; Djibouti; Egypt; Equatorial Guinea; Eritrea; Ethiopia; Gabon; Gambia; Ghana; Guinea; Guinea-Bissau; Kenya; Lesotho; Liberia; Libya; Madagascar; Malawi; Mali; Mauritania; Mauritius; Morocco; Mozambique; Namibia; Niger; Nigeria; Réunion; Rwanda; Sao Tome and Principe; Senegal; the Seychelles; Sierra Leone; Somalia; South Africa; South Sudan (from 2012); Sudan; Swaziland; the United Republic of Tanzania (Tanzania); Togo; Tunisia; Uganda; Zambia; Zimbabwe.

Americas includes Antigua and Barbuda; Argentina; Aruba; the Bahamas; Barbados; Belize; Bermuda; the Plurinational State of Bolivia (Bolivia); Bonaire (from 2012); the British Virgin Islands; Brazil; Canada; the Cayman Islands; Chile; Colombia; Costa Rica; Cuba; Curaçao¹; Dominica; the Dominican Republic; Ecuador; El Salvador; the Falkland Islands (Malvinas);

1. The Netherlands Antilles was dissolved on 10 October 2010 resulting in two new "constituent countries" (Curaçao and Sint Maarten) with the other islands joining The Netherlands as "special municipalities". However, due to lack of detailed data the IEA Secretariat's data and estimates under the "Netherlands Antilles" still refer to the whole territory of the Netherlands Antilles as it was known prior to 10 October 2010 up to the end of 2011. Data refer only to the island of Curaçao from 2012. The other islands of the former Netherlands Antilles are added to Other non-OECD Americas from 2012.

Guatemala; the French Guiana; Grenada; Guadeloupe; Guyana; Haiti; Honduras; Jamaica; Martinique; Mexico; Montserrat; Nicaragua; Panama; Paraguay; Peru; Puerto Rico (for natural gas and electricity)²; Saba (from 2012); Saint Kitts and Nevis; Saint Lucia; Saint Pierre and Miquelon; Saint Vincent and the Grenadines; Sint Eustatius (from 2012); Sint Maarten (from 2012); Suriname; Trinidad and Tobago; the Turks and Caicos Islands; the United States; Uruguay; the Bolivarian Republic of Venezuela (Venezuela).

Asia (from 1990) includes Afghanistan; Armenia; Azerbaijan; Bahrain; Bangladesh; Bhutan; Brunei Darussalam; Cambodia; the People's Republic of China; Cyprus³; Georgia; Hong Kong, China; India; Indonesia; the Islamic Republic of Iran; Iraq; Israel⁴; Japan; Jordan; the Democratic People's Republic of Korea; Korea; Kazakhstan; Kuwait; Kyrgyzstan; Lao People's Democratic Republic; Lebanon; Macau, China; Malaysia; the Maldives; Mongolia; Myanmar; Nepal; Oman; Pakistan; the Philippines; Qatar; Saudi Arabia; Singapore; Sri Lanka; the Syrian Arab Republic; Tajikistan; Chinese Taipei; Thailand; Timor-Leste;

2. Oil statistics as well as coal trade statistics for Puerto Rico are included under the United States.

3. Note by Turkey:

The information in this document with reference to "Cyprus" relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognises the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is found within the context of the United Nations, Turkey shall preserve its position concerning the "Cyprus issue".

Note by all the European Union member states of the OECD and the European Union:

The Republic of Cyprus is recognised by all members of the United Nations with the exception of Turkey. The information in this document relates to the area under the effective control of the Government of the Republic of Cyprus.

4. The statistical data for Israel are supplied by and under the responsibility of the relevant Israeli authorities. The use of such data by the OECD is without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.

Turkey; Turkmenistan; the United Arab Emirates; Uzbekistan; Viet Nam; and Yemen.

Europe (from 1990) includes Albania; Austria; Belarus; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; the Czech Republic; Denmark; Estonia; Finland; the Former Yugoslav Republic of Macedonia; France; Germany; Gibraltar; Greece; Hungary; Iceland; Ireland; Italy; Kosovo⁵; Latvia; Lithuania; Luxembourg; Malta; the Republic of Moldova (Moldova); Montenegro; the Netherlands; Norway; Poland; Portugal; Romania; the Russian Federation; Serbia⁶; the Slovak Republic; Slovenia; Spain; Sweden; Switzerland; Ukraine; the United Kingdom.

Oceania includes Australia; New Zealand; Cook Islands; Fiji; French Polynesia; Kiribati; New Caledonia; Palau; Papua New Guinea; Samoa; the Solomon Islands; Tonga; Vanuatu.

The **International Energy Agency (IEA)** includes Australia; Austria; Belgium; Canada; the Czech Republic; Denmark; Estonia⁷; Finland; France; Germany; Greece; Hungary; Ireland; Italy; Japan; Korea; Luxembourg; Mexico; the Netherlands; New Zealand; Norway; Poland; Portugal; the Slovak Republic; Spain; Sweden; Switzerland; Turkey; the United Kingdom; the United States.

The **IEA and Accession/Association countries** includes: IEA member countries: Australia; Austria; Belgium; Canada; the Czech Republic; Denmark; Estonia⁷; Finland; France; Germany; Greece; Hungary; Ireland; Italy; Japan; Korea; Luxembourg; Mexico; the Netherlands; New Zealand; Norway; Poland; Portugal; the Slovak Republic; Spain; Sweden; Switzerland; Turkey; the United Kingdom and the United States; Accession country: Chile; Association countries: Brazil; the People's Republic of China; India; Indonesia; Morocco; Singapore; Thailand.

The **Organisation for Economic Co-Operation and Development (OECD)** includes Australia; Austria; Belgium; Canada; Chile; the Czech Republic; Denmark; Estonia; Finland; France; Germany;

Greece; Hungary; Iceland; Ireland; Israel; Italy; Japan; Korea; Latvia⁸; Luxembourg; Mexico; the Netherlands; New Zealand; Norway; Poland; Portugal; the Slovak Republic; Slovenia; Spain; Sweden; Switzerland; Turkey; the United Kingdom; the United States.

Lithuania was not an OECD Member at the time of preparation of this publication. Accordingly, Lithuania does not appear in the list of OECD Members and is not included in the zone aggregates.

OECD Americas includes Canada; Chile; Mexico; the United States.

OECD Asia Oceania includes Australia; Israel; Japan; Korea; New Zealand.

OECD Europe includes Austria; Belgium; the Czech Republic; Denmark; Estonia; Finland; France; Germany; Greece; Hungary; Iceland; Ireland; Italy; Latvia⁸; Luxembourg; the Netherlands; Norway; Poland; Portugal; the Slovak Republic; Slovenia; Spain; Sweden; Switzerland; Turkey; the United Kingdom.

Estonia, Latvia and Slovenia are included starting in 1990. Prior to 1990, Estonia and Latvia are included in Former Soviet Union and Slovenia is included in Former Yugoslavia.

Within the **OECD**:

- **Australia** excludes the overseas territories;
- **Denmark** excludes Greenland and the Faroe Islands, except prior to 1990, where data on oil for Greenland were included with the Danish statistics. The administration is planning to revise the series back to 1974 to exclude these amounts;
- **France** includes Monaco and excludes the following overseas departments: Guadeloupe; French Guiana; Martinique; Mayotte; and Réunion; and collectivities: New Caledonia; French Polynesia; Saint Barthélemy; Saint Martin; Saint Pierre and Miquelon; and Wallis and Futuna;
- **Germany** includes the new federal states of Germany from 1970 onwards;
- The statistical data for **Israel** are supplied by and under the responsibility of the relevant Israeli authorities. The use of such data by the OECD is

5. This designation is without prejudice to positions on status, and is in line with United Nations Security Council Resolution 1244/99 and the Advisory Opinion of the International Court of Justice on Kosovo's declaration of independence.

6. Serbia includes Montenegro until 2004 and Kosovo until 1999.

7. Estonia is included starting in 1990. Prior to 1990, data for Estonia are included in Former Soviet Union.

8. Latvia is included starting in 1990. Prior to 1990, data for Latvia are included in Former Soviet Union.

without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.

- **Italy** includes San Marino and the Holy See;
- **Japan** includes Okinawa;
- **Netherlands** excludes Suriname, Aruba and the other former Netherlands Antilles (Bonaire, Curaçao, Saba, Saint Eustatius and Sint Maarten);
- **Portugal** includes the Azores and Madeira;
- **Spain** includes the Canary Islands;
- **Switzerland** includes Liechtenstein for oil data; data for other fuels do not include Liechtenstein;
- Shipments of coal and oil to the Channel Islands and the Isle of Man from the **United Kingdom** are not classed as exports. Supplies of coal and oil to these islands are, therefore, included as part of UK supply. Exports of natural gas to the Isle of Man are included with the exports to Ireland;
- **United States** includes the 50 states and the District of Columbia but generally excludes all territories, and all trade between the U.S. and its territories. Oil statistics include Guam, Puerto Rico⁹ and the United States Virgin Islands; trade statistics for coal include international trade to and from Puerto Rico and the United States Virgin Islands.

Non-OECD Europe and Eurasia includes Albania; Armenia; Azerbaijan; Belarus; Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus³; the Former Yugoslav Republic of Macedonia; Georgia; Gibraltar; Kazakhstan; Kosovo⁵; Kyrgyzstan; Lithuania¹⁰; Malta; the Republic of Moldova (Moldova); Montenegro; Romania; the Russian Federation; Serbia⁶; Tajikistan; Turkmenistan; Ukraine; Uzbekistan; the Former Soviet Union; the Former Yugoslavia.

Non-OECD Asia excluding China includes Bangladesh; Brunei Darussalam; Cambodia (from 1995); India; Indonesia; the Democratic People's Republic of Korea; Malaysia; Mongolia (from 1985); Myanmar; Nepal; Pakistan; the Philippines; Singapore; Sri Lanka; Chinese Taipei; Thailand; Viet Nam; **Other non-OECD Asia**.

China includes the (People's Republic of) China; Hong Kong, China.

Non-OECD Americas includes Argentina; the Plurinational State of Bolivia (Bolivia); Brazil; Colombia; Costa Rica; Cuba; Curaçao¹; the Dominican Republic; Ecuador; El Salvador; Guatemala; Haiti; Honduras; Jamaica; Nicaragua; Panama; Paraguay; Peru; Suriname (from 2000), Trinidad and Tobago; Uruguay; the Bolivarian Republic of Venezuela (Venezuela); **Other non-OECD Americas**.

Middle East includes Bahrain; the Islamic Republic of Iran; Iraq; Jordan; Kuwait; Lebanon; Oman; Qatar; Saudi Arabia; the Syrian Arab Republic; the United Arab Emirates; Yemen.

Other Africa includes Botswana (until 1980); Burkina Faso; Burundi; Cabo Verde; Central African Republic; Chad; Comoros; Djibouti; Equatorial Guinea; Gambia; Guinea; Guinea-Bissau; Lesotho; Liberia; Madagascar; Malawi; Mali; Mauritania; Namibia (until 1990); Niger (until 1999); Réunion; Rwanda; Sao Tome and Principe; the Seychelles; Sierra Leone; Somalia; Swaziland; Uganda.

Other non-OECD Americas includes Anguilla; Antigua and Barbuda; Aruba; the Bahamas; Barbados; Belize; Bermuda; Bonaire (from 2012); the British Virgin Islands; the Cayman Islands; Dominica; the Falkland Islands (Malvinas); the French Guiana; Grenada; Guadeloupe; Guyana; Martinique; Montserrat; Puerto Rico (for natural gas and electricity)⁹; Saba (from 2012); Saint Eustatius (from 2012); Saint Kitts and Nevis; Saint Lucia; Saint Pierre and Miquelon; Saint Vincent and the Grenadines; Sint Maarten (from 2012); Suriname (until 1999); the Turks and Caicos Islands.

Other non-OECD Asia includes Afghanistan; Bhutan; Cambodia (until 1994); Cook Islands; Fiji; French Polynesia; Kiribati; Lao People's Democratic Republic; Macau, China; the Maldives; Mongolia (until 1984); New Caledonia; Palau (from 1994); Papua New Guinea; Samoa; the Solomon Islands; Timor-Leste; Tonga; Vanuatu.

The **European Union - 28 (EU-28)** (from 1990) includes Austria; Belgium; Bulgaria; Croatia; Cyprus³; the Czech Republic; Denmark; Estonia; Finland; France; Germany; Greece; Hungary; Ireland; Italy; Latvia; Lithuania; Luxembourg; Malta; the Netherlands; Poland; Portugal; Romania; the Slovak Republic; Slovenia; Spain; Sweden; the United Kingdom.

9. Natural gas and electricity data for Puerto Rico are included under Other non-OECD Americas.

10. Lithuania was not an OECD Member at the time of preparation of this publication. Accordingly, Lithuania does not appear in the list of OECD Members and is still included in the non-OECD aggregates.

Please note that in the interest of having comparable data, all these countries are included since 1990 despite different entry dates into the European Union.

G7 includes Canada; France; Germany; Italy; Japan; United Kingdom; the United States.

G8 includes Canada; France; Germany; Italy; Japan; the Russian Federation; the United Kingdom; the United States.

G20 includes Argentina; Australia; Brazil; Canada; China (including Hong Kong, China); India; Indonesia; Japan; Korea; Mexico; the Russian Federation; Saudi Arabia; South Africa; Turkey; the United States; the European Union – 28.

The **Organisation of the Petroleum Exporting Countries (OPEC)** includes Algeria; Angola; Ecuador; Gabon; the Islamic Republic of Iran; Iraq; Kuwait; Libya; Nigeria; Qatar; Saudi Arabia; the United Arab Emirates; the Bolivarian Republic of Venezuela (Venezuela).¹¹

Please note that the following countries have not been considered:

- **Non-OECD Europe and Eurasia:** Andorra; Faroe Islands (after 1990); Liechtenstein¹² (except for oil data); the Palestinian Authority; Svalbard; Jan Mayen Islands;
- **Africa:** British Indian Ocean Territory; French Southern and Antarctic Lands; Mayotte; Saint Helena; Western Sahara;
- **Non-OECD Americas:** Bouvet Island; Saint Barthélemy; Greenland (after 1990); Saint Martin (French Part); South Georgia and the South Sandwich Islands;
- Antarctica;
- **Non-OECD Asia excluding China:** American Samoa; Cocos (Keeling) Islands; Christmas Island; Heard Island and McDonald Islands; Marshall Islands; Micronesia (Federated States of); Nauru; Niue; Norfolk Island; Northern Mariana Islands; Pitcairn; Tokelau; Tuvalu; United States Minor Outlying Islands; Wallis and Futuna Islands.

11. Data for Gabon, that re-joined OPEC in July 2016, are included in the OPEC aggregate starting with the 2017 edition Data for Equatorial Guinea, that joined OPEC in May 2017, and for Congo, that joined OPEC in June 2018, are not included in the OPEC aggregate in this edition.

12. Oil data for Liechtenstein are included under Switzerland.

PART II

STATISTICAL TABLES BY REGION AND COUNTRY

WORLD AND REGIONAL TOTALS

World

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	1040059	4530916	708148	820695	686890	25280	414823	3169824	6184749	25989	141067617
From other sources	-	224376	-	-	412	-	1404	5056	207	-	261649
Imports	278739	929121	105280	5155	25423	1129	-	-	-	236	42590150
Exports	-313296	-753428	-250254	-9964	-29242	-1565	-	-	-	-269	-43381161
Stock changes	-860	177810	15775	-2372	15906	-12	-	-	-	6627	909470
DOMESTIC SUPPLY	1004642	5108795	578949	813514	699389	24832	416227	3174880	6184956	32583	141447725
Transfers	-	-	-	-	-1695	-	-	-	-	-	-
Statistical differences	-658	80017	9971	1236	-1898	364	-1979	-16341	-205544	3	-523761
TRANSFORMATION	973883	3692000	551178	781058	494958	2305	172570	815217	1908992	29499	59274887
Electricity plants	47761	2453258	546460	537874	54	651	2600	518699	1252870	16507	40387864
CHP plants	538	1091773	3781	209665	15	1572	19308	174313	369135	5381	14633848
Heat plants	111	21495	6	7731	5	82	3	122205	286987	1625	2870423
Blast furnaces	25004	24842	-	1	493551	-	-	-	-	-	516
Gas works	177	29154	-	6809	150	-	-	-	-	664	9603
Coke/pat.fuel/BKB/PB plants	900100	49961	931	18978	623	-	-	-	-	968	1238
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	192	21516	-	-	-	-	-	-	-	4354	766233
Other transformation	-	1	-	-	560	-	150659	-	-	-	605162
ENERGY IND. OWN USE	1209	91952	55	2169	3134	896	8690	678471	395159	163	13777857
Fuel mining and extraction	240	34666	55	955	771	114	275	9495	848	32	8883152
Oil refineries	-	36	-	-	-	-	-	857	-	-	2781134
Elec., CHP and heat plants	25	11676	-	491	375	6	-	325	713	24	238037
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	944	45574	-	723	1988	776	8415	667794	393598	107	1875534
Losses	7	5906	-	100	85	-	109	6071	82490	90	870222
FINAL CONSUMPTION	28885	1398954	37687	31423	197619	21995	232879	1658780	3592771	2834	67000999
INDUSTRY	27781	1058733	35982	18581	166158	12238	179205	1597625	3591878	1087	25017261
Iron and steel	10302	193953	904	236	113880	2774	14861	1355098	3580265	1	2415637
Chemical and petrochemical	1657	184554	1457	2247	20450	4464	52601	99098	6042	9	5612417
Non-ferrous metals	4152	26036	1829	1560	6335	77	64637	17422	2557	-	775273
Non-metallic minerals	844	386225	16253	3502	11037	3176	19756	74002	3013	401	2429189
Transport equipment	4	2899	-	32	1382	11	254	2442	-	-	585679
Machinery	124	10872	1	125	8517	48	10605	6343	1	2	1196693
Mining and quarrying	124	11104	362	132	1945	235	3463	6249	-	3	371171
Food and tobacco	55	49231	4834	2268	1689	387	3348	429	-	4	2229170
Paper, pulp and print	20	25306	5243	816	18	476	1975	5	-	655	1122972
Wood and wood products	1	3595	26	26	26	8	2	78	-	6	139471
Construction	10	8179	2	189	73	9	-	-	-	2	385834
Textile and leather	8	20217	18	3337	36	222	82	6424	-	-	336336
Non-specified	10480	136562	5053	4111	770	351	7621	30035	-	4	7417419
TRANSPORT	-	47	-	45	32	-	-	-	-	1	4739739
World aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1952669
Rail	-	40	-	45	28	-	-	-	-	1	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	2776851
World marine bunkers	-	-	-	-	-	-	-	-	-	-	2244
Domestic navigation	-	-	-	-	-	-	-	-	-	-	4507
Non-specified	-	7	-	-	4	-	-	-	-	-	3468
OTHER	166	274613	1705	12684	1667	9142	53674	28665	-	1539	29392468
Residential	-	121845	247	7965	475	8616	46216	26315	-	1140	20061369
Comm. and public services	155	62882	475	2439	640	369	7458	2350	-	158	8719987
Agriculture/forestry	-	30227	56	198	542	34	-	-	-	241	449479
Fishing	-	3	-	-	-	-	-	-	-	-	2617
Non-specified	11	59656	927	2082	10	123	-	-	-	-	159016
NON-ENERGY USE	938	65561	-	113	29762	615	-	32490	893	207	7851531
in industry/transf./energy	850	65513	-	113	29499	615	-	32490	893	207	7851531
of which: chem./petrochem.	-	2769	-	-	1944	-	-	71	748	-	7797645
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	88	48	-	-	263	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. The peat column also includes the quantities of oil shale for Estonia and Israel.

World

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ³	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	3966044	404333	-	3853	129623	120756	997346	300139	59399	1328678
From other sources	24137	-	36783	3002	-	-	-	-	-	-
Imports	2241868	20379	67451	9392	-	110614	223766	83912	6538	388113
Exports	-2214484	-67037	-21520	-3546	-	-123632	-223076	-89244	-15735	-406125
Stock changes	-18959	3482	353	-51	-62	-109	-3855	-1953	-1868	-902
DOMESTIC SUPPLY	3998606	361157	83067	12650	129561	107629	994181	292854	48334	1309764
Transfers	-20686	-246164	53813	-5439	10127	215811	28007	2221	-8202	8981
Statistical differences	16173	-2317	813	-17	990	3014	-1267	-1448	-1062	8492
TRANSFORMATION	3968359	105055	137693	7194	11779	5908	126	11	498	70476
Electricity plants	39804	1	-	-	4206	625	44	11	257	68584
CHP plants	12	-	-	-	3637	156	-	-	-	939
Heat plants	826	-	-	-	3300	84	-	-	2	543
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	3927045	103852	137693	7194	-	-	-	-	-	-
Petrochemical plants	672	1202	-	-	486	3572	82	-	239	407
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	150	1471	-	-	-	3
ENERGY IND. OWN USE	9365	1712	-	-	113067	6448	1040	46	85	22266
Fuel mining and extraction	8253	1712	-	-	5353	769	988	-	44	19847
Oil refineries	1051	-	-	-	107689	5180	48	46	15	1565
Elec., CHP and heat plants	61	-	-	-	1	256	2	-	17	804
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	24	243	2	-	9	50
Losses	8602	17	-	-	135	37	83	9	-	53
FINAL CONSUMPTION	8200	5892	-	-	15697	314061	1019672	293561	38487	1234442
INDUSTRY	6584	8	-	-	13628	21359	2141	67	3450	106165
Iron and steel	-	-	-	-	-	1262	-	-	111	2207
Chemical and petrochemical	35	8	-	-	13468	7810	136	-	198	5032
Non-ferrous metals	-	-	-	-	-	319	3	-	56	856
Non-metallic minerals	1	-	-	-	-	1974	4	-	117	6386
Transport equipment	-	-	-	-	-	299	5	1	109	1294
Machinery	-	-	-	-	-	1097	26	6	258	3367
Mining and quarrying	-	-	-	-	-	393	292	14	38	18364
Food and tobacco	7	-	-	-	-	1329	26	-	272	5819
Paper, pulp and print	7	-	-	-	-	320	1	-	36	1216
Wood and wood products	-	-	-	-	-	85	11	-	25	1904
Construction	-	-	-	-	-	1728	169	-	304	25125
Textile and leather	11	-	-	-	-	190	1	-	62	1688
Non-specified	6523	-	-	-	160	4553	1467	46	1864	32907
TRANSPORT	11	-	-	-	-	21889	1005881	290635	195	924097
World aviation bunkers	-	-	-	-	-	-	-	177533	5	2
Domestic aviation	-	-	-	-	-	-	26	112993	2	13
Road	-	-	-	-	-	21208	1000598	-	10	823396
Rail	-	-	-	-	-	2	65	-	-	27887
Pipeline transport	6	-	-	-	-	2	49	-	50	209
World marine bunkers	-	-	-	-	-	-	6	44	98	36630
Domestic navigation	-	-	-	-	-	-	4922	-	2	32344
Non-specified	5	-	-	-	-	677	215	65	28	3616
OTHER	18	-	-	-	-	142114	11486	2854	33622	197434
Residential	-	-	-	-	-	118642	306	-	26334	44933
Comm. and public services	-	-	-	-	-	18487	2176	1625	5513	50282
Agriculture/forestry	8	-	-	-	-	2214	7677	-	825	89961
Fishing	-	-	-	-	-	11	34	-	4	5103
Non-specified	10	-	-	-	-	2760	1293	1229	946	7155
NON-ENERGY USE	1587	5884	-	-	2069	128699	164	5	1220	6746
in industry/transf./energy	1587	5884	-	-	2069	128699	164	5	1209	6746
of which: chem./petrochem.	1542	5882	-	-	2069	127516	164	5	1034	6746
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	11	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

World

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁶ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	442117	270859	127231	291049	49010564	109878	1312646	2437048	25081588	14389920
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	249797	121546	49843	69148	373126	16479	-	30993	722293	244
Exports	-287160	-109740	-55576	-79124	-232931	-15716	-	-2627	-723946	-213
Stock changes	2207	-841	400	537	1202	106	-	-757	-	-
DOMESTIC SUPPLY	406961	281824	121898	281610	49151961	110747	1312646	2464657	25079935	14389951
Transfers	-17977	7927	2666	-24225	-	-	-	-	-	-
Statistical differences	4297	-2405	-1669	4614	24242	25	291	-3500	-13220	-14632
TRANSFORMATION	107916	29036	15176	7856	10853616	2097	807972	1921828	5401	58668
Electricity plants	94863	320	9225	2252	3543510	1498	454376	1012570	-	30098
CHP plants	7361	1116	1317	3643	1520260	521	331609	667822	-	-
Heat plants	5091	-	1794	227	299511	78	10684	236593	5401	-
Blast furnaces	48	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	2839	95	61	-	-	4843	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	550	27304	-	1086	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	3	296	1	553	5490274	-	11303	-	-	28570
ENERGY IND. OWN USE	16074	247	24227	14127	515333	195	26879	12915	2224758	1528151
Fuel mining and extraction	560	-	2018	207	27	138	-	2	392997	241132
Oil refineries	14745	247	22153	13602	109	41	16	6014	277122	881868
Elec., CHP and heat plants	247	-	56	9	1107	-	145	1672	1309926	308894
Pumped storage plants	-	-	-	-	-	-	-	-	146915	-
Other energy ind. own use	522	-	-	309	514090	16	26718	5227	97798	96257
Losses	22	-	115	4	483	1	1709	-	1973073	932111
FINAL CONSUMPTION	269269	258063	83377	240012	37806771	108479	476377	526414	20863483	11856389
INDUSTRY	60269	8573	60518	32548	7688097	981	50688	403630	8684057	5676114
Iron and steel	1971	-	1078	68	3632	9	92	20286	1114294	573606
Chemical and petrochemical	5644	8347	1353	13084	21887	58	3715	62804	1244145	2393362
Non-ferrous metals	2462	-	1302	317	1971	1	26	1882	1072992	174153
Non-metallic minerals	5838	-	26555	824	173784	33	1290	194766	608662	118473
Transport equipment	203	-	3	28	900	5	33	40	291466	160703
Machinery	812	-	219	151	7174	16	442	265	919568	404692
Mining and quarrying	1959	-	515	67	3530	67	403	932	321080	89816
Food and tobacco	2413	-	98	59	1315709	18	8243	5219	519322	469687
Paper, pulp and print	2250	-	103	54	2451012	523	7157	51896	451309	509750
Wood and wood products	115	-	1	-	350592	13	63	18943	105718	97746
Construction	930	-	-	1007	5752	208	45	1218	190573	38167
Textile and leather	1090	-	-	22	5508	-	194	2858	349616	404247
Non-specified	34582	226	29292	16866	3346646	30	28985	42521	1495312	241712
TRANSPORT	197503	-	-	518	8	106107	5994	-	357414	-
World aviation bunkers	-	-	-	164	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	22	-	-	27	-	105703	5973	-	50893	-
Rail	49	-	-	113	8	311	-	-	244944	-
Pipeline transport	10	-	-	37	-	-	-	-	32010	-
World marine bunkers	180370	-	-	172	-	-	-	-	-	-
Domestic navigation	12179	-	-	2	-	86	-	-	-	-
Non-specified	4873	-	-	3	-	7	21	-	29567	-
OTHER	8772	-	197	1064	30118666	1391	419695	122784	11822012	6180275
Residential	273	-	35	15	28724660	605	317813	-	5680554	4153190
Comm. and public services	3612	-	162	232	901528	462	82680	84952	4599877	1548681
Agriculture/forestry	849	-	-	13	376753	294	19078	2610	613989	134400
Fishing	436	-	-	11	28	15	-	-	6410	2217
Non-specified	3602	-	-	793	115697	15	124	35222	921182	341787
NON-ENERGY USE	2725	249490	22662	205882	-	-	-	-	-	-
in industry/transf./energy	2725	249490	22635	162066	-	-	-	-	-	-
of which: chem./petrochem.	2722	249331	749	26813	-	-	-	-	-	-
in transport	-	-	-	9954	-	-	-	-	-	-
in other	-	-	27	33858	-	-	-	-	-	-

6. Includes both primary and secondary solid biofuels.

Africa

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	8056	257682	-	247	2495	1	67676	22268	25014	4	7888878
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	787	10591	-	-	449	-	-	-	-	-	1063965
Exports	-4902	-74967	-	-	-287	-	-	-	-	-	-3581119
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	4452	-	-	-78	-	-	-	-	-	-
DOMESTIC SUPPLY	3941	197758	-	247	2579	1	67676	22268	25014	4	5371724
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	1695	-	-10	-	-1	-	-	-	-	-220438
TRANSFORMATION	3941	153389	-	237	2349	-	-	-	-	-	2855738
Electricity plants	-	134545	-	233	-	-	-	-	-	-	2726988
CHP plants	-	-	-	-	-	-	-	-	-	-	1692
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	2349	-	-	-	-	-	-
Gas works	10	8381	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	3931	-	-	4	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	10463	-	-	-	-	-	-	-	-	127058
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	21091	-	-	29	-	-	-	-	-	617776
Fuel mining and extraction	-	17	-	-	-	-	-	-	-	-	342193
Oil refineries	-	-	-	-	-	-	-	-	-	-	34392
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	21074	-	-	29	-	-	-	-	-	241191
Losses	-	-	-	-	-	-	-	-	-	-	23781
FINAL CONSUMPTION	-	24973	-	-	201	-	67676	22268	25014	4	1653991
INDUSTRY	-	14468	-	-	201	-	66240	22268	25014	-	669480
Iron and steel	-	2451	-	-	164	-	13887	22268	25014	-	26553
Chemical and petrochemical	-	2	-	-	-	-	37360	-	-	-	68666
Non-ferrous metals	-	1818	-	-	-	-	-	-	-	-	2635
Non-metallic minerals	-	3465	-	-	-	-	4973	-	-	-	120552
Transport equipment	-	1	-	-	-	-	-	-	-	-	640
Machinery	-	2	-	-	-	-	1471	-	-	-	1106
Mining and quarrying	-	300	-	-	-	-	1833	-	-	-	1410
Food and tobacco	-	123	-	-	-	-	883	-	-	-	42782
Paper, pulp and print	-	17	-	-	-	-	1973	-	-	-	4779
Wood and wood products	-	31	-	-	-	-	-	-	-	-	60
Construction	-	-	-	-	-	-	-	-	-	-	50051
Textile and leather	-	3	-	-	-	-	-	-	-	-	3982
Non-specified	-	6255	-	-	37	-	3860	-	-	-	346264
TRANSPORT	-	5	-	-	-	-	-	-	-	-	58483
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	15550
Rail	-	5	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	42933
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	8135	-	-	-	-	1436	-	-	4	454212
Residential	-	4969	-	-	-	-	56	-	-	4	404827
Comm. and public services	-	2466	-	-	-	-	1380	-	-	-	7244
Agriculture/forestry	-	500	-	-	-	-	-	-	-	-	2869
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	200	-	-	-	-	-	-	-	-	39272
NON-ENERGY USE	-	2365	-	-	-	-	-	-	-	-	471816
in industry/transf./energy	-	2365	-	-	-	-	-	-	-	-	471816
of which: chem./petrochem.	-	2365	-	-	-	-	-	-	-	-	471816
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Africa

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	343276	24337	-	-	1846	2474	18500	7807	1489	31917
From other sources	5408	-	-	-	-	-	-	-	-	-
Imports	35992	-	34	-	-	6658	34507	5327	1576	50905
Exports	-280427	-8486	-	-	-	-8221	-1586	-3648	-110	-3107
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-2465
Intl. aviation bunkers	-	-	-	-	-	-	-	-7133	-	-
Stock changes	962	95	48	-	-	34	-734	-53	19	92
DOMESTIC SUPPLY	105211	15946	82	-	1846	945	50687	2300	2974	77342
Transfers	-5339	-11633	461	-	-	11174	2366	90	49	2831
Statistical differences	3276	-24	-	-	-	103	-1949	-1	-49	-168
TRANSFORMATION	101821	4267	543	-	-	-	3	2	1	6597
Electricity plants	1587	-	-	-	-	-	3	2	1	6597
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	100234	4267	543	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	576	5	-	-	1762	35	-	-	-	674
Fuel mining and extraction	93	5	-	-	-	-	-	-	-	634
Oil refineries	483	-	-	-	1762	20	-	-	-	27
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	13
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	15	-	-	-	-
Losses	745	17	-	-	84	8	18	3	-	12
FINAL CONSUMPTION	6	-	-	-	-	12179	51083	2384	2973	72722
INDUSTRY	-	-	-	-	-	408	184	-	146	9526
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	24	1	-	-	6
Non-ferrous metals	-	-	-	-	-	26	2	-	-	3
Non-metallic minerals	-	-	-	-	-	45	1	-	-	31
Transport equipment	-	-	-	-	-	1	-	-	-	3
Machinery	-	-	-	-	-	1	1	-	-	1
Mining and quarrying	-	-	-	-	-	6	9	-	9	2108
Food and tobacco	-	-	-	-	-	14	2	-	-	127
Paper, pulp and print	-	-	-	-	-	-	1	-	-	1
Wood and wood products	-	-	-	-	-	-	-	-	-	1
Construction	-	-	-	-	-	17	7	-	7	870
Textile and leather	-	-	-	-	-	6	-	-	-	16
Non-specified	-	-	-	-	-	268	160	-	130	6359
TRANSPORT	6	-	-	-	-	371	50517	2384	15	56136
Domestic aviation	-	-	-	-	-	-	-	2384	-	-
Road	-	-	-	-	-	367	50432	-	2	55127
Rail	-	-	-	-	-	-	37	-	-	561
Pipeline transport	6	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	48	-	-	448
Non-specified	-	-	-	-	-	4	-	-	13	-
OTHER	-	-	-	-	-	11400	382	-	2803	7060
Residential	-	-	-	-	-	10558	2	-	2232	320
Comm. and public services	-	-	-	-	-	447	78	-	107	1110
Agriculture/forestry	-	-	-	-	-	102	198	-	130	4018
Fishing	-	-	-	-	-	-	8	-	2	55
Non-specified	-	-	-	-	-	293	96	-	332	1557
NON-ENERGY USE	-	-	-	-	-	-	-	-	9	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	9	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Africa

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	24293	9923	545	3362	16344276	54	438	3009	804755	3730
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	8704	39	2263	5080	48	-	-	-	41909	-
Exports	-10597	-9535	-	-617	-1147	-	-	-	-36886	-
Intl. marine bunkers	-3474	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	146	1	-1	-	-	-	-	-	-	-
DOMESTIC SUPPLY	19072	428	2807	7825	16343177	54	438	3009	809778	3730
Transfers	-	451	-	-450	-	-	-	-	-	-
Statistical differences	794	3	-40	-124	-1346	-	-2	-	-18207	-
TRANSFORMATION	13168	-	-	-	4098560	-	413	-	-	3730
Electricity plants	13168	-	-	-	26399	-	413	-	-	3730
CHP plants	-	-	-	-	18561	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	4053600	-	-	-	-	-
ENERGY IND. OWN USE	476	-	9	-	13	-	-	-	52653	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	3813	-
Oil refineries	476	-	9	-	-	-	-	-	9912	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	33064	-
Pumped storage plants	-	-	-	-	-	-	-	-	5337	-
Other energy ind. own use	-	-	-	-	13	-	-	-	527	-
Losses	-	-	-	-	34	-	-	-	104282	-
FINAL CONSUMPTION	6222	882	2758	7251	12243224	54	23	3009	634636	-
INDUSTRY	5798	42	2521	53	860447	-	17	3009	254179	-
Iron and steel	-	-	-	2	-	-	-	-	5631	-
Chemical and petrochemical	27	-	-	-	-	-	-	360	14398	-
Non-ferrous metals	42	-	6	-	-	-	-	-	33375	-
Non-metallic minerals	218	-	2183	4	2202	-	-	2649	10101	-
Transport equipment	-	-	-	-	-	-	-	-	229	-
Machinery	-	-	-	-	-	-	-	-	636	-
Mining and quarrying	193	-	-	1	1059	-	-	-	37126	-
Food and tobacco	189	-	-	1	394	-	-	-	6543	-
Paper, pulp and print	19	-	-	-	-	-	-	-	2124	-
Wood and wood products	-	-	-	-	9	-	-	-	1040	-
Construction	48	-	-	1	25	-	-	-	2208	-
Textile and leather	32	-	-	-	41	-	-	-	1936	-
Non-specified	5030	42	332	44	856717	-	17	-	138832	-
TRANSPORT	269	-	-	112	-	54	-	-	5537	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	2	-	-	-	-	54	-	-	29	-
Rail	1	-	-	112	-	-	-	-	4675	-
Pipeline transport	-	-	-	-	-	-	-	-	329	-
Domestic navigation	266	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	504	-
OTHER	155	-	-	19	11382777	-	6	-	374920	-
Residential	-	-	-	4	10886427	-	-	-	220010	-
Comm. and public services	9	-	-	-	309925	-	-	-	106872	-
Agriculture/forestry	133	-	-	-	121313	-	-	-	23058	-
Fishing	4	-	-	-	-	-	-	-	-	-
Non-specified	9	-	-	15	65112	-	6	-	24980	-
NON-ENERGY USE	-	840	237	7067	-	-	-	-	-	-
in industry/transf./energy	-	840	237	6921	-	-	-	-	-	-
of which: chem./petrochem.	-	840	-	-	-	-	-	-	-	-
in transport	-	-	-	106	-	-	-	-	-	-
in other	-	-	-	40	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Americas

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	83903	336540	334277	80231	27336	-	52575	173383	245363	13	44361504
From other sources	-	772	-	-	-	-	213	-	-	-	64219
Imports	16493	38690	5098	100	4121	6	-	-	-	-	6820634
Exports	-66375	-100592	-2887	-105	-2913	-	-	-	-	-	-7143426
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	2156	26049	15839	-974	621	-	-	-	-	-	436568
DOMESTIC SUPPLY	36177	301459	352327	79252	29165	6	52788	173383	245363	13	44539499
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1033	478	9309	-2111	-359	-	-11	487	1	-	-722477
TRANSFORMATION	33445	274753	352986	75909	20165	-	52575	20171	96253	-	16649935
Electricity plants	-	262539	350422	70500	-	-	-	6062	12034	-	13921469
CHP plants	-	11141	2564	2	10	-	-	14075	84219	-	2343477
Heat plants	-	-	-	-	-	-	-	34	-	-	-
Blast furnaces	-	1073	-	-	20155	-	-	-	-	-	-
Gas works	-	-	-	5407	-	-	-	-	-	-	126
Coke/pat.fuel/BKB/PB plants	33445	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	52575	-	-	-	384863
ENERGY IND. OWN USE	-	50	1	-	82	-	-	40454	43312	-	5842957
Fuel mining and extraction	-	50	1	-	-	-	-	-	-	-	4245830
Oil refineries	-	-	-	-	-	-	-	-	-	-	1423075
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	82	-	-	40454	43312	-	174052
Losses	5	40	-	-	7	-	-	236	9299	-	76847
FINAL CONSUMPTION	1694	27094	8649	1232	8552	6	202	113009	96500	13	21247283
INDUSTRY	1694	26464	8201	1137	8256	4	16	113009	96500	-	8228925
Iron and steel	1200	3836	-	7	7195	-	-	83895	96500	-	798980
Chemical and petrochemical	-	3339	1435	404	3	-	-	-	-	-	2535457
Non-ferrous metals	-	1514	-	-	331	-	-	-	-	-	252946
Non-metallic minerals	-	9368	1035	-	616	-	-	-	-	-	652741
Transport equipment	-	2	-	-	-	-	-	-	-	-	212996
Machinery	-	76	-	-	1	-	-	-	-	-	423745
Mining and quarrying	-	351	245	6	102	-	3	-	-	-	188329
Food and tobacco	-	2743	3727	63	6	-	-	-	-	-	1074582
Paper, pulp and print	-	2770	711	-	-	-	-	-	-	-	614394
Wood and wood products	-	-	-	-	-	-	-	-	-	-	70112
Construction	-	-	-	-	-	-	-	-	-	-	37697
Textile and leather	-	288	-	-	-	-	-	-	-	-	71243
Non-specified	494	2177	1048	657	2	4	13	29114	-	-	1295703
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1334299
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	312643
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1020455
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	1201
OTHER	-	624	448	19	-	2	186	-	-	13	10120368
Residential	-	99	-	19	-	-	72	-	-	13	5960159
Comm. and public services	-	523	448	-	-	-	114	-	-	-	4022590
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	107614
Fishing	-	2	-	-	-	-	-	-	-	-	613
Non-specified	-	-	-	-	-	2	-	-	-	-	29392
NON-ENERGY USE	-	6	-	76	296	-	-	-	-	-	1563691
in industry/transf./energy	-	6	-	76	34	-	-	-	-	-	1563691
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	1563691
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	262	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Americas

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	1118717	143596	-	669	30869	19138	455155	95432	1921	346480
From other sources	6711	-	3427	2775	-	-	-	-	-	-
Imports	478752	2322	30983	5425	-	16053	71672	16281	547	59130
Exports	-442586	-11785	-9000	-3056	-	-31486	-47164	-12019	-527	-69476
Intl. marine bunkers	-	-	-	-	-	-	-	-44	-	-5950
Intl. aviation bunkers	-	-	-	-	-	-	-	-36996	-5	-
Stock changes	-1450	-439	342	-75	-62	856	-923	112	87	-1032
DOMESTIC SUPPLY	1160144	133694	25752	5738	30807	4561	478740	62766	2023	329152
Transfers	-10582	-101952	18225	-4098	5356	93504	8528	-12	14	2164
Statistical differences	5753	-3104	-221	56	-49	267	3164	-749	-561	4724
TRANSFORMATION	1154371	25939	43756	1696	2017	384	41	9	53	15024
Electricity plants	1950	-	-	-	532	18	41	9	53	14579
CHP plants	-	-	-	-	1485	74	-	-	-	445
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1152421	25939	43756	1696	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	292	-	-	-	-
ENERGY IND. OWN USE	412	-	-	-	32510	774	1035	38	36	11318
Fuel mining and extraction	196	-	-	-	5343	266	988	-	21	10281
Oil refineries	216	-	-	-	27167	491	47	38	15	1036
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	1
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	17	-	-	-	-
Losses	93	-	-	-	12	-	60	6	-	36
FINAL CONSUMPTION	439	2699	-	-	1575	97174	489296	61952	1387	309662
INDUSTRY	434	-	-	-	145	8044	1452	60	126	27011
Iron and steel	-	-	-	-	-	118	-	-	-	448
Chemical and petrochemical	-	-	-	-	145	2748	1	-	-	1946
Non-ferrous metals	-	-	-	-	-	70	1	-	-	37
Non-metallic minerals	-	-	-	-	-	486	2	-	-	747
Transport equipment	-	-	-	-	-	51	-	-	-	107
Machinery	-	-	-	-	-	286	-	-	-	404
Mining and quarrying	-	-	-	-	-	295	261	14	14	5732
Food and tobacco	-	-	-	-	-	406	3	-	-	804
Paper, pulp and print	7	-	-	-	-	118	-	-	-	350
Wood and wood products	-	-	-	-	-	45	-	-	-	1058
Construction	-	-	-	-	-	1401	25	-	7	8576
Textile and leather	-	-	-	-	-	29	-	-	-	15
Non-specified	427	-	-	-	-	1991	1159	46	105	6787
TRANSPORT	5	-	-	-	-	2605	480563	61406	5	228220
Domestic aviation	-	-	-	-	-	-	10	61359	-	3
Road	-	-	-	-	-	2109	476416	-	5	207640
Rail	-	-	-	-	-	-	-	-	-	14866
Pipeline transport	-	-	-	-	-	-	6	-	-	20
Domestic navigation	-	-	-	-	-	-	4110	-	-	5512
Non-specified	5	-	-	-	-	496	21	47	-	179
OTHER	-	-	-	-	-	29302	7281	486	1251	49902
Residential	-	-	-	-	-	22365	6	-	701	10589
Comm. and public services	-	-	-	-	-	5527	1841	486	508	11425
Agriculture/forestry	-	-	-	-	-	1247	4718	-	5	25732
Fishing	-	-	-	-	-	4	-	-	-	243
Non-specified	-	-	-	-	-	159	716	-	37	1913
NON-ENERGY USE	-	2699	-	-	1430	57223	-	-	5	4529
in industry/transf./energy	-	2699	-	-	1430	57223	-	-	3	4529
of which: chem./petrochem.	-	2699	-	-	1430	57187	-	-	3	4529
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	2	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Americas

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	90860	21177	73237	67234	7655292	81379	188106	362288	6617608	536903
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	29766	7819	9576	11429	4636	5556	-	-	136115	-
Exports	-55113	-3304	-40350	-9375	-38207	-7244	-	-	-137766	-
Intl. marine bunkers	-26326	-	-	-4	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-1167	121	356	405	-453	43	-	-	-	-
DOMESTIC SUPPLY	38020	25813	42819	69689	7621268	79734	188106	362288	6615957	536903
Transfers	677	-1646	2035	-11570	-	-	-	-	-	-
Statistical differences	806	959	-1335	15030	8778	-29	35	-	-12898	-
TRANSFORMATION	24162	2844	7821	424	1804925	117	179842	315881	-	3342
Electricity plants	23013	-	5631	138	575615	59	154938	264298	-	3342
CHP plants	1149	-	428	286	796815	58	21216	47346	-	-
Heat plants	-	-	-	-	-	-	3688	4237	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	1762	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	2829	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	15	-	-	432495	-	-	-	-	-
ENERGY IND. OWN USE	2304	170	18431	1929	513748	138	78	-	465108	169452
Fuel mining and extraction	135	-	2018	-	-	138	-	-	89328	-
Oil refineries	2124	170	16413	1929	-	-	-	-	60004	67852
Elec., CHP and heat plants	-	-	-	-	-	-	78	-	263217	101600
Pumped storage plants	-	-	-	-	-	-	-	-	30163	-
Other energy ind. own use	45	-	-	-	513748	-	-	-	22396	-
Losses	22	-	115	2	422	1	711	-	542367	60960
FINAL CONSUMPTION	13015	22112	17152	70794	5310951	79449	7510	46407	5595584	303149
INDUSTRY	8710	416	15900	4806	3215291	849	3152	27413	1535974	242109
Iron and steel	116	-	236	-	2582	9	61	-	102322	8108
Chemical and petrochemical	702	363	326	1641	4831	42	234	8237	193967	145376
Non-ferrous metals	1300	-	1236	-	-	1	-	-	158819	4300
Non-metallic minerals	285	-	9168	-	114739	18	-	6048	74827	164
Transport equipment	36	-	-	-	-	2	27	-	52419	5304
Machinery	3	-	218	-	-	10	-	-	98175	3976
Mining and quarrying	1312	-	506	-	-	55	-	-	95451	-
Food and tobacco	366	-	96	-	982020	9	109	300	135617	24326
Paper, pulp and print	1078	-	32	-	1785301	517	2540	9453	154945	22392
Wood and wood products	49	-	-	-	57093	11	-	-	22486	11155
Construction	38	-	-	-	55	151	-	-	66772	33
Textile and leather	36	-	-	-	2959	-	-	-	29292	6412
Non-specified	3389	53	4082	3165	265711	24	181	3375	350882	10563
TRANSPORT	2245	-	-	3	-	77518	-	-	23485	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	6	-	-	-	-	77170	-	-	5095	-
Rail	-	-	-	-	-	274	-	-	11640	-
Pipeline transport	-	-	-	-	-	-	-	-	6605	-
Domestic navigation	2239	-	-	2	-	74	-	-	-	-
Non-specified	-	-	-	1	-	-	-	-	145	-
OTHER	2057	-	-	244	2095660	1082	4358	18994	4036125	61040
Residential	24	-	-	-	1829046	595	3	-	1943433	-
Comm. and public services	996	-	-	1	81153	234	4324	18994	1756633	60206
Agriculture/forestry	362	-	-	-	183034	240	31	-	96667	1
Fishing	67	-	-	-	-	5	-	-	345	-
Non-specified	608	-	-	243	2427	8	-	-	239047	833
NON-ENERGY USE	3	21696	1252	65741	-	-	-	-	-	-
in industry/transf./energy	3	21696	1252	55241	-	-	-	-	-	-
of which: chem./petrochem.	2	21695	-	1755	-	-	-	-	-	-
in transport	-	-	-	4452	-	-	-	-	-	-
in other	-	-	-	6048	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Asia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	644563	3410027	346119	165929	560203	16749	272389	2263826	4998358	426	49025583
From other sources	-	218665	-	-	412	-	-	3744	-	-	181122
Imports	208661	690089	98312	767	8055	57	-	-	-	3	16060555
Exports	-26228	-187399	-247365	-2905	-11671	-138	-	-	-	-3	-13243271
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-5633	127807	-950	-2690	15509	-36	-	-	-	-	81808
DOMESTIC SUPPLY	821363	4259189	196116	161101	572508	16632	272389	2267570	4998358	426	52105797
Transfers	-	-	-	-	-1695	-	-	-	-	-	-
Statistical differences	-71	80411	771	-115	-671	130	-1966	-8009	-200511	-	230817
TRANSFORMATION	793637	2963009	171899	138917	389637	-	98084	617508	1447443	423	23298297
Electricity plants	45492	1910172	171623	130483	54	-	-	481849	1071647	423	20400132
CHP plants	62	965199	235	7776	-	-	-	28830	110538	-	2130393
Heat plants	-	2	-	12	-	-	-	106829	265258	-	99450
Blast furnaces	21613	6072	-	-	389553	-	-	-	-	-	-
Gas works	167	20773	-	-	19	-	-	-	-	-	8464
Coke/pat.fuel/BKB/PB plants	726111	49738	41	646	11	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	192	11053	-	-	-	-	-	-	-	-	639175
Other transformation	-	-	-	-	-	-	98084	-	-	-	20683
ENERGY IND. OWN USE	1081	68725	-	398	2994	884	8415	409617	222817	-	5202646
Fuel mining and extraction	196	33741	-	1	771	112	-	9375	-	-	2970732
Oil refineries	-	-	-	-	-	-	-	-	-	-	920041
Elec., CHP and heat plants	25	10484	-	377	375	6	-	16	2	-	154222
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	860	24500	-	20	1848	766	8415	400226	222815	-	1157651
Losses	-	5831	-	42	78	-	-	1389	1028	-	397253
FINAL CONSUMPTION	26574	1302035	24988	21629	177433	15878	163924	1231047	3126559	3	23438418
INDUSTRY	25715	994727	23949	14282	148330	8427	112704	1169892	3126559	3	10094367
Iron and steel	8791	183122	432	55	98806	2490	974	966921	3118892	-	548415
Chemical and petrochemical	1657	176669	22	794	20061	4128	15054	96220	4209	-	1791010
Non-ferrous metals	4152	21676	-	1455	5801	77	64637	17363	1355	-	221036
Non-metallic minerals	793	365419	14596	2815	9806	762	14783	70062	2103	-	546752
Transport equipment	4	2570	-	5	1351	11	254	588	-	-	219546
Machinery	124	10653	-	78	8458	48	9134	5077	-	-	375301
Mining and quarrying	124	10277	-	72	1703	103	1627	5829	-	-	76512
Food and tobacco	46	44282	528	1441	1528	189	2426	429	-	-	320548
Paper, pulp and print	20	21421	4351	694	18	124	2	5	-	-	139144
Wood and wood products	-	3492	-	21	26	8	2	78	-	-	24805
Construction	10	8116	-	144	71	-	-	-	-	-	41025
Textile and leather	8	19813	15	3297	36	222	82	6424	-	-	153231
Non-specified	9986	127217	4005	3411	665	265	3729	896	-	3	5637042
TRANSPORT	-	5	-	44	32	-	-	-	-	-	1709037
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1527312
Rail	-	2	-	44	28	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	181725
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	3	-	-	4	-	-	-	-	-	-
OTHER	11	245300	1039	7303	1405	7451	51220	28665	-	-	8306171
Residential	-	101301	113	4265	274	7020	45461	26315	-	-	5862106
Comm. and public services	-	56530	-	957	600	310	5759	2350	-	-	2290625
Agriculture/forestry	-	28060	-	19	531	-	-	-	-	-	101873
Fishing	-	-	-	-	-	-	-	-	-	-	1876
Non-specified	11	59409	926	2062	-	121	-	-	-	-	49691
NON-ENERGY USE	848	62003	-	-	27666	-	-	32490	-	-	3328843
in industry/transf./energy	848	62003	-	-	27666	-	-	32490	-	-	3328843
of which: chem./petrochem.	-	1	-	-	1166	-	-	71	-	-	3278369
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. The peat column also includes the quantities of oil shale for Israel.

Asia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ^a	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	1809023	191375	-	714	57723	58943	344998	146715	43780	598527
From other sources	9703	-	17610	-	-	-	-	-	-	-
Imports	1134420	6004	8985	2366	-	62493	78799	22206	1720	108595
Exports	-1112723	-42013	-1297	-2	-	-59134	-81402	-55237	-13393	-177695
Intl. marine bunkers	-	-	-	-	-	-	-6	-	-98	-7774
Intl. aviation bunkers	-	-	-	-	-	-	-	-75378	-	-2
Stock changes	-20632	3831	-150	-4	-	-1191	-1280	-2103	-2011	852
DOMESTIC SUPPLY	1819791	159197	25148	3074	57723	61111	341109	36203	29998	522503
Transfers	-4057	-115386	15533	-726	254	97114	5221	221	-69	3572
Statistical differences	6616	789	-246	-18	130	1811	-300	205	-491	4286
TRANSFORMATION	1806079	42261	40435	2330	5017	3536	-	-	203	43343
Electricity plants	36267	1	-	-	3481	541	-	-	201	43279
CHP plants	-	-	-	-	2	-	-	-	-	-
Heat plants	-	-	-	-	1534	35	-	-	2	61
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1769140	42260	40435	2330	-	-	-	-	-	-
Petrochemical plants	672	-	-	-	-	1781	-	-	-	3
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	1179	-	-	-	-
ENERGY IND. OWN USE	8023	1705	-	-	50286	5289	3	8	21	4101
Fuel mining and extraction	7616	1705	-	-	-	451	-	-	20	3245
Oil refineries	352	-	-	-	50286	4449	1	8	-	475
Elec., CHP and heat plants	55	-	-	-	-	250	2	-	-	359
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	139	-	-	1	22
Losses	985	-	-	-	-	26	4	-	-	2
FINAL CONSUMPTION	7696	634	-	-	2804	151185	346023	36621	29214	482915
INDUSTRY	6113	2	-	-	2491	8812	295	-	1706	53120
Iron and steel	-	-	-	-	-	863	-	-	111	1554
Chemical and petrochemical	17	2	-	-	2337	3680	-	-	181	2401
Non-ferrous metals	-	-	-	-	-	111	-	-	56	672
Non-metallic minerals	-	-	-	-	-	1022	-	-	109	4763
Transport equipment	-	-	-	-	-	180	4	-	85	749
Machinery	-	-	-	-	-	513	3	-	257	2146
Mining and quarrying	-	-	-	-	-	20	21	-	12	6115
Food and tobacco	-	-	-	-	-	390	12	-	213	3431
Paper, pulp and print	-	-	-	-	-	71	-	-	35	594
Wood and wood products	-	-	-	-	-	11	10	-	25	510
Construction	-	-	-	-	-	192	111	-	290	11042
Textile and leather	-	-	-	-	-	114	1	-	61	1488
Non-specified	6096	-	-	-	154	1645	133	-	271	17655
TRANSPORT	-	-	-	-	-	10542	342685	35033	67	353958
Domestic aviation	-	-	-	-	-	-	12	35031	-	10
Road	-	-	-	-	-	10541	342510	-	3	322336
Rail	-	-	-	-	-	1	-	-	-	7646
Pipeline transport	-	-	-	-	-	-	-	-	50	9
Domestic navigation	-	-	-	-	-	-	154	-	-	21963
Non-specified	-	-	-	-	-	-	9	2	14	1994
OTHER	-	-	-	-	-	85914	2899	1583	26523	75333
Residential	-	-	-	-	-	73479	2	-	20398	7568
Comm. and public services	-	-	-	-	-	10152	62	1139	4879	21209
Agriculture/forestry	-	-	-	-	-	103	2494	-	681	40840
Fishing	-	-	-	-	-	3	9	-	2	3069
Non-specified	-	-	-	-	-	2177	332	444	563	2647
NON-ENERGY USE	1583	632	-	-	313	45917	144	5	918	504
in industry/transf./energy	1583	632	-	-	313	45917	144	5	918	504
of which: chem./petrochem.	1542	632	-	-	313	44810	144	5	763	504
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Asia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁶ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	181083	172437	37211	153133	20215415	11684	400199	743446	12490843	5164572
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	142393	78439	26768	28207	26235	804	-	1137	100508	-
Exports	-83902	-70285	-7902	-32942	-58	-569	-	-	-92114	-
Intl. marine bunkers	-110279	-	-	-22	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	2033	-726	382	227	11	-57	-	-253	-	-
DOMESTIC SUPPLY	131328	179865	56459	148603	20241603	11862	400199	744330	12499237	5164572
Transfers	-10041	16308	392	-6515	-	-	-	-	-	-
Statistical differences	6715	-3966	-417	-12230	13808	-56	-1	-3501	24590	-11171
TRANSFORMATION	57382	16397	5446	2516	3543058	687	54159	528350	1002	15557
Electricity plants	53857	320	2620	1571	2551447	687	45982	446929	-	1497
CHP plants	1701	1116	518	1	5913	-	7484	6985	-	-
Heat plants	1824	-	1791	172	20268	-	-	69593	1002	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	517	95	-	-	-	4843	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	14680	-	124	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	281	-	553	965430	-	693	-	-	14060
ENERGY IND. OWN USE	9377	77	342	10573	-	-	4055	-	1120243	584249
Fuel mining and extraction	357	-	-	194	-	-	-	-	143498	61091
Oil refineries	8836	77	286	10244	-	-	-	-	142698	388691
Elec., CHP and heat plants	140	-	56	9	-	-	-	-	749122	131262
Pumped storage plants	-	-	-	-	-	-	-	-	59858	-
Other energy ind. own use	44	-	-	126	-	-	4055	-	25067	3205
Losses	-	-	-	-	-	-	-	-	952105	85385
FINAL CONSUMPTION	61243	175733	50646	116769	16712353	11119	341984	212479	10450477	4468210
INDUSTRY	40862	6592	32031	26962	2513773	13	25899	140478	5298395	2775495
Iron and steel	1526	-	762	61	-	-	-	1763	792918	233805
Chemical and petrochemical	3752	6560	1009	11354	243	1	214	19094	784552	1395502
Non-ferrous metals	867	-	20	124	-	-	-	1421	648682	152812
Non-metallic minerals	4632	-	8778	569	5897	1	-	50518	424952	13184
Transport equipment	132	-	-	22	109	-	-	-	170048	43058
Machinery	564	-	-	148	196	1	-	-	673123	47248
Mining and quarrying	310	-	2	15	3	4	-	-	113378	47548
Food and tobacco	1004	-	-	4	200978	2	364	1301	221182	163794
Paper, pulp and print	617	-	71	5	119977	-	64	29148	147411	216352
Wood and wood products	23	-	-	-	15711	-	-	291	48654	10552
Construction	655	-	-	998	6	4	-	1067	85002	10822
Textile and leather	932	-	-	20	1023	-	40	2804	293639	337199
Non-specified	25848	32	21389	13642	2169630	-	25217	33071	894854	103619
TRANSPORT	13056	-	-	35	2	11079	-	-	163062	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	14	-	-	16	-	11073	-	-	43837	-
Rail	7	-	-	1	2	-	-	-	114721	-
Pipeline transport	-	-	-	17	-	-	-	-	1781	-
Domestic navigation	8242	-	-	-	-	6	-	-	-	-
Non-specified	4793	-	-	1	-	-	-	-	2723	-
OTHER	5659	-	165	673	14198578	27	316085	72001	4989020	1692715
Residential	219	-	3	8	13798126	-	314853	-	2344701	1133603
Comm. and public services	2196	-	162	112	354835	22	1063	36754	1570836	219614
Agriculture/forestry	263	-	-	8	2975	1	169	25	415331	5154
Fishing	47	-	-	11	-	4	-	-	3889	6
Non-specified	2934	-	-	534	42642	-	-	35222	654263	334338
NON-ENERGY USE	1666	169141	18450	89099	-	-	-	-	-	-
in industry/transf./energy	1666	169141	18425	58587	-	-	-	-	-	-
of which: chem./petrochem.	1666	169141	531	14853	-	-	-	-	-	-
in transport	-	-	-	3467	-	-	-	-	-	-
in other	-	-	25	27045	-	-	-	-	-	-

6. Includes both primary and secondary solid biofuels.

Europe

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	113064	302735	730	512502	93654	8530	22183	685842	892074	25546	35529331
From other sources	-	4939	-	-	-	-	1152	1296	207	-	16308
Imports	52778	188834	1491	4288	12609	1025	-	-	-	233	18406529
Exports	-26606	-189167	-2	-6954	-13659	-1427	-	-	-	-266	-16723929
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-2244
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	284	16131	700	1298	-146	42	-	-	-	6627	392060
DOMESTIC SUPPLY	139520	323472	2919	511134	92458	8170	23335	687138	892281	32140	37618055
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	468	-2584	-33	2520	-868	235	-2	-8819	-5034	3	144767
TRANSFORMATION	139293	275852	1986	503586	80793	2284	21911	175684	359919	29076	15848200
Electricity plants	2269	121066	1481	275513	-	630	2600	30788	169189	16084	2832901
CHP plants	476	115433	499	200623	5	1572	19308	129554	169001	5381	10047506
Heat plants	111	21493	6	7719	5	82	3	15342	21729	1625	2770973
Blast furnaces	3391	17636	-	1	79480	-	-	-	-	-	516
Gas works	-	-	-	1402	131	-	-	-	-	664	974
Coke/pat.fuel/BKB/PB plants	133046	223	-	18328	612	-	-	-	-	968	1238
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	4354	-
Other transformation	-	1	-	-	560	-	-	-	-	-	194092
ENERGY IND. OWN USE	84	2086	2	1768	29	12	275	206351	111739	163	1630832
Fuel mining and extraction	-	858	2	951	-	2	275	120	848	32	1055315
Oil refineries	-	36	-	-	-	-	-	857	-	-	390593
Elec., CHP and heat plants	-	1192	-	114	-	-	-	309	711	24	83815
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	84	-	-	703	29	10	-	205065	110180	107	101109
Losses	2	35	-	58	-	-	109	4446	71899	90	371702
FINAL CONSUMPTION	609	42915	898	8242	10768	6109	1038	291838	343690	2814	19912089
INDUSTRY	365	21142	766	2909	8706	3806	245	291838	342797	1084	5626583
Iron and steel	311	4506	472	174	7278	284	-	281396	338851	1	1025128
Chemical and petrochemical	-	4325	-	1049	368	336	187	2878	1833	9	1112793
Non-ferrous metals	-	539	-	105	62	-	-	59	1202	-	169503
Non-metallic minerals	51	7575	237	687	611	2414	-	3940	910	401	1052752
Transport equipment	-	326	-	27	31	-	-	1854	-	-	152497
Machinery	-	141	1	47	58	-	-	1266	1	2	393563
Mining and quarrying	-	176	-	54	75	132	-	420	-	3	99503
Food and tobacco	3	1762	16	512	155	197	39	-	-	4	740205
Paper, pulp and print	-	1098	38	122	-	352	-	-	-	655	346204
Wood and wood products	-	66	-	4	-	-	-	-	-	6	40562
Construction	-	63	2	45	2	9	-	-	-	2	253382
Textile and leather	-	96	-	40	-	-	-	-	-	-	102285
Non-specified	-	469	-	43	66	82	19	25	-	1	138206
TRANSPORT	-	37	-	1	-	-	-	-	-	1	1622418
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	92815
Rail	-	33	-	1	-	-	-	-	-	1	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1523382
Domestic navigation	-	-	-	-	-	-	-	-	-	-	4507
Non-specified	-	4	-	-	-	-	-	-	-	-	1714
OTHER	154	20549	132	5295	262	1688	793	-	-	1522	10268995
Residential	-	15476	126	3671	201	1595	627	-	-	1123	7662140
Comm. and public services	154	3359	4	1427	40	59	166	-	-	158	2333050
Agriculture/forestry	-	1666	1	177	11	34	-	-	-	241	233016
Fishing	-	1	-	-	-	-	-	-	-	-	128
Non-specified	-	47	1	20	10	-	-	-	-	-	40661
NON-ENERGY USE	90	1187	-	37	1800	615	-	-	893	207	2394093
in industry/transf./energy	2	1139	-	37	1799	615	-	-	893	207	2394093
of which: chem./petrochem.	-	403	-	-	778	-	-	-	748	-	2390681
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	88	48	-	-	1	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. The peat column also includes the quantities of oil shale for Estonia.

Europe

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ^a	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	673315	40901	-	2470	38176	39816	168619	46216	12109	341878
From other sources	2183	-	15746	227	-	-	-	-	-	-
Imports	571066	12053	26621	1601	-	24838	32597	35112	2650	152144
Exports	-361391	-4748	-10781	-488	-	-21382	-92870	-18336	-1705	-155803
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-20210
Intl. aviation bunkers	-	-	-	-	-	-	-	-53171	-	-
Stock changes	2100	-6	74	28	-	251	-885	92	37	-738
DOMESTIC SUPPLY	887273	48200	31660	3838	38176	43523	107461	9913	13091	317271
Transfers	-715	-13073	18513	-615	4517	9449	11776	1924	-8137	222
Statistical differences	412	22	821	-55	909	422	-2153	-120	13	-470
TRANSFORMATION	879850	32588	50994	3168	4745	1988	82	-	241	3770
Electricity plants	-	-	-	-	193	66	-	-	2	2387
CHP plants	12	-	-	-	2150	82	-	-	-	494
Heat plants	826	-	-	-	1766	49	-	-	-	482
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	879012	31386	50994	3168	-	-	-	-	-	-
Petrochemical plants	-	1202	-	-	486	1791	82	-	239	404
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	150	-	-	-	-	3
ENERGY IND. OWN USE	297	2	-	-	27500	302	2	-	9	3796
Fuel mining and extraction	297	2	-	-	10	14	-	-	3	3328
Oil refineries	-	-	-	-	27465	220	-	-	-	27
Elec., CHP and heat plants	-	-	-	-	1	-	-	-	-	431
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	24	68	2	-	6	10
Losses	6779	-	-	-	39	3	1	-	-	3
FINAL CONSUMPTION	44	2559	-	-	11318	51101	116999	11717	4717	309454
INDUSTRY	22	6	-	-	10992	3789	196	7	1469	12772
Iron and steel	-	-	-	-	-	280	-	-	-	195
Chemical and petrochemical	18	6	-	-	10986	1358	134	-	16	588
Non-ferrous metals	-	-	-	-	-	98	-	-	-	90
Non-metallic minerals	1	-	-	-	-	303	1	-	8	820
Transport equipment	-	-	-	-	-	67	1	1	24	435
Machinery	-	-	-	-	-	286	21	6	1	804
Mining and quarrying	-	-	-	-	-	42	1	-	3	2198
Food and tobacco	3	-	-	-	-	503	4	-	59	1421
Paper, pulp and print	-	-	-	-	-	128	-	-	1	269
Wood and wood products	-	-	-	-	-	28	1	-	-	330
Construction	-	-	-	-	-	113	26	-	-	4121
Textile and leather	-	-	-	-	-	37	-	-	1	168
Non-specified	-	-	-	-	6	546	7	-	1356	1333
TRANSPORT	-	-	-	-	-	7458	116061	10925	3	233144
Domestic aviation	-	-	-	-	-	-	1	10909	-	-
Road	-	-	-	-	-	7283	115478	-	-	223938
Rail	-	-	-	-	-	-	28	-	-	3704
Pipeline transport	-	-	-	-	-	2	43	-	-	180
Domestic navigation	-	-	-	-	-	-	337	-	2	4083
Non-specified	-	-	-	-	-	173	174	16	1	1239
OTHER	18	-	-	-	-	14930	722	785	2961	61825
Residential	-	-	-	-	-	11827	294	-	2928	26453
Comm. and public services	-	-	-	-	-	2257	185	-	11	15768
Agriculture/forestry	8	-	-	-	-	717	79	-	8	16892
Fishing	-	-	-	-	-	4	15	-	-	1674
Non-specified	10	-	-	-	-	125	149	785	14	1038
NON-ENERGY USE	4	2553	-	-	326	24924	20	-	284	1713
in industry/transf./energy	4	2553	-	-	326	24924	20	-	284	1713
of which: chem./petrochem.	-	2551	-	-	326	24884	20	-	268	1713
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Europe

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁶ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	144739	67051	15814	66593	4480319	16523	703247	1324390	4859386	8683299
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	67493	35249	10472	23156	342204	10119	-	29856	443761	244
Exports	-137216	-26616	-7324	-35922	-193513	-7903	-	-2627	-457180	-213
Intl. marine bunkers	-39445	-	-	-146	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-164	-	-	-	-	-	-
Stock changes	1195	-232	-326	-76	1644	120	-	-504	-	-
DOMESTIC SUPPLY	36766	75452	18636	53441	4630654	18859	703247	1351115	4845967	8683330
Transfers	-8613	-6931	239	-7542	-	-	-	-	-	-
Statistical differences	-4218	597	-198	2056	3002	110	225	1	-8656	-3461
TRANSFORMATION	12117	9795	1909	4839	1377886	1291	556345	1077597	4399	34623
Electricity plants	3738	-	974	490	385856	750	242554	301343	-	20113
CHP plants	4511	-	371	3332	675018	463	296185	613491	-	-
Heat plants	3267	-	3	55	279243	78	6996	162763	4399	-
Blast furnaces	48	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	560	-	61	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	550	9795	-	962	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	3	-	1	-	37708	-	10610	-	-	14510
ENERGY IND. OWN USE	3869	-	5021	1407	1572	57	22746	12915	554275	774450
Fuel mining and extraction	68	-	-	11	27	-	-	2	141771	180041
Oil refineries	3299	-	5021	1377	109	41	16	6014	63104	425325
Elec., CHP and heat plants	107	-	-	-	1107	-	67	1672	250612	76032
Pumped storage plants	-	-	-	-	-	-	-	-	51142	-
Other energy ind. own use	395	-	-	19	329	16	22663	5227	47646	93052
Losses	-	-	-	2	27	-	998	-	356956	785766
FINAL CONSUMPTION	7949	59323	11747	41707	3254171	17621	123383	260604	3921681	7085030
INDUSTRY	4608	1513	10066	355	926822	119	20487	228815	1496868	2658510
Iron and steel	326	-	80	2	1050	-	31	18523	208759	331693
Chemical and petrochemical	1160	1424	18	89	16328	15	3267	31377	246819	852484
Non-ferrous metals	148	-	40	-	34	-	26	461	192832	17041
Non-metallic minerals	696	-	6426	212	48751	14	994	135551	91874	105125
Transport equipment	35	-	3	6	791	3	6	40	68741	112341
Machinery	245	-	1	3	6978	5	442	265	146106	353468
Mining and quarrying	128	-	7	13	2462	8	403	932	56635	42268
Food and tobacco	842	-	2	4	44284	7	6967	3439	147223	281567
Paper, pulp and print	536	-	-	1	538359	6	4519	13295	141554	271006
Wood and wood products	41	-	-	-	217976	2	63	18652	31336	76039
Construction	179	-	-	8	5666	53	45	151	36005	27312
Textile and leather	88	-	-	2	1485	-	154	54	24119	60636
Non-specified	184	89	3489	15	42658	6	3570	6075	104865	127530
TRANSPORT	1391	-	-	13	6	17220	5994	-	158984	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	11	-	17170	5973	-	1932	-
Rail	41	-	-	-	6	37	-	-	110463	-
Pipeline transport	10	-	-	1	-	-	-	-	23084	-
Domestic navigation	1273	-	-	-	-	6	-	-	-	-
Non-specified	67	-	-	1	-	7	21	-	23505	-
OTHER	894	-	32	87	2327343	282	96902	31789	2265829	4426520
Residential	30	-	32	3	2097109	10	2957	-	1099073	3019587
Comm. and public services	404	-	-	78	155331	206	74949	29204	1087338	1268861
Agriculture/forestry	91	-	-	5	69423	53	18878	2585	74571	129245
Fishing	318	-	-	-	28	6	-	-	2147	2211
Non-specified	51	-	-	1	5452	7	118	-	2700	6616
NON-ENERGY USE	1056	57810	1649	41252	-	-	-	-	-	-
in industry/transf./energy	1056	57810	1647	38594	-	-	-	-	-	-
of which: chem./petrochem.	1054	57655	172	8524	-	-	-	-	-	-
in transport	-	-	-	1929	-	-	-	-	-	-
in other	-	-	2	725	-	-	-	-	-	-

6. Includes both primary and secondary solid biofuels.

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2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	190473	223932	27022	61786	3202	-	-	24505	23940	-	4262321
From other sources	-	-	-	-	-	-	39	16	-	-	-
Imports	20	917	379	-	189	41	-	-	-	-	238467
Exports	-189185	-201303	-	-	-712	-	-	-	-	-	-2689416
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	2333	3371	186	-6	-	-18	-	-	-	-	-966
DOMESTIC SUPPLY	3641	26917	27587	61780	2679	23	39	24521	23940	-	1810406
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-22	17	-76	952	-	-	-	-	-	-	43570
TRANSFORMATION	3567	24997	24307	62409	2014	21	-	1854	5377	-	622717
Electricity plants	-	24936	22934	61145	-	21	-	-	-	-	506374
CHP plants	-	-	483	1264	-	-	-	1854	5377	-	110780
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	61	-	-	2014	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	39
Coke/pat.fuel/BKB/PB plants	3567	-	890	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	5524
ENERGY IND. OWN USE	44	-	52	3	-	-	-	22049	17291	-	483646
Fuel mining and extraction	44	-	52	3	-	-	-	-	-	-	269082
Oil refineries	-	-	-	-	-	-	-	-	-	-	13033
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	22049	17291	-	201531
Losses	-	-	-	-	-	-	-	-	264	-	639
FINAL CONSUMPTION	8	1937	3152	320	665	2	39	618	1008	-	746974
INDUSTRY	7	1932	3066	253	665	1	-	618	1008	-	397906
Iron and steel	-	38	-	-	437	-	-	618	1008	-	16561
Chemical and petrochemical	-	219	-	-	18	-	-	-	-	-	104491
Non-ferrous metals	-	489	1829	-	141	-	-	-	-	-	129153
Non-metallic minerals	-	398	385	-	4	-	-	-	-	-	56392
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	2978
Mining and quarrying	-	-	117	-	65	-	-	-	-	-	5417
Food and tobacco	6	321	563	252	-	1	-	-	-	-	51053
Paper, pulp and print	-	-	143	-	-	-	-	-	-	-	18451
Wood and wood products	1	6	26	1	-	-	-	-	-	-	3932
Construction	-	-	-	-	-	-	-	-	-	-	3679
Textile and leather	-	17	3	-	-	-	-	-	-	-	5595
Non-specified	-	444	-	-	-	-	-	-	-	-	204
TRANSPORT	-	-	-	-	-	-	-	-	-	-	13258
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	4349
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	8356
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	553
OTHER	1	5	86	67	-	1	39	-	-	-	242722
Residential	-	-	8	10	-	1	-	-	-	-	172137
Comm. and public services	1	4	23	55	-	-	39	-	-	-	66478
Agriculture/forestry	-	1	55	2	-	-	-	-	-	-	4107
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	93088
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	93088
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	93088
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	21713	4124	-	-	1009	385	10074	3969	100	9876
From other sources	132	-	-	-	-	-	-	-	-	-
Imports	21638	-	828	-	-	572	6191	4986	45	17339
Exports	-17357	-5	-442	-	-	-3409	-54	-4	-	-44
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-231
Intl. aviation bunkers	-	-	-	-	-	-	-	-4855	-	-
Stock changes	61	1	39	-	-	-59	-33	-1	-	-76
DOMESTIC SUPPLY	26187	4120	425	-	1009	-2511	16178	4095	145	26864
Transfers	7	-4120	1081	-	-	4570	116	-2	-59	192
Statistical differences	116	-	459	-	-	411	-29	-783	26	120
TRANSFORMATION	26238	-	1965	-	-	-	-	-	-	1742
Electricity plants	-	-	-	-	-	-	-	-	-	1742
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	26238	-	1965	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	57	-	-	-	1009	48	-	-	19	2377
Fuel mining and extraction	51	-	-	-	-	38	-	-	-	2359
Oil refineries	-	-	-	-	1009	-	-	-	-	-
Elec., CHP and heat plants	6	-	-	-	-	6	-	-	17	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	4	-	-	2	18
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	15	-	-	-	-	2422	16265	3310	93	23057
INDUSTRY	15	-	-	-	-	306	14	-	3	3736
Iron and steel	-	-	-	-	-	1	-	-	-	10
Chemical and petrochemical	-	-	-	-	-	-	-	-	1	91
Non-ferrous metals	-	-	-	-	-	14	-	-	-	54
Non-metallic minerals	-	-	-	-	-	118	-	-	-	25
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	11	1	-	-	12
Mining and quarrying	-	-	-	-	-	30	-	-	-	2211
Food and tobacco	4	-	-	-	-	16	5	-	-	36
Paper, pulp and print	-	-	-	-	-	3	-	-	-	2
Wood and wood products	-	-	-	-	-	1	-	-	-	5
Construction	-	-	-	-	-	5	-	-	-	516
Textile and leather	11	-	-	-	-	4	-	-	-	1
Non-specified	-	-	-	-	-	103	8	-	2	773
TRANSPORT	-	-	-	-	-	913	16049	3310	2	16007
Domestic aviation	-	-	-	-	-	-	3	3310	2	-
Road	-	-	-	-	-	908	15762	-	-	14355
Rail	-	-	-	-	-	1	-	-	-	1110
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	273	-	-	338
Non-specified	-	-	-	-	-	4	11	-	-	204
OTHER	-	-	-	-	-	568	202	-	84	3314
Residential	-	-	-	-	-	413	2	-	75	3
Comm. and public services	-	-	-	-	-	104	10	-	8	770
Agriculture/forestry	-	-	-	-	-	45	188	-	1	2479
Fishing	-	-	-	-	-	-	2	-	-	62
Non-specified	-	-	-	-	-	6	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	635	-	-	4	-
in industry/transf./energy	-	-	-	-	-	635	-	-	4	-
of which: chem./petrochem.	-	-	-	-	-	635	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1142	271	424	727	315262	238	20656	3915	308996	1416
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1441	-	764	1276	3	-	-	-	-	-
Exports	-332	-	-	-268	-6	-	-	-	-	-
Intl. marine bunkers	-846	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-5	-11	-19	-	-	-	-	-	-
DOMESTIC SUPPLY	1405	266	1177	1716	315259	238	20656	3915	308996	1416
Transfers	-	-255	-	1852	-	-	-	-	-	-
Statistical differences	200	2	321	-118	-	-	34	-	1951	-
TRANSFORMATION	1087	-	-	77	29187	2	17213	-	-	1416
Electricity plants	1087	-	-	53	4193	2	10489	-	-	1416
CHP plants	-	-	-	24	23953	-	6724	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	1041	-	-	-	-	-
ENERGY IND. OWN USE	48	-	424	218	-	-	-	-	32479	-
Fuel mining and extraction	-	-	-	2	-	-	-	-	14587	-
Oil refineries	10	-	424	52	-	-	-	-	1404	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	13911	-
Pumped storage plants	-	-	-	-	-	-	-	-	415	-
Other energy ind. own use	38	-	-	164	-	-	-	-	2162	-
Losses	-	-	-	-	-	-	-	-	17363	-
FINAL CONSUMPTION	470	13	1074	3155	286072	236	3477	3915	261105	-
INDUSTRY	291	10	-	372	171764	-	1133	3915	98641	-
Iron and steel	3	-	-	3	-	-	-	-	4664	-
Chemical and petrochemical	3	-	-	-	485	-	-	3736	4409	-
Non-ferrous metals	105	-	-	193	1937	-	-	-	39284	-
Non-metallic minerals	7	-	-	39	2195	-	296	-	6908	-
Transport equipment	-	-	-	-	-	-	-	-	29	-
Machinery	-	-	-	-	-	-	-	-	1528	-
Mining and quarrying	16	-	-	38	6	-	-	-	18490	-
Food and tobacco	12	-	-	50	88033	-	803	179	8757	-
Paper, pulp and print	-	-	-	48	7375	-	34	-	5275	-
Wood and wood products	2	-	-	1	59803	-	-	-	2202	-
Construction	10	-	-	-	-	-	-	-	586	-
Textile and leather	2	-	-	-	-	-	-	-	630	-
Non-specified	131	10	-	-	11930	-	-	-	5879	-
TRANSPORT	172	-	-	19	-	236	-	-	6346	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	236	-	-	-	-
Rail	-	-	-	-	-	-	-	-	3445	-
Pipeline transport	-	-	-	19	-	-	-	-	211	-
Domestic navigation	159	-	-	-	-	-	-	-	-	-
Non-specified	13	-	-	-	-	-	-	-	2690	-
OTHER	7	-	-	41	114308	-	2344	-	156118	-
Residential	-	-	-	-	113952	-	-	-	73337	-
Comm. and public services	7	-	-	41	284	-	2344	-	78198	-
Agriculture/forestry	-	-	-	-	8	-	-	-	4362	-
Fishing	-	-	-	-	-	-	-	-	29	-
Non-specified	-	-	-	-	64	-	-	-	192	-
NON-ENERGY USE	-	3	1074	2723	-	-	-	-	-	-
in industry/transf./energy	-	3	1074	2723	-	-	-	-	-	-
of which: chem./petrochem.	-	-	46	1681	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

OTHER REGIONAL TOTALS

IEA

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	289524	542804	360057	522798	111937	8038	74758	908848	1508869	22420	50416420
From other sources	-	1414	-	-	412	-	1191	5056	207	-	149835
Imports	136863	431301	12162	1375	14632	1059	-	-	-	102	30516211
Exports	-258886	-263056	-2887	-1383	-13588	-1423	-	-	-	-29	-16241694
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-2244
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	5442	43260	16865	-1048	598	15	-	-	-	6102	789735
DOMESTIC SUPPLY	172943	755723	386197	521742	113991	7689	75949	913904	1509076	28595	65628263
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1234	3985	9208	599	-2207	229	-2	-3391	-31104	3	-18318
TRANSFORMATION	169675	671917	383988	506361	92687	980	74486	198818	665460	26794	25177708
Electricity plants	2856	559587	380252	374796	54	348	2600	122022	471493	16084	19307724
CHP plants	497	77227	2846	109337	5	559	19308	72967	190835	4472	5048496
Heat plants	75	5848	-	316	2	73	3	3829	3132	959	384472
Blast furnaces	25004	13048	-	1	91985	-	-	-	-	-	516
Gas works	-	-	-	6809	75	-	-	-	-	664	1013
Coke/pat.fuel/BKB/PB plants	141243	16206	890	15102	157	-	-	-	-	261	1238
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	4354	-
Other transformation	-	1	-	-	409	-	52575	-	-	-	434249
ENERGY IND. OWN USE	140	913	55	1931	111	11	275	277692	338303	92	6298779
Fuel mining and extraction	44	88	55	858	-	1	275	120	848	32	4243960
Oil refineries	-	36	-	-	-	-	-	857	-	-	1582518
Elec., CHP and heat plants	12	789	-	370	-	-	-	325	62	7	142693
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	84	-	-	703	111	10	-	276390	337393	53	329608
Losses	2	31	-	47	-	-	109	4446	50014	-	78080
FINAL CONSUMPTION	1892	86847	11362	14002	18986	6927	1077	429557	424195	1712	34055379
INDUSTRY	1801	64390	10622	8140	16171	3695	245	429376	423447	720	12176950
Iron and steel	1297	9700	-	19	13296	284	-	358451	411834	-	1157365
Chemical and petrochemical	-	12570	1178	1892	772	294	187	30665	6042	9	3461970
Non-ferrous metals	-	1209	1829	372	483	-	-	59	2557	-	543828
Non-metallic minerals	-	25301	1545	1128	742	2407	-	8107	3013	49	1260858
Transport equipment	-	319	-	28	111	-	-	1854	-	-	397245
Machinery	-	154	1	94	48	-	-	681	1	-	846945
Mining and quarrying	-	177	117	68	116	132	-	420	-	-	203489
Food and tobacco	9	4302	4191	2074	194	182	39	-	-	2	1778346
Paper, pulp and print	-	6515	683	293	-	319	-	-	-	654	925412
Wood and wood products	1	85	26	24	-	-	-	-	-	6	114071
Construction	-	29	2	30	2	9	-	-	-	-	143268
Textile and leather	-	445	3	1452	-	-	-	-	-	-	214605
Non-specified	494	3584	1047	666	407	68	19	29139	-	-	1129548
TRANSPORT	-	18	-	1	-	-	-	-	-	-	1212752
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	193078
Rail	-	18	-	1	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1012990
Domestic navigation	-	-	-	-	-	-	-	-	-	-	4507
Non-specified	-	-	-	-	-	-	-	-	-	-	2177
OTHER	1	21838	740	5758	392	2617	832	-	-	785	18927279
Residential	-	13395	208	4614	201	2531	627	-	-	583	11638407
Comm. and public services	1	6847	475	994	170	52	205	-	-	14	6977934
Agriculture/forestry	-	1549	56	130	11	34	-	-	-	188	268327
Fishing	-	-	-	-	-	-	-	-	-	-	1950
Non-specified	-	47	1	20	10	-	-	-	-	-	40661
NON-ENERGY USE	90	601	-	103	2423	615	-	181	748	207	1738398
in industry/transf./energy	2	553	-	103	2328	615	-	181	748	207	1738398
of which: chem./petrochem.	-	29	-	-	1944	-	-	71	748	-	1738345
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	88	48	-	-	95	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. The peat column also includes the quantities of oil shale for Estonia.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ^a	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	914116	140994	-	3362	56294	35504	590182	156314	29146	626919
From other sources	8884	-	32214	3002	-	-	-	-	-	-
Imports	1305946	19502	56283	6630	-	52774	91703	50986	3941	179978
Exports	-371898	-14479	-21333	-3507	-	-46662	-132335	-40573	-2863	-199875
Intl. marine bunkers	-	-	-	-	-	-	-	-	-98	-15809
Intl. aviation bunkers	-	-	-	-	-	-	-	-93017	-	-
Stock changes	-1733	-522	369	-40	-	1017	-1471	-672	231	126
DOMESTIC SUPPLY	1855315	145495	67533	9447	56294	42633	548079	73038	30357	591339
Transfers	-8674	-103806	28491	-5439	10127	95797	18898	2997	-8180	1833
Statistical differences	5455	-3117	172	-96	186	-72	-220	-1450	-587	4702
TRANSFORMATION	1851952	33231	96196	3912	7418	5791	108	9	479	6537
Electricity plants	2384	1	-	-	3444	605	26	9	238	5603
CHP plants	-	-	-	-	3084	155	-	-	-	310
Heat plants	-	-	-	-	254	22	-	-	2	217
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1849568	32028	96196	3912	-	-	-	-	-	-
Petrochemical plants	-	1202	-	-	486	3540	82	-	239	404
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	150	1469	-	-	-	3
ENERGY IND. OWN USE	112	-	-	-	54772	1217	1003	38	45	12584
Fuel mining and extraction	51	-	-	-	5343	353	988	-	25	11695
Oil refineries	-	-	-	-	49429	607	15	38	1	837
Elec., CHP and heat plants	61	-	-	-	-	253	-	-	17	33
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	4	-	-	2	19
Losses	-	-	-	-	39	-	-	-	-	-
FINAL CONSUMPTION	32	5341	-	-	4378	131350	565646	74538	21066	578753
INDUSTRY	32	2	-	-	2995	9736	1183	25	2759	36320
Iron and steel	-	-	-	-	-	708	-	-	107	523
Chemical and petrochemical	17	2	-	-	2989	2258	130	-	162	2825
Non-ferrous metals	-	-	-	-	-	178	-	-	47	308
Non-metallic minerals	-	-	-	-	-	856	1	-	97	2045
Transport equipment	-	-	-	-	-	230	2	1	78	602
Machinery	-	-	-	-	-	737	20	5	192	1278
Mining and quarrying	-	-	-	-	-	321	261	-	13	6686
Food and tobacco	4	-	-	-	-	798	6	-	262	2165
Paper, pulp and print	-	-	-	-	-	208	-	-	29	491
Wood and wood products	-	-	-	-	-	68	-	-	24	1269
Construction	-	-	-	-	-	1315	12	-	197	13927
Textile and leather	11	-	-	-	-	74	-	-	52	254
Non-specified	-	-	-	-	6	1985	751	19	1499	3947
TRANSPORT	-	-	-	-	-	14622	557251	71858	8	429189
Domestic aviation	-	-	-	-	-	-	1	71795	2	7
Road	-	-	-	-	-	14453	552522	-	3	401659
Rail	-	-	-	-	-	1	-	-	-	17026
Pipeline transport	-	-	-	-	-	-	6	-	-	23
Domestic navigation	-	-	-	-	-	-	4695	-	2	9951
Non-specified	-	-	-	-	-	168	27	63	1	523
OTHER	-	-	-	-	-	29980	7192	2655	17284	106851
Residential	-	-	-	-	-	19511	289	-	12473	36637
Comm. and public services	-	-	-	-	-	8558	1910	1447	4140	30852
Agriculture/forestry	-	-	-	-	-	1774	4831	-	637	34431
Fishing	-	-	-	-	-	7	13	-	1	3555
Non-specified	-	-	-	-	-	130	149	1208	33	1376
NON-ENERGY USE	-	5339	-	-	1383	77012	20	-	1015	6393
in industry/transf./energy	-	5339	-	-	1383	77012	20	-	1015	6393
of which: chem./petrochem.	-	5339	-	-	1383	76936	20	-	995	6393
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁶ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	144896	101731	78587	124935	7218173	70060	910809	1868031	10819166	3136238
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	86601	81098	25187	28466	349341	14584	-	28824	462561	244
Exports	-109672	-33909	-45589	-47369	-137107	-11857	-	-2627	-459397	-213
Intl. marine bunkers	-61819	-	-	-169	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1363	-114	173	413	99	-113	-	9	-	-
DOMESTIC SUPPLY	61369	148806	58358	106276	7430506	72674	910809	1894237	10822330	3136269
Transfers	-10133	-4526	2274	-14701	-	-	-	-	-	-
Statistical differences	375	178	-1835	17113	10684	111	258	-3006	18361	-18231
TRANSFORMATION	26339	25649	9314	6796	2028780	1787	749349	1428439	5192	45541
Electricity plants	22288	127	7453	2206	937835	1189	413163	731212	-	16971
CHP plants	2950	1116	783	3384	902392	520	315576	572948	-	-
Heat plants	503	-	-	41	180536	78	9883	119436	5192	-
Blast furnaces	48	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	1077	95	-	-	-	4843	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	550	24406	-	1070	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	1	-	8017	-	10727	-	-	28570
ENERGY IND. OWN USE	7523	41	23657	2990	508	195	26852	6901	827133	357555
Fuel mining and extraction	152	-	2018	2	26	138	-	2	111750	5332
Oil refineries	7201	41	21583	2824	108	41	16	-	115085	160038
Elec., CHP and heat plants	126	-	56	-	62	-	145	1672	467120	144698
Pumped storage plants	-	-	-	-	-	-	-	-	85744	-
Other energy ind. own use	44	-	-	164	312	16	26691	5227	47434	47487
Losses	-	-	-	-	-	-	954	-	659455	268347
FINAL CONSUMPTION	17749	118768	25826	98902	5411902	70803	133912	455891	9348911	2446595
INDUSTRY	9237	4563	17131	2211	2608197	946	25247	341182	2949695	1042149
Iron and steel	377	-	842	4	382	2	92	1939	317458	29401
Chemical and petrochemical	2528	4474	1251	1276	17354	57	3573	59833	452046	485552
Non-ferrous metals	323	-	654	236	1967	1	26	1882	266714	9853
Non-metallic minerals	1558	-	11187	498	71216	32	1290	181433	170469	9866
Transport equipment	123	-	3	2	797	5	33	2	155238	30380
Machinery	247	-	219	44	6108	15	442	242	356769	27489
Mining and quarrying	550	-	9	40	2259	63	403	-	94580	4908
Food and tobacco	977	-	-	50	185428	16	8073	1957	260303	81776
Paper, pulp and print	1300	-	103	49	1951992	523	7157	48717	289799	128656
Wood and wood products	84	-	-	1	315561	13	63	1879	55447	28460
Construction	187	-	-	5	5139	204	45	1157	97124	2219
Textile and leather	247	-	-	1	1518	-	179	2804	71485	28437
Non-specified	736	89	2863	5	48476	15	3871	39337	362263	175152
TRANSPORT	4995	-	-	30	-	68930	5923	-	112309	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	12	-	-	11	-	68538	5902	-	6212	-
Rail	-	-	-	-	-	307	-	-	86170	-
Pipeline transport	-	-	-	19	-	-	-	-	8254	-
Domestic navigation	4982	-	-	-	-	80	-	-	-	-
Non-specified	1	-	-	-	-	5	21	-	11673	-
OTHER	1932	-	23	120	2803705	927	102742	114709	6286907	1404446
Residential	151	-	23	-	2512627	233	2957	-	2920796	921180
Comm. and public services	1342	-	-	101	178053	416	81694	79427	2991719	467498
Agriculture/forestry	366	-	-	7	103952	265	18056	60	140119	8815
Fishing	38	-	-	11	-	6	-	-	4482	-
Non-specified	35	-	-	1	9073	7	35	35222	229791	6953
NON-ENERGY USE	1585	114205	8672	96541	-	-	-	-	-	-
in industry/transf./energy	1585	114205	8645	81811	-	-	-	-	-	-
of which: chem./petrochem.	1585	114047	722	11876	-	-	-	-	-	-
in transport	-	-	-	7700	-	-	-	-	-	-
in other	-	-	27	7030	-	-	-	-	-	-

6. Includes both primary and secondary solid biofuels.

IEA: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	306395	548423	379193	523842	112401	8118	70855	906866	1502878	27090	51563390
From other sources	-	1322	-	-	343	-	974	3707	549	-	136920
Imports	137308	441257	14576	1447	13538	1012	-	-	-	84	33213423
Exports	-261656	-264683	-7905	-1311	-13872	-1525	-	-	-	-28	-18796874
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-8081	19359	5469	-2789	519	12	-	-	-	2028	112039
DOMESTIC SUPPLY	173966	745678	391333	521189	112929	7617	71829	910573	1503427	29174	66228898

SUPPLY	Oil (kt)									
	Crude oil ³	NGL	Feed- stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	938956	143516	-	3424	54193	37128	585838	163237	29064	637699
From other sources	9189	-	33487	2954	-	-	-	-	-	-
Imports	1333882	15032	56328	6340	-	50900	93694	52808	4210	182396
Exports	-408440	-14304	-25057	-3462	-	-54812	-138759	-42985	-3124	-213623
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-16267
Intl. aviation bunkers	-	-	-	-	-	-	-	-98015	-	-
Stock changes	17384	380	-151	71	-	-125	300	373	-257	7158
DOMESTIC SUPPLY	1890971	144624	64607	9327	54193	33091	541073	75418	29893	597363
Transfers	-8638	-105995	28536	-4711	9303	97391	19244	3047	-8284	3997

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio- fuels ⁶ (TJ)	Liquid bio- fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	145672	105587	77050	126790	7373600	72853	922312	1873920	10842743	3085426
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	70455	86271	24352	46987	353319	14961	-	30485	460913	260
Exports	-93921	-33086	-45919	-69342	-137946	-13812	-42	-2627	-475989	-219
Intl. marine bunkers	-63947	-	-	-242	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	3750	-493	-197	-794	-1093	100	-	-	-	-
DOMESTIC SUPPLY	62009	158279	55286	103399	7587880	74102	922270	1901778	10827667	3085467
Transfers	-13003	-7478	1838	-10397	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.
2. The peat column also includes the quantities of oil shale for Estonia.
3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.
4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.
5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.
6. Includes both primary and secondary solid biofuels.

IEA and Accession/Association countries

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	897017	3786705	694182	588487	617226	23532	347147	2689966	5665816	22420	62114654
From other sources	-	220079	-	-	412	-	1404	5056	207	-	248009
Imports	258275	753071	83198	1430	18853	1115	-	-	-	102	35862839
Exports	-263456	-401365	-243417	-1384	-24002	-1561	-	-	-	-29	-17571981
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-2244
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-1205	169403	16784	-1752	15973	-21	-	-	-	6102	790635
DOMESTIC SUPPLY	890631	4527893	550747	586781	628462	23065	348551	2695022	5666023	28595	81441912
Transfers	-	-	-	-	-1695	-	-	-	-	-	-
Statistical differences	-1240	80674	9206	601	-1835	359	-1979	-16823	-205543	3	-314022
TRANSFORMATION	867707	3258940	532946	566493	432190	980	172570	707662	1762364	26794	30142807
Electricity plants	47761	2178540	528954	434282	54	348	2600	512613	1237696	16084	23360414
CHP plants	525	978568	3061	109337	15	559	19308	84391	256278	4472	5910829
Heat plants	75	5848	-	316	2	73	3	110658	268390	959	384472
Blast furnaces	25004	16438	-	1	431448	-	-	-	-	-	516
Gas works	167	20773	-	6809	94	-	-	-	-	664	9603
Coke/pat.fuel/BKB/PB plants	793983	47719	931	15748	168	-	-	-	-	261	1238
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	192	11053	-	-	-	-	-	-	-	4354	-
Other transformation	-	1	-	-	409	-	150659	-	-	-	475735
ENERGY IND. OWN USE	1209	68343	55	1951	3105	895	8690	560537	346235	92	8287625
Fuel mining and extraction	240	33344	55	858	771	113	275	9495	848	32	5402072
Oil refineries	-	36	-	-	-	-	-	857	-	-	2272859
Elec., CHP and heat plants	25	10463	-	370	375	6	-	325	62	7	147227
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	944	24500	-	723	1959	776	8415	549860	345325	53	465467
Losses	7	43	-	47	7	-	109	4682	59168	-	201027
FINAL CONSUMPTION	20468	1281241	26952	18891	189630	21549	165203	1405318	3292713	1712	42496432
INDUSTRY	19518	967085	26212	13029	159505	12121	112965	1344163	3291965	720	15627868
Iron and steel	9392	183571	-	39	108285	2774	974	1103147	3280352	-	1419010
Chemical and petrochemical	1657	176586	1435	2143	20286	4422	15241	99098	6042	9	4218095
Non-ferrous metals	4152	22445	1829	1465	6334	77	64637	17422	2557	-	725672
Non-metallic minerals	793	351828	12172	2262	10375	3168	14783	73076	3013	49	1663540
Transport equipment	4	2882	-	28	1361	11	254	2442	-	-	518270
Machinery	124	10517	1	94	8501	48	9134	5758	1	-	1100792
Mining and quarrying	124	9555	362	74	1872	235	1630	6249	-	-	273425
Food and tobacco	55	46911	4290	2098	1658	371	2465	429	-	2	1944904
Paper, pulp and print	20	23431	5044	796	18	443	2	5	-	654	1057553
Wood and wood products	1	3563	26	24	26	8	2	78	-	6	124345
Construction	10	8082	2	30	73	9	-	-	-	-	151104
Textile and leather	8	16269	3	3310	36	222	82	6424	-	-	307806
Non-specified	3178	111445	1048	666	680	333	3761	30035	-	-	2123352
TRANSPORT	-	18	-	1	32	-	-	-	-	-	2363071
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1266243
Rail	-	18	-	1	28	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1090144
Domestic navigation	-	-	-	-	-	-	-	-	-	-	4507
Non-specified	-	-	-	-	4	-	-	-	-	-	2177
OTHER	12	251610	740	5758	1667	8813	52238	28665	-	785	21067493
Residential	-	109191	208	4614	475	8296	46160	26315	-	583	13192354
Comm. and public services	1	56168	475	994	640	362	6078	2350	-	14	7552513
Agriculture/forestry	-	29330	56	130	542	34	-	-	-	188	279903
Fishing	-	2	-	-	-	-	-	-	-	-	1953
Non-specified	11	56919	1	20	10	121	-	-	-	-	40770
NON-ENERGY USE	938	62528	-	103	28426	615	-	32490	748	207	3438000
in industry/transf./energy	850	62480	-	103	28163	615	-	32490	748	207	3438000
of which: chem./petrochem.	-	29	-	-	1944	-	-	71	748	-	3437947
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	88	48	-	-	263	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. The peat column also includes the quantities of oil shale for Estonia.

IEA and Accession/Association countries

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ³	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	1331185	157000	-	3362	96106	80278	808354	231380	39889	999356
From other sources	12572	-	35614	3002	-	-	-	-	-	-
Imports	2028872	19502	61411	6932	-	90970	124815	60616	3988	223970
Exports	-436788	-14533	-21333	-3507	-	-48632	-180814	-67179	-3186	-271963
Intl. marine bunkers	-	-	-	-	-	-	-	-	-98	-18684
Intl. aviation bunkers	-	-	-	-	-	-	-	-121788	-	-
Stock changes	-13146	-537	369	-50	-	-43	-4336	-740	-1786	2281
DOMESTIC SUPPLY	2922695	161432	76061	9739	96106	122573	748019	102289	38807	934960
Transfers	-13937	-118564	48248	-5439	10127	107575	19131	3000	-8204	1265
Statistical differences	1942	-3117	419	-39	129	-687	898	-1350	-1462	7540
TRANSFORMATION	2902383	33867	124728	4261	10017	5831	108	9	479	18701
Electricity plants	2515	1	-	-	4157	608	26	9	238	17338
CHP plants	-	-	-	-	3436	155	-	-	-	678
Heat plants	-	-	-	-	1788	57	-	-	2	278
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2899196	32664	124728	4261	-	-	-	-	-	-
Petrochemical plants	672	1202	-	-	486	3540	82	-	239	404
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	150	1471	-	-	-	3
ENERGY IND. OWN USE	3313	-	-	-	88744	5089	1004	38	62	16170
Fuel mining and extraction	3252	-	-	-	5343	360	988	-	41	14675
Oil refineries	-	-	-	-	83401	4334	15	38	1	1091
Elec., CHP and heat plants	61	-	-	-	-	253	1	-	17	365
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	142	-	-	3	39
Losses	599	-	-	-	39	12	-	-	-	-
FINAL CONSUMPTION	4405	5884	-	-	7562	218529	766936	103892	28600	908894
INDUSTRY	2863	2	-	-	5493	16437	1212	66	3060	68699
Iron and steel	-	-	-	-	-	1176	-	-	111	1730
Chemical and petrochemical	17	2	-	-	5333	5663	130	-	175	4138
Non-ferrous metals	-	-	-	-	-	263	-	-	56	740
Non-metallic minerals	-	-	-	-	-	1860	1	-	115	5958
Transport equipment	-	-	-	-	-	280	2	1	109	1142
Machinery	-	-	-	-	-	1029	20	5	244	3081
Mining and quarrying	-	-	-	-	-	370	261	14	27	13566
Food and tobacco	4	-	-	-	-	1088	7	-	268	4640
Paper, pulp and print	-	-	-	-	-	297	-	-	34	1079
Wood and wood products	-	-	-	-	-	75	-	-	25	1661
Construction	-	-	-	-	-	1481	13	-	297	20301
Textile and leather	11	-	-	-	-	160	-	-	54	1540
Non-specified	2831	-	-	-	160	2695	778	46	1545	9123
TRANSPORT	-	-	-	-	-	17314	756073	101168	13	675655
Domestic aviation	-	-	-	-	-	-	1	101105	2	10
Road	-	-	-	-	-	17144	751343	-	8	619901
Rail	-	-	-	-	-	2	-	-	-	23847
Pipeline transport	-	-	-	-	-	-	6	-	-	24
Domestic navigation	-	-	-	-	-	-	4696	-	2	29467
Non-specified	-	-	-	-	-	168	27	63	1	2406
OTHER	-	-	-	-	-	101054	9487	2658	24486	157803
Residential	-	-	-	-	-	84660	289	-	18436	40445
Comm. and public services	-	-	-	-	-	13760	1910	1450	5222	42668
Agriculture/forestry	-	-	-	-	-	1955	7126	-	659	69573
Fishing	-	-	-	-	-	11	13	-	1	3741
Non-specified	-	-	-	-	-	668	149	1208	168	1376
NON-ENERGY USE	1542	5882	-	-	2069	83724	164	-	1041	6737
in industry/transf./energy	1542	5882	-	-	2069	83724	164	-	1041	6737
of which: chem./petrochem.	1542	5882	-	-	2069	82541	164	-	1021	6737
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

IEA and Accession/Association countries

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁶ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	202834	180540	117819	237666	25919719	104357	1279440	2146246	19696576	7452775
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	178269	107511	45621	47431	352242	15257	-	28824	540791	244
Exports	-164578	-45678	-52384	-61638	-137107	-13760	-	-2627	-487054	-213
Intl. marine bunkers	-124028	-	-	-169	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1468	-445	620	-74	-368	73	-	9	-	-
DOMESTIC SUPPLY	93965	241928	111676	223216	26134486	105927	1279440	2172452	19750313	7452806
Transfers	-12099	-5413	2274	-21333	-	-	-	-	-	-
Statistical differences	2874	-608	-1333	10058	19853	-2	258	-3500	15536	-18231
TRANSFORMATION	31903	28476	13849	7229	5786020	2069	788905	1699982	5192	48883
Electricity plants	26028	187	9209	2235	3269006	1471	448343	954282	-	20313
CHP plants	3189	1116	783	3616	1442591	520	319952	572948	-	-
Heat plants	2088	-	1791	213	199338	78	9883	167909	5192	-
Blast furnaces	48	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	2065	95	-	-	-	4843	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	550	27173	-	1070	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	1	-	875085	-	10727	-	-	28570
ENERGY IND. OWN USE	10887	98	23657	12509	512839	195	26852	6901	1703278	853802
Fuel mining and extraction	519	-	2018	196	26	138	-	2	253633	34060
Oil refineries	10179	98	21583	12140	108	41	16	-	208054	547077
Elec., CHP and heat plants	137	-	56	9	62	-	145	1672	1042587	224473
Pumped storage plants	-	-	-	-	-	-	-	-	128793	-
Other energy ind. own use	52	-	-	164	512643	16	26691	5227	70211	48192
Losses	-	-	115	-	422	-	1641	-	1370206	316239
FINAL CONSUMPTION	41950	207333	74996	192203	19855058	103661	462300	462069	16687173	6215651
INDUSTRY	22786	8093	53522	27767	5942759	946	50306	347360	7106950	3572936
Iron and steel	1203	-	1020	23	2964	2	92	1939	944689	232474
Chemical and petrochemical	5008	8004	1340	13041	19153	57	3573	60193	1092360	1799522
Non-ferrous metals	2144	-	1286	317	1967	1	26	1882	892258	162290
Non-metallic minerals	4091	-	24247	716	169584	32	1290	184082	534158	22874
Transport equipment	163	-	3	24	797	5	33	2	270344	72641
Machinery	633	-	219	151	6108	15	442	242	824955	72965
Mining and quarrying	1229	-	515	42	2259	63	403	-	231478	41271
Food and tobacco	1544	-	96	54	1157405	16	8073	1957	441838	233174
Paper, pulp and print	1965	-	103	54	2389363	523	7157	48717	407155	334024
Wood and wood products	92	-	-	1	315570	13	63	1879	93566	38505
Construction	716	-	-	818	5164	204	45	1157	170520	11708
Textile and leather	878	-	-	19	4025	-	179	2804	323745	348641
Non-specified	3120	89	24693	12507	1868400	15	28930	42506	879884	202847
TRANSPORT	11235	-	-	30	-	101788	5923	-	249574	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	20	-	-	11	-	101396	5902	-	50361	-
Rail	3	-	-	-	-	307	-	-	178712	-
Pipeline transport	-	-	-	19	-	-	-	-	8783	-
Domestic navigation	11169	-	-	-	-	80	-	-	-	-
Non-specified	43	-	-	-	-	5	21	-	11718	-
OTHER	5212	-	23	125	13912299	927	406071	114709	9330649	2642715
Residential	151	-	23	4	13180845	233	306081	-	4335994	1907406
Comm. and public services	2545	-	-	102	508808	416	81899	79427	3714347	565560
Agriculture/forestry	594	-	-	7	213573	265	18056	60	479414	10095
Fishing	104	-	-	11	-	6	-	-	4567	-
Non-specified	1818	-	-	1	9073	7	35	35222	796327	159654
NON-ENERGY USE	2717	199240	21451	164281	-	-	-	-	-	-
in industry/transf./energy	2717	199240	21424	121440	-	-	-	-	-	-
of which: chem./petrochem.	2717	199082	722	24089	-	-	-	-	-	-
in transport	-	-	-	9369	-	-	-	-	-	-
in other	-	-	27	33472	-	-	-	-	-	-

6. Includes both primary and secondary solid biofuels.

IEA and Accession/Association countries: provisional energy supply for 2017

SUPPLY	Coal (kt)					Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)	
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas			Recovered gases ¹
Production	888733	3945869	727945	589066	..	..	..	..	..	..	63590106
From other sources	..	224611	..	..	..	..	..	..	..	..	..
Imports	270123	777370	91768	1627	..	..	..	..	..	..	39372257
Exports	-265793	-412836	-256700	-1311	..	..	..	..	..	..	-20099827
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..	..
Stock changes	-7262	32620	5654	-2934	..	..	..	..	..	..	..
DOMESTIC SUPPLY	885801	4567634	568667	586448	..	..	..	..	..	..	..

SUPPLY	Oil (kt)									
	Crude oil ³	NGL	Feed- stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	1350826	160093	..	..	..	..	..	..	..	..
From other sources	12928	-	..	..	..	..	..	..	..	..
Imports	..	..	..	..	..	..	..	..	..	..
Exports	..	..	..	..	..	..	..	..	..	..
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..
Stock changes	..	..	..	..	..	..	..	..	..	..
DOMESTIC SUPPLY	..	..	..	..	..	..	..	..	..	..
Transfers	..	..	..	..	..	..	..	..	..	..

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio- fuels ⁶ (TJ)	Liquid bio- fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production
From other sources
Imports
Exports
Intl. marine bunkers
Intl. aviation bunkers
Stock changes
DOMESTIC SUPPLY
Transfers

1. Includes blast furnace gas and other recovered gases.

2. The peat column also includes the quantities of oil shale for Estonia.

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

6. Includes both primary and secondary solid biofuels.

OECD Total

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	289524	545329	360057	526147	112355	8038	74758	912668	1511816	22847	50816443
From other sources	-	1414	-	-	412	-	1404	5056	207	-	149925
Imports	137330	451418	12523	1386	14685	1059	-	-	-	102	30775470
Exports	-258886	-263932	-2887	-1383	-13734	-1423	-	-	-	-29	-16255778
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-2244
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	5442	43377	16876	-1032	669	15	-	-	-	6101	797459
DOMESTIC SUPPLY	173410	777606	386569	525118	114387	7689	76162	917724	1512023	29021	66281275
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1186	3788	9208	599	-2193	229	-13	-3391	-31104	3	-16481
TRANSFORMATION	170190	692983	384322	509729	92928	980	74486	198818	665460	27217	25635247
Electricity plants	2856	580639	380252	374796	54	348	2600	122022	471493	16507	19724744
CHP plants	497	77238	3174	112705	5	559	19308	72967	190835	4472	5085044
Heat plants	75	5851	6	316	2	73	3	3829	3132	959	388317
Blast furnaces	25004	13048	-	1	92226	-	-	-	-	-	516
Gas works	-	-	-	6809	75	-	-	-	-	664	1139
Coke/pat.fuel/BKB/PB plants	141758	16206	890	15102	157	-	-	-	-	261	1238
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	4354	-
Other transformation	-	1	-	-	409	-	52575	-	-	-	434249
ENERGY IND. OWN USE	140	913	55	1931	111	11	275	281276	340956	92	6313825
Fuel mining and extraction	44	88	55	858	-	1	275	120	848	32	4243963
Oil refineries	-	36	-	-	-	-	-	857	-	-	1596192
Elec., CHP and heat plants	12	789	-	370	-	-	-	325	62	7	143276
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	84	-	-	703	111	10	-	279974	340046	53	330394
Losses	2	31	-	47	-	-	109	4682	50308	-	80855
FINAL CONSUMPTION	1892	87467	11400	14010	19155	6927	1279	429557	424195	1715	34234868
INDUSTRY	1801	64972	10660	8148	16335	3695	261	429376	423447	723	12293098
Iron and steel	1297	9824	-	19	13433	284	-	358451	411834	-	1161096
Chemical and petrochemical	-	12570	1178	1892	772	294	187	30665	6042	9	3470309
Non-ferrous metals	-	1211	1829	372	483	-	-	59	2557	-	545475
Non-metallic minerals	-	25340	1545	1128	756	2407	-	8107	3013	49	1266050
Transport equipment	-	319	-	28	111	-	-	1854	-	-	397804
Machinery	-	155	1	94	48	-	-	681	1	-	848796
Mining and quarrying	-	289	117	68	121	132	3	420	-	3	211641
Food and tobacco	9	4419	4191	2074	200	182	39	-	-	2	1781147
Paper, pulp and print	-	6528	721	301	-	319	-	-	-	654	936346
Wood and wood products	1	85	26	24	-	-	-	-	-	6	114672
Construction	-	29	2	30	2	9	-	-	-	-	143833
Textile and leather	-	445	3	1452	-	-	-	-	-	-	215196
Non-specified	494	3758	1047	666	409	68	32	29139	-	-	1200733
TRANSPORT	-	18	-	1	-	-	-	-	-	-	1214022
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	194348
Rail	-	18	-	1	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1012990
Domestic navigation	-	-	-	-	-	-	-	-	-	-	4507
Non-specified	-	-	-	-	-	-	-	-	-	-	2177
OTHER	1	21872	740	5758	392	2617	1018	-	-	785	18977065
Residential	-	13416	208	4614	201	2531	699	-	-	583	11670176
Comm. and public services	1	6857	475	994	170	52	319	-	-	14	6991241
Agriculture/forestry	-	1549	56	130	11	34	-	-	-	188	268935
Fishing	-	2	-	-	-	-	-	-	-	-	1956
Non-specified	-	48	1	20	10	-	-	-	-	-	44757
NON-ENERGY USE	90	605	-	103	2428	615	-	181	748	207	1750683
in industry/transf./energy	2	557	-	103	2333	615	-	181	748	207	1750683
of which: chem./petrochem.	-	29	-	-	1944	-	-	71	748	-	1750630
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	88	48	-	-	95	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. The peat column also includes the quantities of oil shale for Estonia and Israel.

OECD Total

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ^a	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	914434	141035	-	3362	57150	36109	596083	157804	29590	634237
From other sources	8884	-	32214	3002	-	-	-	-	-	-
Imports	1324462	19502	59407	6932	-	54432	93799	52265	4196	191042
Exports	-371899	-14479	-21364	-3507	-	-46984	-133124	-40755	-3127	-203815
Intl. marine bunkers	-	-	-	-	-	-	-	-	-98	-16035
Intl. aviation bunkers	-	-	-	-	-	-	-	-94907	-	-
Stock changes	-1299	-522	259	-50	-	1048	-1442	-751	208	-39
DOMESTIC SUPPLY	1874582	145536	70516	9739	57150	44605	555316	73656	30769	605390
Transfers	-8674	-103847	29394	-5439	10127	95761	18835	2997	-8237	1721
Statistical differences	5263	-3117	668	-39	186	-129	-416	-1547	-589	4661
TRANSFORMATION	1871027	33231	100578	4261	7418	5793	108	9	479	7092
Electricity plants	2384	1	-	-	3444	605	26	9	238	6153
CHP plants	-	-	-	-	3084	155	-	-	-	311
Heat plants	-	-	-	-	254	22	-	-	2	221
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1868643	32028	100578	4261	-	-	-	-	-	-
Petrochemical plants	-	1202	-	-	486	3540	82	-	239	404
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	150	1471	-	-	-	3
ENERGY IND. OWN USE	112	-	-	-	55628	1230	1003	38	45	12591
Fuel mining and extraction	51	-	-	-	5343	353	988	-	25	11695
Oil refineries	-	-	-	-	50285	620	15	38	1	837
Elec., CHP and heat plants	61	-	-	-	-	253	-	-	17	40
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	4	-	-	2	19
Losses	-	-	-	-	39	-	-	-	-	-
FINAL CONSUMPTION	32	5341	-	-	4378	133214	572624	75059	21419	592089
INDUSTRY	32	2	-	-	2995	10184	1184	66	2784	39269
Iron and steel	-	-	-	-	-	710	-	-	107	530
Chemical and petrochemical	17	2	-	-	2989	2262	130	-	162	2829
Non-ferrous metals	-	-	-	-	-	185	-	-	47	308
Non-metallic minerals	-	-	-	-	-	860	1	-	97	2061
Transport equipment	-	-	-	-	-	231	2	1	78	603
Machinery	-	-	-	-	-	741	20	5	192	1285
Mining and quarrying	-	-	-	-	-	329	261	14	20	8720
Food and tobacco	4	-	-	-	-	804	6	-	262	2180
Paper, pulp and print	-	-	-	-	-	217	-	-	29	512
Wood and wood products	-	-	-	-	-	69	-	-	24	1279
Construction	-	-	-	-	-	1318	13	-	197	13989
Textile and leather	11	-	-	-	-	74	-	-	52	255
Non-specified	-	-	-	-	6	2384	751	46	1517	4718
TRANSPORT	-	-	-	-	-	14731	564216	72334	13	438400
Domestic aviation	-	-	-	-	-	-	1	72271	2	10
Road	-	-	-	-	-	14562	559486	-	8	410624
Rail	-	-	-	-	-	1	-	-	-	17134
Pipeline transport	-	-	-	-	-	-	6	-	-	23
Domestic navigation	-	-	-	-	-	-	4696	-	2	10086
Non-specified	-	-	-	-	-	168	27	63	1	523
OTHER	-	-	-	-	-	31285	7204	2659	17607	108027
Residential	-	-	-	-	-	20494	294	-	12555	36776
Comm. and public services	-	-	-	-	-	8846	1911	1450	4144	31373
Agriculture/forestry	-	-	-	-	-	1789	4837	-	637	34606
Fishing	-	-	-	-	-	11	13	-	1	3885
Non-specified	-	-	-	-	-	145	149	1209	270	1387
NON-ENERGY USE	-	5339	-	-	1383	77014	20	-	1015	6393
in industry/transf./energy	-	5339	-	-	1383	77014	20	-	1015	6393
of which: chem./petrochem.	-	5339	-	-	1383	76938	20	-	995	6393
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

OECD Total

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁶ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	148831	102874	78952	126316	7652867	70110	920448	1870276	11006925	3208533
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	87337	81349	25805	28718	354605	14640	-	29856	475748	244
Exports	-112680	-34255	-45652	-47420	-175039	-11908	-	-2627	-478282	-213
Intl. marine bunkers	-62382	-	-	-169	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1437	-129	152	496	-193	-111	-	144	-	-
DOMESTIC SUPPLY	62543	149839	59257	107941	7832240	72731	920448	1897649	11004391	3208564
Transfers	-10133	-4695	2274	-15114	-	-	-	-	-	-
Statistical differences	365	212	-1822	16992	19853	111	258	-3006	15691	-17665
TRANSFORMATION	26431	25649	9554	6796	2226201	1788	757619	1428796	5398	45541
Electricity plants	22380	127	7693	2206	937835	1189	413994	731212	-	16971
CHP plants	2950	1116	783	3384	1087120	521	323015	573305	-	-
Heat plants	503	-	-	41	187920	78	9883	119436	5398	-
Blast furnaces	48	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	1077	95	-	-	-	4843	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	550	24406	-	1070	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	1	-	13326	-	10727	-	-	28570
ENERGY IND. OWN USE	7603	41	23657	2990	508	195	26852	6901	835879	359198
Fuel mining and extraction	152	-	2018	2	26	138	-	2	111807	5405
Oil refineries	7274	41	21583	2824	108	41	16	-	116462	160038
Elec., CHP and heat plants	126	-	56	-	62	-	145	1672	473808	146256
Pumped storage plants	-	-	-	-	-	-	-	-	86117	-
Other energy ind. own use	51	-	-	164	312	16	26691	5227	47685	47499
Losses	-	-	-	-	422	-	1641	-	666704	276573
FINAL CONSUMPTION	18741	119666	26498	100033	5624962	70859	134594	458946	9512101	2509587
INDUSTRY	9889	4563	17490	2212	2706042	946	25286	344237	3030980	1046784
Iron and steel	377	-	849	4	410	2	92	1939	320428	29451
Chemical and petrochemical	2528	4474	1251	1276	18463	57	3595	59896	452915	486824
Non-ferrous metals	323	-	654	236	1967	1	26	1882	281137	9892
Non-metallic minerals	1558	-	11521	498	71577	32	1290	184425	171405	9877
Transport equipment	123	-	3	2	804	5	33	2	156038	30454
Machinery	247	-	219	44	6286	15	442	242	360825	27804
Mining and quarrying	695	-	9	40	2268	63	403	-	121617	4926
Food and tobacco	977	-	-	51	185838	16	8075	1957	263272	82083
Paper, pulp and print	1471	-	103	49	2015088	523	7157	48717	296144	128708
Wood and wood products	84	-	-	1	329852	13	63	1879	57041	30567
Construction	187	-	-	5	5229	204	45	1157	97273	2268
Textile and leather	248	-	-	1	1561	-	194	2804	71861	28506
Non-specified	1071	89	2881	5	66699	15	3871	39337	381024	175424
TRANSPORT	5210	-	-	30	-	68986	5994	-	113627	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	18	-	-	11	-	68590	5973	-	6732	-
Rail	-	-	-	-	-	309	-	-	86844	-
Pipeline transport	-	-	-	19	-	-	-	-	8266	-
Domestic navigation	5191	-	-	-	-	80	-	-	-	-
Non-specified	1	-	-	-	-	7	21	-	11785	-
OTHER	2057	-	23	120	2918920	927	103314	114709	6367494	1462803
Residential	151	-	23	-	2623334	233	2957	-	2958447	956297
Comm. and public services	1357	-	-	101	182007	416	82070	79427	3028339	488026
Agriculture/forestry	366	-	-	7	104499	265	18252	60	143132	9518
Fishing	138	-	-	11	7	6	-	-	4634	1513
Non-specified	45	-	-	1	9073	7	35	35222	232942	7449
NON-ENERGY USE	1585	115103	8985	97671	-	-	-	-	-	-
in industry/transf./energy	1585	115103	8958	82903	-	-	-	-	-	-
of which: chem./petrochem.	1585	114945	722	12202	-	-	-	-	-	-
in transport	-	-	-	7733	-	-	-	-	-	-
in other	-	-	27	7035	-	-	-	-	-	-

6. Includes both primary and secondary solid biofuels.

OECD Total: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	306395	550918	379193	527198	112916	8118	70855	911569	1505795	27541	51975565
From other sources	-	1322	-	-	343	-	1187	3707	549	-	136920
Imports	137883	460515	14948	1447	13582	1012	-	-	-	84	33487936
Exports	-261656	-265603	-7905	-1311	-13918	-1525	-	-	-	-29	-18807870
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-8081	19130	5500	-2806	395	12	-	-	-	2031	108633
DOMESTIC SUPPLY	174541	766282	391736	524528	113318	7617	72042	915276	1506344	29627	66901184

SUPPLY	Oil (kt)									
	Crude oil ³	NGL	Feed- stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	939231	143624	-	3424	55057	37683	592082	164686	29485	645069
From other sources	9189	-	33487	2954	-	-	-	-	-	-
Imports	1354234	15032	59025	6658	-	52687	95879	53871	4465	193540
Exports	-408441	-14304	-25088	-3462	-	-55128	-139635	-43201	-3388	-217522
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-16479
Intl. aviation bunkers	-	-	-	-	-	-	-	-99776	-	-
Stock changes	17359	380	-151	59	-	-88	264	360	-256	7094
DOMESTIC SUPPLY	1911572	144732	67273	9633	55057	35154	548590	75940	30306	611702
Transfers	-8638	-106103	29306	-4711	9303	97358	19244	3047	-8341	3911

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio- fuels ⁶ (TJ)	Liquid bio- fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	149566	106848	77537	128047	7793625	72915	931967	1875967	11032579	3159412
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	71138	86552	24725	47236	358510	15039	-	32034	474121	260
Exports	-96484	-33432	-45926	-69405	-173685	-13878	-42	-2627	-495363	-219
Intl. marine bunkers	-64590	-	-	-242	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	3755	-485	-233	-817	3815	103	-	-19	-	-
DOMESTIC SUPPLY	63385	159483	56103	104819	7982265	74179	931925	1905355	11011337	3159453
Transfers	-13003	-7688	1838	-10673	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.
2. The peat column also includes the quantities of oil shale for Estonia and Israel.
3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.
4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.
5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.
6. Includes both primary and secondary solid biofuels.

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2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	79551	249256	330853	76751	14829	-	52575	95194	149339	-	37439074
From other sources	-	772	-	-	-	-	213	-	-	-	63545
Imports	5244	24889	4886	100	2295	4	-	-	-	-	5850003
Exports	-65170	-17716	-2887	-105	-1097	-	-	-	-	-	-5664688
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	2456	23725	15920	-362	655	-	-	-	-	-	436926
DOMESTIC SUPPLY	22081	280926	348772	76384	16682	4	52788	95194	149339	-	38124860
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1033	974	9311	-2110	-91	-	-11	-	-	-	-649204
TRANSFORMATION	20254	264045	350293	73072	11904	-	52575	4410	25996	-	14341320
Electricity plants	-	252258	347944	67663	-	-	-	1725	7220	-	11771719
CHP plants	-	10714	2349	2	-	-	-	2651	18776	-	2226098
Heat plants	-	-	-	-	-	-	-	34	-	-	-
Blast furnaces	-	1073	-	-	11904	-	-	-	-	-	-
Gas works	-	-	-	5407	-	-	-	-	-	-	126
Coke/pat.fuel/BKB/PB plants	20254	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	52575	-	-	-	343377
ENERGY IND. OWN USE	-	50	1	-	82	-	-	30505	38033	-	4629377
Fuel mining and extraction	-	50	1	-	-	-	-	-	-	-	3461627
Oil refineries	-	-	-	-	-	-	-	-	-	-	1143349
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	82	-	-	30505	38033	-	24401
Losses	-	-	-	-	-	-	-	236	294	-	2572
FINAL CONSUMPTION	794	17805	7789	1202	4605	4	202	60043	85016	-	18502387
INDUSTRY	794	17279	7341	1107	4477	4	16	60043	85016	-	7012274
Iron and steel	300	389	-	-	4355	-	-	30929	85016	-	565978
Chemical and petrochemical	-	3073	1178	404	-	-	-	-	-	-	2357160
Non-ferrous metals	-	270	-	-	-	-	-	-	-	-	204669
Non-metallic minerals	-	7388	948	-	70	-	-	-	-	-	508421
Transport equipment	-	2	-	-	-	-	-	-	-	-	210650
Machinery	-	76	-	-	-	-	-	-	-	-	423089
Mining and quarrying	-	112	-	-	44	-	3	-	-	-	170288
Food and tobacco	-	2260	3628	46	6	-	-	-	-	-	943713
Paper, pulp and print	-	2317	540	-	-	-	-	-	-	-	560525
Wood and wood products	-	-	-	-	-	-	-	-	-	-	69165
Construction	-	-	-	-	-	-	-	-	-	-	37669
Textile and leather	-	90	-	-	-	-	-	-	-	-	52693
Non-specified	494	1302	1047	657	2	4	13	29114	-	-	908254
TRANSPORT	-	-	-	-	-	-	-	-	-	-	979882
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	49888
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	929994
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	525	448	19	-	-	186	-	-	-	9460477
Residential	-	-	-	19	-	-	72	-	-	-	5423548
Comm. and public services	-	523	448	-	-	-	114	-	-	-	3929312
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	107614
Fishing	-	2	-	-	-	-	-	-	-	-	3
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	1	-	76	128	-	-	-	-	-	1049754
in industry/transf./energy	-	1	-	76	34	-	-	-	-	-	1049754
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	1049754
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	94	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	753063	125017	-	274	21960	12592	406111	83662	1620	275783
From other sources	6462	-	62	2775	-	-	-	-	-	-
Imports	443153	2271	30535	5425	-	10259	57151	12001	230	24549
Exports	-253752	-11785	-9000	-3056	-	-29847	-40300	-8630	-427	-65123
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-4084
Intl. aviation bunkers	-	-	-	-	-	-	-	-27746	-	-
Stock changes	-4241	-439	342	-75	-	845	-835	-627	80	-306
DOMESTIC SUPPLY	944685	115064	21939	5343	21960	-6151	422127	58660	1503	230819
Transfers	-7966	-89060	12464	-4098	5356	84198	6302	-6	8	2754
Statistical differences	4950	-3139	-366	56	1	404	2162	-743	-568	3990
TRANSFORMATION	941669	20166	34037	1301	1534	367	26	9	36	2703
Electricity plants	-	-	-	-	401	1	26	9	36	2626
CHP plants	-	-	-	-	1133	74	-	-	-	77
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	941669	20166	34037	1301	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	292	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	24726	546	1003	38	22	9462
Fuel mining and extraction	-	-	-	-	5343	266	988	-	21	8645
Oil refineries	-	-	-	-	19383	280	15	38	1	816
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	1
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	2699	-	-	1057	77538	429562	57864	885	225398
INDUSTRY	-	-	-	-	-	4358	1004	60	38	21171
Iron and steel	-	-	-	-	-	63	-	-	-	122
Chemical and petrochemical	-	-	-	-	-	936	-	-	-	1902
Non-ferrous metals	-	-	-	-	-	9	-	-	-	26
Non-metallic minerals	-	-	-	-	-	330	-	-	-	630
Transport equipment	-	-	-	-	-	51	-	-	-	107
Machinery	-	-	-	-	-	286	-	-	-	403
Mining and quarrying	-	-	-	-	-	248	261	14	13	5346
Food and tobacco	-	-	-	-	-	122	-	-	-	469
Paper, pulp and print	-	-	-	-	-	51	-	-	-	164
Wood and wood products	-	-	-	-	-	40	-	-	-	1053
Construction	-	-	-	-	-	1234	-	-	7	8341
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	988	743	46	18	2608
TRANSPORT	-	-	-	-	-	1609	422205	57318	5	162495
Domestic aviation	-	-	-	-	-	-	-	57271	-	3
Road	-	-	-	-	-	1609	418071	-	5	143835
Rail	-	-	-	-	-	-	-	-	-	13923
Pipeline transport	-	-	-	-	-	-	6	-	-	20
Domestic navigation	-	-	-	-	-	-	4107	-	-	4668
Non-specified	-	-	-	-	-	-	21	47	-	46
OTHER	-	-	-	-	-	15443	6353	486	842	37203
Residential	-	-	-	-	-	10257	-	-	404	10577
Comm. and public services	-	-	-	-	-	4070	1759	486	435	10686
Agriculture/forestry	-	-	-	-	-	1112	4594	-	3	15754
Fishing	-	-	-	-	-	4	-	-	-	186
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	2699	-	-	1057	56128	-	-	-	4529
in industry/transf./energy	-	2699	-	-	1057	56128	-	-	-	4529
of which: chem./petrochem.	-	2699	-	-	1057	56092	-	-	-	4529
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

OECD Americas

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	41406	15173	64714	52723	3238592	52779	177500	362288	5389137	533561
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	14636	1519	7005	7004	4636	4411	-	-	81135	-
Exports	-26814	-2500	-38151	-8144	-38207	-4164	-	-	-84754	-
Intl. marine bunkers	-14639	-	-	-1	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	16	30	368	404	-467	-242	-	-	-	-
DOMESTIC SUPPLY	14605	14222	33936	51986	3204554	52784	177500	362288	5385518	533561
Transfers	-270	-575	2035	-10575	-	-	-	-	-	-
Statistical differences	1532	1102	-1228	14833	9165	-1	-1	-	-5035	-
TRANSFORMATION	9516	62	6059	183	782647	102	169227	315881	-	-
Electricity plants	8606	-	5631	129	363488	44	145844	264298	-	-
CHP plants	910	-	428	54	414571	58	19695	47346	-	-
Heat plants	-	-	-	-	-	-	3688	4237	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	62	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	4588	-	-	-	-	-
ENERGY IND. OWN USE	1329	21	18252	1257	-	138	78	-	414893	169452
Fuel mining and extraction	68	-	2018	-	-	138	-	-	73696	-
Oil refineries	1253	21	16234	1257	-	-	-	-	54195	67852
Elec., CHP and heat plants	-	-	-	-	-	-	78	-	241743	101600
Pumped storage plants	-	-	-	-	-	-	-	-	29339	-
Other energy ind. own use	8	-	-	-	-	-	-	-	15920	-
Losses	-	-	-	-	422	-	687	-	342664	60960
FINAL CONSUMPTION	5022	14666	10432	54804	2430650	52543	7507	46407	4622926	303149
INDUSTRY	2241	20	9180	-	1513286	827	3152	27413	1155208	242109
Iron and steel	61	-	58	-	-	2	61	-	54927	8108
Chemical and petrochemical	344	20	237	-	2142	42	234	8237	151983	145376
Non-ferrous metals	-	-	610	-	-	1	-	-	119383	4300
Non-metallic minerals	94	-	5253	-	17379	18	-	6048	55779	164
Transport equipment	36	-	-	-	-	2	27	-	50284	5304
Machinery	3	-	218	-	-	10	-	-	97311	3976
Mining and quarrying	541	-	-	-	-	55	-	-	78414	-
Food and tobacco	127	-	-	-	55362	9	109	300	88777	24326
Paper, pulp and print	552	-	32	-	1359777	517	2540	9453	125851	22392
Wood and wood products	47	-	-	-	51613	11	-	-	21584	11155
Construction	19	-	-	-	-	151	-	-	66198	33
Textile and leather	-	-	-	-	-	-	-	-	18774	6412
Non-specified	417	-	2772	-	27013	9	181	3375	225943	10563
TRANSPORT	1557	-	-	-	-	51054	-	-	19641	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	6	-	-	-	-	50706	-	-	5085	-
Rail	-	-	-	-	-	274	-	-	8435	-
Pipeline transport	-	-	-	-	-	-	-	-	6076	-
Domestic navigation	1551	-	-	-	-	74	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	45	-
OTHER	1224	-	-	-	917364	662	4355	18994	3448077	61040
Residential	9	-	-	-	822920	223	-	-	1646587	-
Comm. and public services	889	-	-	-	55488	210	4324	18994	1511717	60206
Agriculture/forestry	260	-	-	-	38956	229	31	-	62456	1
Fishing	66	-	-	-	-	-	-	-	85	-
Non-specified	-	-	-	-	-	-	-	-	227232	833
NON-ENERGY USE	-	14646	1252	54804	-	-	-	-	-	-
in industry/transf./energy	-	14646	1252	44362	-	-	-	-	-	-
of which: chem./petrochem.	-	14646	-	1755	-	-	-	-	-	-
in transport	-	-	-	4426	-	-	-	-	-	-
in other	-	-	-	6016	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

OECD Americas: provisional energy supply for 2017

SUPPLY	Coal (kt)					Coal gases (TJ)			Peat (kt)	Natural gas (TJ)	
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas			Recovered gases ¹
Production	96853	259382	347737	73232	15858	-	49683	95353	147570	-	37826321
From other sources	-	699	-	-	-	-	213	-	-	-	53248
Imports	5155	24355	6433	108	2086	2	-	-	-	-	6316978
Exports	-79071	-32895	-7861	-105	-1247	-	-	-	-	-	-6703352
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	535	10847	4787	215	-21	-	-	-	-	-	226145
DOMESTIC SUPPLY	23472	262388	351096	73450	16676	2	49896	95353	147570	-	37719340

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	782766	126807	-	189	20814	12697	402388	86881	1144	280202
From other sources	6552	-	52	2635	-	-	-	-	-	-
Imports	443721	2000	31790	5299	-	10264	58384	11662	153	26350
Exports	-287878	-11565	-13216	-2969	-	-37154	-43538	-9340	-282	-74375
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-5141
Intl. aviation bunkers	-	-	-	-	-	-	-	-28914	-	-
Stock changes	14870	419	-735	-7	-	163	-100	86	8	2414
DOMESTIC SUPPLY	960031	117661	17891	5147	20814	-14030	417134	60375	1023	229450
Transfers	-7966	-89820	10432	-3760	4390	85163	6013	12	-18	2941

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	42020	14512	63100	54138	3268929	53999	172594	334005	5329981	509707
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	14506	1529	6178	8470	4450	3525	-	-	77746	-
Exports	-26047	-2286	-38871	-13205	-34420	-4697	-	-	-85371	-
Intl. marine bunkers	-17077	-	-	-1	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1831	55	-513	168	-	22	-	-	-	-
DOMESTIC SUPPLY	15233	13810	29894	49570	3238959	52849	172594	334005	5322356	509707
Transfers	-650	-233	2035	-8067	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	190473	226946	27022	61786	53320	1255	-	467916	775897	423	4043232
From other sources	-	-	-	-	412	-	39	3760	-	-	70072
Imports	83568	239193	6948	-	2563	41	-	-	-	-	6710217
Exports	-189185	-201305	-	-	-1738	-	-	-	-	-	-2004742
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	2837	1957	186	-6	-72	-18	-	-	-	-	73329
DOMESTIC SUPPLY	87693	266791	34156	61780	54485	1278	39	471676	775897	423	8892108
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-621	4292	-76	952	-1311	-	-	5428	-26070	-	477768
TRANSFORMATION	86324	243934	30876	62409	46222	21	-	100338	359145	423	5362498
Electricity plants	-	218696	29503	61145	54	21	-	83151	276565	423	4943200
CHP plants	-	9194	483	1264	-	-	-	17187	82580	-	396213
Heat plants	-	-	-	-	-	-	-	-	-	-	17522
Blast furnaces	21613	61	-	-	46168	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	39
Coke/pat.fuel/BKB/PB plants	64711	15983	890	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	5524
ENERGY IND. OWN USE	44	504	52	3	-	-	-	120904	174388	-	703999
Fuel mining and extraction	44	-	52	3	-	-	-	-	-	-	268960
Oil refineries	-	-	-	-	-	-	-	-	-	-	27891
Elec., CHP and heat plants	-	504	-	-	-	-	-	16	2	-	142442
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	120888	174386	-	264706
Losses	-	-	-	-	-	-	-	-	264	-	639
FINAL CONSUMPTION	704	26645	3152	320	6952	1257	39	255862	216030	-	3302740
INDUSTRY	703	26623	3066	253	5681	1	-	255681	216030	-	1314788
Iron and steel	696	5647	-	-	4055	-	-	222801	208363	-	197051
Chemical and petrochemical	-	4947	-	-	564	-	-	27787	4209	-	254247
Non-ferrous metals	-	573	1829	-	341	-	-	-	1355	-	159732
Non-metallic minerals	-	10039	385	-	200	-	-	5093	2103	-	118671
Transport equipment	-	3	-	-	101	-	-	-	-	-	57960
Machinery	-	-	-	-	1	-	-	-	-	-	108659
Mining and quarrying	-	1	117	-	75	-	-	-	-	-	10713
Food and tobacco	6	372	563	252	3	1	-	-	-	-	160916
Paper, pulp and print	-	2951	143	-	-	-	-	-	-	-	54763
Wood and wood products	1	6	26	1	-	-	-	-	-	-	10741
Construction	-	-	-	-	-	-	-	-	-	-	6832
Textile and leather	-	108	3	-	-	-	-	-	-	-	28454
Non-specified	-	1976	-	-	341	-	-	-	-	-	146049
TRANSPORT	-	2	-	-	-	-	-	-	-	-	72017
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	63108
Rail	-	2	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	8356
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	553
OTHER	1	19	86	67	101	1256	39	-	-	-	1811546
Residential	-	-	8	10	-	1256	-	-	-	-	992720
Comm. and public services	1	17	23	55	101	-	39	-	-	-	810459
Agriculture/forestry	-	1	55	2	-	-	-	-	-	-	4251
Fishing	-	-	-	-	-	-	-	-	-	-	20
Non-specified	-	1	-	-	-	-	-	-	-	-	4096
NON-ENERGY USE	-	1	-	-	1170	-	-	181	-	-	104389
in industry/transf./energy	-	1	-	-	1170	-	-	181	-	-	104389
of which: chem./petrochem.	-	1	-	-	1166	-	-	71	-	-	104389
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. The peat column also includes the quantities of oil shale for Israel.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ^a	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	16916	2057	-	674	13400	7193	69770	37603	15858	105298
From other sources	132	-	14659	-	-	-	-	-	-	-
Imports	332545	6004	4651	98	-	18560	7290	5246	1321	16869
Exports	-12171	-5	-959	-2	-	-1516	-11808	-16743	-995	-33606
Intl. marine bunkers	-	-	-	-	-	-	-	-	-98	-1536
Intl. aviation bunkers	-	-	-	-	-	-	-	-16524	-	-
Stock changes	1045	1	-102	-4	-	-79	-75	-246	92	26
DOMESTIC SUPPLY	338467	8057	18249	766	13400	24158	65177	9336	16178	87051
Transfers	7	-1817	-2485	-726	254	2170	809	228	-108	252
Statistical differences	876	-	213	-40	20	-1067	-387	-582	-34	410
TRANSFORMATION	339206	6149	15977	-	2854	3498	-	-	202	1901
Electricity plants	2384	1	-	-	2854	538	-	-	200	1901
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	2	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	336822	6148	15977	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	1781	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	1179	-	-	-	-
ENERGY IND. OWN USE	112	-	-	-	10820	471	-	-	23	2425
Fuel mining and extraction	51	-	-	-	-	87	-	-	4	2373
Oil refineries	-	-	-	-	10820	127	-	-	-	6
Elec., CHP and heat plants	61	-	-	-	-	253	-	-	17	28
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	4	-	-	2	18
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	32	91	-	-	-	21292	65599	8982	15811	83387
INDUSTRY	32	2	-	-	-	2519	14	-	1283	9188
Iron and steel	-	-	-	-	-	340	-	-	107	255
Chemical and petrochemical	17	2	-	-	-	319	-	-	150	514
Non-ferrous metals	-	-	-	-	-	84	-	-	47	206
Non-metallic minerals	-	-	-	-	-	242	-	-	89	751
Transport equipment	-	-	-	-	-	103	-	-	54	200
Machinery	-	-	-	-	-	199	1	-	191	273
Mining and quarrying	-	-	-	-	-	32	-	-	4	2430
Food and tobacco	4	-	-	-	-	229	5	-	205	971
Paper, pulp and print	-	-	-	-	-	41	-	-	28	143
Wood and wood products	-	-	-	-	-	2	-	-	24	67
Construction	-	-	-	-	-	25	-	-	190	2459
Textile and leather	11	-	-	-	-	40	-	-	51	113
Non-specified	-	-	-	-	-	863	8	-	143	806
TRANSPORT	-	-	-	-	-	5100	65386	7586	5	58176
Domestic aviation	-	-	-	-	-	-	-	7586	2	7
Road	-	-	-	-	-	5095	65111	-	3	55030
Rail	-	-	-	-	-	1	-	-	-	1374
Pipeline transport	-	-	-	-	-	-	-	-	-	2
Domestic navigation	-	-	-	-	-	-	270	-	-	1588
Non-specified	-	-	-	-	-	4	5	-	-	175
OTHER	-	-	-	-	-	7256	199	1396	13792	15876
Residential	-	-	-	-	-	5043	1	-	9209	852
Comm. and public services	-	-	-	-	-	2128	10	964	3699	7165
Agriculture/forestry	-	-	-	-	-	62	186	-	627	5065
Fishing	-	-	-	-	-	3	2	-	1	2283
Non-specified	-	-	-	-	-	20	-	432	256	511
NON-ENERGY USE	-	89	-	-	-	6417	-	-	731	147
in industry/transf./energy	-	89	-	-	-	6417	-	-	731	147
of which: chem./petrochem.	-	89	-	-	-	6417	-	-	727	147
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁶ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	31865	47260	2063	20103	598585	1135	34162	410942	1987151	244949
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	9628	42906	5722	1545	23003	586	-	-	-	-
Exports	-7722	-6239	-156	-8553	-	-	-	-	-5553	-
Intl. marine bunkers	-14254	-	-	-22	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	443	9	-13	114	-	-	-	-	-	-
DOMESTIC SUPPLY	19960	83936	7616	13187	621588	1721	34162	410942	1981598	244949
Transfers	-650	2808	-	2653	-	-	-	-	-	-
Statistical differences	1029	-1491	-397	-195	10335	-	34	-3007	22662	-14633
TRANSFORMATION	10749	13997	1948	1831	221050	395	24771	196454	1002	2913
Electricity plants	10340	127	1104	1588	189185	395	17052	165351	-	2913
CHP plants	232	1116	327	24	29396	-	7602	5140	-	-
Heat plants	177	-	-	-	1466	-	-	21120	1002	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	517	95	-	-	-	4843	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	12754	-	124	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	1003	-	117	-	-	-
ENERGY IND. OWN USE	2671	20	766	366	-	-	4055	-	128855	4148
Fuel mining and extraction	16	-	-	2	-	-	-	-	14587	-
Oil refineries	2491	20	710	200	-	-	-	-	25910	1174
Elec., CHP and heat plants	126	-	56	-	-	-	-	-	69432	2974
Pumped storage plants	-	-	-	-	-	-	-	-	13961	-
Other energy ind. own use	38	-	-	164	-	-	4055	-	4965	-
Losses	-	-	-	-	-	-	-	-	83263	2638
FINAL CONSUMPTION	6919	71236	4505	13448	410873	1326	5370	211481	1791140	220617
INDUSTRY	3533	3030	2600	1913	306125	-	1973	139480	716243	117291
Iron and steel	179	-	762	4	-	-	-	1763	126543	208
Chemical and petrochemical	988	3030	996	1207	707	-	214	22830	108919	75330
Non-ferrous metals	202	-	4	236	1937	-	-	1421	61388	2
Non-metallic minerals	816	-	765	288	8037	-	296	49428	35790	106
Transport equipment	76	-	-	-	109	-	-	-	52590	297
Machinery	18	-	-	41	196	-	-	-	137799	141
Mining and quarrying	25	-	2	38	9	-	-	-	24081	-
Food and tobacco	69	-	-	50	92550	-	1167	1480	49032	4794
Paper, pulp and print	473	-	71	48	124310	-	98	28494	46899	10225
Wood and wood products	5	-	-	1	75482	-	-	291	8735	387
Construction	51	-	-	-	-	-	-	1067	7165	-
Textile and leather	170	-	-	-	1023	-	40	2804	17587	16669
Non-specified	461	-	-	-	1765	-	158	29902	39715	9132
TRANSPORT	2430	-	-	19	-	1326	-	-	26639	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	12	-	-	-	-	1326	-	-	-	-
Rail	-	-	-	-	-	-	-	-	23738	-
Pipeline transport	-	-	-	19	-	-	-	-	211	-
Domestic navigation	2417	-	-	-	-	-	-	-	-	-
Non-specified	1	-	-	-	-	-	-	-	2690	-
OTHER	424	-	-	59	104748	-	3397	72001	1048258	103326
Residential	112	-	-	-	63393	-	-	-	427705	72020
Comm. and public services	254	-	-	41	29644	-	3391	36754	591222	31306
Agriculture/forestry	30	-	-	7	2638	-	6	25	23554	-
Fishing	18	-	-	11	-	-	-	-	2508	-
Non-specified	10	-	-	-	9073	-	-	35222	3269	-
NON-ENERGY USE	532	68206	1905	11457	-	-	-	-	-	-
in industry/transf./energy	532	68206	1880	9716	-	-	-	-	-	-
of which: chem./petrochem.	532	68203	575	3514	-	-	-	-	-	-
in transport	-	-	-	1321	-	-	-	-	-	-
in other	-	-	25	420	-	-	-	-	-	-

6. Includes both primary and secondary solid biofuels.

OECD Asia Oceania: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	191173	229724	28328	57580	53022	1078	-	467146	765882	449	4779022
From other sources	-	-	-	-	343	-	49	3147	-	-	70433
Imports	83065	253907	7811	-	1793	-	-	-	-	-	6836204
Exports	-178341	-201741	-44	-	-1820	-	-	-	-	-	-2698561
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-8758	4822	167	3	75	9	-	-	-	-	-24594
DOMESTIC SUPPLY	87139	286712	36262	57583	53413	1087	49	470293	765882	449	8962504

SUPPLY	Oil (kt)									
	Crude oil ³	NGL	Feed- stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	14655	2038	-	688	12584	7892	69761	38340	15785	106191
From other sources	132	-	15287	-	-	-	-	-	-	-
Imports	339098	2049	4105	81	-	17689	7811	6005	1829	17528
Exports	-11016	-1	-898	-3	-	-1648	-13116	-17275	-1371	-34275
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1632
Intl. aviation bunkers	-	-	-	-	-	-	-	-17142	-	-
Stock changes	2142	2	259	3	-	-126	289	-271	-328	572
DOMESTIC SUPPLY	345011	4088	18753	769	12584	23807	64745	9657	15915	88384
Transfers	7	-1799	-40	-692	396	2218	806	26	147	583

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio- fuels ⁶ (TJ)	Liquid bio- fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	29124	49795	2087	19825	666804	1163	39397	414221	2021823	238757
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	9543	44598	5896	1683	29903	639	-	-	-	-
Exports	-7105	-5549	-62	-8696	-	-	-	-	-5553	-
Intl. marine bunkers	-13895	-	-	-23	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-176	36	1	-28	-	-	-	-	-	-
DOMESTIC SUPPLY	17491	88880	7922	12761	696707	1802	39397	414221	2016270	238757
Transfers	-688	466	-	1962	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. The peat column also includes the quantities of oil shale for Israel.

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

6. Includes both primary and secondary solid biofuels.

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2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	19500	69127	2182	387610	44206	6783	22183	349558	586580	22424	9334137
From other sources	-	642	-	-	-	-	1152	1296	207	-	16308
Imports	48518	187336	689	1286	9827	1014	-	-	-	102	18215250
Exports	-4531	-44911	-	-1278	-10899	-1423	-	-	-	-29	-8586348
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-2244
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	149	17695	770	-664	86	33	-	-	-	6101	287204
DOMESTIC SUPPLY	63636	229889	3641	386954	43220	6407	23335	350854	586787	28598	19264307
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	468	-1478	-27	1757	-791	229	-2	-8819	-5034	3	154955
TRANSFORMATION	63612	185004	3153	374248	34802	959	21911	94070	280319	26794	5931429
Electricity plants	2856	109685	2805	245988	-	327	2600	37146	187708	16084	3009825
CHP plants	497	57330	342	111439	5	559	19308	53129	89479	4472	2462733
Heat plants	75	5851	6	316	2	73	3	3795	3132	959	370795
Blast furnaces	3391	11914	-	1	34154	-	-	-	-	-	516
Gas works	-	-	-	1402	75	-	-	-	-	664	974
Coke/pat.fuel/BKB/PB plants	56793	223	-	15102	157	-	-	-	-	261	1238
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	4354	-
Other transformation	-	1	-	-	409	-	-	-	-	-	85348
ENERGY IND. OWN USE	96	359	2	1928	29	11	275	129867	128535	92	980449
Fuel mining and extraction	-	38	2	855	-	1	275	120	848	32	513376
Oil refineries	-	36	-	-	-	-	-	857	-	-	424952
Elec., CHP and heat plants	12	285	-	370	-	-	-	309	60	7	834
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	84	-	-	703	29	10	-	128581	127627	53	41287
Losses	2	31	-	47	-	-	109	4446	49750	-	77644
FINAL CONSUMPTION	394	43017	459	12488	7598	5666	1038	113652	123149	1715	12429741
INDUSTRY	304	21070	253	6788	6177	3690	245	113652	122401	723	3966036
Iron and steel	301	3788	-	19	5023	284	-	104721	118455	-	398067
Chemical and petrochemical	-	4550	-	1488	208	294	187	2878	1833	9	858902
Non-ferrous metals	-	368	-	372	142	-	-	59	1202	-	181074
Non-metallic minerals	-	7913	212	1128	486	2407	-	3014	910	49	638958
Transport equipment	-	314	-	28	10	-	-	1854	-	-	129194
Machinery	-	79	1	94	47	-	-	681	1	-	317048
Mining and quarrying	-	176	-	68	2	132	-	420	-	3	30640
Food and tobacco	3	1787	-	1776	191	181	39	-	-	2	676518
Paper, pulp and print	-	1260	38	301	-	319	-	-	-	654	321058
Wood and wood products	-	79	-	23	-	-	-	-	-	6	34766
Construction	-	29	2	30	2	9	-	-	-	-	99332
Textile and leather	-	247	-	1452	-	-	-	-	-	-	134049
Non-specified	-	480	-	9	66	64	19	25	-	-	146430
TRANSPORT	-	16	-	1	-	-	-	-	-	-	162123
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	81352
Rail	-	16	-	1	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	74640
Domestic navigation	-	-	-	-	-	-	-	-	-	-	4507
Non-specified	-	-	-	-	-	-	-	-	-	-	1624
OTHER	-	21328	206	5672	291	1361	793	-	-	785	7705042
Residential	-	13416	200	4585	201	1275	627	-	-	583	5253908
Comm. and public services	-	6317	4	939	69	52	166	-	-	14	2251470
Agriculture/forestry	-	1548	1	128	11	34	-	-	-	188	157070
Fishing	-	-	-	-	-	-	-	-	-	-	1933
Non-specified	-	47	1	20	10	-	-	-	-	-	40661
NON-ENERGY USE	90	603	-	27	1130	615	-	-	748	207	596540
in industry/transf./energy	2	555	-	27	1129	615	-	-	748	207	596540
of which: chem./petrochem.	-	28	-	-	778	-	-	-	748	-	596487
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	88	48	-	-	1	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. The peat column also includes the quantities of oil shale for Estonia.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ³	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	144455	13961	-	2414	21790	16324	120202	36539	12112	253156
From other sources	2290	-	17493	227	-	-	-	-	-	-
Imports	548764	11227	24221	1409	-	25613	29358	35018	2645	149624
Exports	-105976	-2689	-11405	-449	-	-15621	-81016	-15382	-1705	-105086
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-10415
Intl. aviation bunkers	-	-	-	-	-	-	-	-50637	-	-
Stock changes	1897	-84	19	29	-	282	-532	122	36	241
DOMESTIC SUPPLY	591430	22415	30328	3630	21790	26598	68012	5660	13088	287520
Transfers	-715	-12970	19415	-615	4517	9393	11724	2775	-8137	-1285
Statistical differences	-563	22	821	-55	165	534	-2191	-222	13	261
TRANSFORMATION	590152	6916	50564	2960	3030	1928	82	-	241	2488
Electricity plants	-	-	-	-	189	66	-	-	2	1626
CHP plants	-	-	-	-	1951	81	-	-	-	234
Heat plants	-	-	-	-	254	22	-	-	-	221
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	590152	5714	50564	2960	-	-	-	-	-	-
Petrochemical plants	-	1202	-	-	486	1759	82	-	239	404
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	150	-	-	-	-	3
ENERGY IND. OWN USE	-	-	-	-	20082	213	-	-	-	704
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	677
Oil refineries	-	-	-	-	20082	213	-	-	-	15
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	11
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	1
Losses	-	-	-	-	39	-	-	-	-	-
FINAL CONSUMPTION	-	2551	-	-	3321	34384	77463	8213	4723	283304
INDUSTRY	-	-	-	-	2995	3307	166	6	1463	8910
Iron and steel	-	-	-	-	-	307	-	-	-	153
Chemical and petrochemical	-	-	-	-	2989	1007	130	-	12	413
Non-ferrous metals	-	-	-	-	-	92	-	-	-	76
Non-metallic minerals	-	-	-	-	-	288	1	-	8	680
Transport equipment	-	-	-	-	-	77	2	1	24	296
Machinery	-	-	-	-	-	256	19	5	1	609
Mining and quarrying	-	-	-	-	-	49	-	-	3	944
Food and tobacco	-	-	-	-	-	453	1	-	57	740
Paper, pulp and print	-	-	-	-	-	125	-	-	1	205
Wood and wood products	-	-	-	-	-	27	-	-	-	159
Construction	-	-	-	-	-	59	13	-	-	3189
Textile and leather	-	-	-	-	-	34	-	-	1	142
Non-specified	-	-	-	-	6	533	-	-	1356	1304
TRANSPORT	-	-	-	-	-	8022	76625	7430	3	217729
Domestic aviation	-	-	-	-	-	-	1	7414	-	-
Road	-	-	-	-	-	7858	76304	-	-	211759
Rail	-	-	-	-	-	-	-	-	-	1837
Pipeline transport	-	-	-	-	-	-	-	-	-	1
Domestic navigation	-	-	-	-	-	-	319	-	2	3830
Non-specified	-	-	-	-	-	164	1	16	1	302
OTHER	-	-	-	-	-	8586	652	777	2973	54948
Residential	-	-	-	-	-	5194	293	-	2942	25347
Comm. and public services	-	-	-	-	-	2648	142	-	10	13522
Agriculture/forestry	-	-	-	-	-	615	57	-	7	13787
Fishing	-	-	-	-	-	4	11	-	-	1416
Non-specified	-	-	-	-	-	125	149	777	14	876
NON-ENERGY USE	-	2551	-	-	326	14469	20	-	284	1717
in industry/transf./energy	-	2551	-	-	326	14469	20	-	284	1717
of which: chem./petrochem.	-	2551	-	-	326	14429	20	-	268	1717
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁶ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	75560	40441	12175	53490	3815690	16196	708786	1097046	3630637	2430023
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	63073	36924	13078	20169	326966	9643	-	29856	394613	244
Exports	-78144	-25516	-7345	-30723	-136832	-7744	-	-2627	-387975	-213
Intl. marine bunkers	-33489	-	-	-146	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	978	-168	-203	-22	274	131	-	144	-	-
DOMESTIC SUPPLY	27978	51681	17705	42768	4006098	18226	708786	1124419	3637275	2430054
Transfers	-9213	-6928	239	-7192	-	-	-	-	-	-
Statistical differences	-2196	601	-197	2354	353	112	225	1	-1936	-3032
TRANSFORMATION	6166	11590	1547	4782	1222504	1291	563621	916461	4396	42628
Electricity plants	3434	-	958	489	385162	750	251098	301563	-	14058
CHP plants	1808	-	28	3306	643153	463	295718	520819	-	-
Heat plants	326	-	-	41	186454	78	6195	94079	4396	-
Blast furnaces	48	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	560	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	550	11590	-	946	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	1	-	7735	-	10610	-	-	28570
ENERGY IND. OWN USE	3603	-	4639	1367	508	57	22719	6901	292131	185598
Fuel mining and extraction	68	-	-	-	26	-	-	2	23524	5405
Oil refineries	3530	-	4639	1367	108	41	16	-	36357	91012
Elec., CHP and heat plants	-	-	-	-	62	-	67	1672	162633	41682
Pumped storage plants	-	-	-	-	-	-	-	-	42817	-
Other energy ind. own use	5	-	-	-	312	16	22636	5227	26800	47499
Losses	-	-	-	-	-	-	954	-	240777	212975
FINAL CONSUMPTION	6800	33764	11561	31781	2783439	16990	121717	201058	3098035	1985821
INDUSTRY	4115	1513	5710	299	886631	119	20161	177344	1159529	687384
Iron and steel	137	-	29	-	410	-	31	176	138958	21135
Chemical and petrochemical	1196	1424	18	69	15614	15	3147	28829	192013	266118
Non-ferrous metals	121	-	40	-	30	-	26	461	100366	5590
Non-metallic minerals	648	-	5503	210	46161	14	994	128949	79836	9607
Transport equipment	11	-	3	2	695	3	6	2	53164	24853
Machinery	226	-	1	3	6090	5	442	242	125715	23687
Mining and quarrying	129	-	7	2	2259	8	403	-	19122	4926
Food and tobacco	781	-	-	1	37926	7	6799	177	125463	52963
Paper, pulp and print	446	-	-	1	531001	6	4519	10770	123394	96091
Wood and wood products	32	-	-	-	202757	2	63	1588	26722	19025
Construction	117	-	-	5	5229	53	45	90	23910	2235
Textile and leather	78	-	-	1	538	-	154	-	35500	5425
Non-specified	193	89	109	5	37921	6	3532	6060	115366	155729
TRANSPORT	1223	-	-	11	-	16606	5994	-	67347	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	11	-	16558	5973	-	1647	-
Rail	-	-	-	-	-	35	-	-	54671	-
Pipeline transport	-	-	-	-	-	-	-	-	1979	-
Domestic navigation	1223	-	-	-	-	6	-	-	-	-
Non-specified	-	-	-	-	-	7	21	-	9050	-
OTHER	409	-	23	61	1896808	265	95562	23714	1871159	1298437
Residential	30	-	23	-	1737021	10	2957	-	884155	884277
Comm. and public services	214	-	-	60	96875	206	74355	23679	925400	396514
Agriculture/forestry	76	-	-	-	62905	36	18215	35	57122	9517
Fishing	54	-	-	-	7	6	-	-	2041	1513
Non-specified	35	-	-	1	-	7	35	-	2441	6616
NON-ENERGY USE	1053	32251	5828	31410	-	-	-	-	-	-
in industry/transf./energy	1053	32251	5828	28825	-	-	-	-	-	-
of which: chem./petrochem.	1053	32096	147	6933	-	-	-	-	-	-
in transport	-	-	-	1986	-	-	-	-	-	-
in other	-	-	2	599	-	-	-	-	-	-

6. Includes both primary and secondary solid biofuels.

OECD Europe: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	18369	61812	3128	396386	44036	7040	21172	349070	592343	27092	9370222
From other sources	-	623	-	-	-	-	925	560	549	-	13239
Imports	49663	182253	704	1339	9703	1010	-	-	-	84	20334754
Exports	-4244	-30967	-	-1206	-10851	-1525	-	-	-	-29	-9405957
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	142	3461	546	-3024	341	3	-	-	-	2031	-92918
DOMESTIC SUPPLY	63930	217182	4378	393495	43229	6528	22097	349630	592892	29178	20219340

SUPPLY	Oil (kt)									
	Crude oil ³	NGL	Feed- stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	141810	14779	-	2547	21659	17094	119933	39465	12556	258676
From other sources	2505	-	18148	319	-	-	-	-	-	-
Imports	571415	10983	23130	1278	-	24734	29684	36204	2483	149662
Exports	-109547	-2738	-10974	-490	-	-16326	-82981	-16586	-1735	-108872
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-9706
Intl. aviation bunkers	-	-	-	-	-	-	-	-53720	-	-
Stock changes	347	-41	325	63	-	-125	75	545	64	4108
DOMESTIC SUPPLY	606530	22983	30629	3717	21659	25377	66711	5908	13368	293868
Transfers	-679	-14484	18914	-259	4517	9977	12425	3009	-8470	387

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio- fuels ⁶ (TJ)	Liquid bio- fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	78422	42541	12350	54084	3857892	17753	719976	1127741	3680775	2410948
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	47089	40425	12651	37083	324157	10875	-	32034	396375	260
Exports	-63332	-25597	-6993	-47504	-139265	-9181	-42	-2627	-404439	-219
Intl. marine bunkers	-33618	-	-	-218	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	2100	-576	279	-957	3815	81	-	-19	-	-
DOMESTIC SUPPLY	30661	56793	18287	42488	4046599	19528	719934	1157129	3672711	2410989
Transfers	-11665	-7921	-197	-4568	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.
2. The peat column also includes the quantities of oil shale for Estonia.
3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.
4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.
5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.
6. Includes both primary and secondary solid biofuels.

Non-OECD Total

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	750535	3985587	348091	294548	574535	17242	340065	2257156	4672933	3142	90251174
From other sources	-	222962	-	-	-	-	-	-	-	-	111724
Imports	141409	477703	92757	3769	10738	70	-	-	-	134	11814680
Exports	-54410	-489496	-247367	-8581	-15508	-142	-	-	-	-240	-27125383
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-6302	134433	-1101	-1340	15237	-27	-	-	-	526	112011
DOMESTIC SUPPLY	831232	4331189	192380	288396	585002	17143	340065	2257156	4672933	3562	75164206
Transfers	-	-	-	-	-1695	-	-	-	-	-	-
Statistical differences	528	76229	763	637	295	135	-1966	-12950	-174440	-	-507280
TRANSFORMATION	803693	2999017	166856	271329	402030	1325	98084	616399	1243532	2282	33639640
Electricity plants	44905	1872619	166208	163078	-	303	-	396677	781377	-	20663120
CHP plants	41	1014535	607	96960	10	1013	-	101346	178300	909	9548804
Heat plants	36	15644	-	7415	3	9	-	118376	283855	666	2482106
Blast furnaces	-	11794	-	-	401325	-	-	-	-	-	-
Gas works	177	29154	-	-	75	-	-	-	-	-	8464
Coke/pat.fuel/BKB/PB plants	758342	33755	41	3876	466	-	-	-	-	707	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	192	21516	-	-	-	-	-	-	-	-	766233
Other transformation	-	-	-	-	151	-	98084	-	-	-	170913
ENERGY IND. OWN USE	1069	91039	-	238	3023	885	8415	397195	54203	71	7464032
Fuel mining and extraction	196	34578	-	97	771	113	-	9375	-	-	4639189
Oil refineries	-	-	-	-	-	-	-	-	-	-	1184942
Elec., CHP and heat plants	13	10887	-	121	375	6	-	-	651	17	94761
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	860	45574	-	20	1877	766	8415	387820	53552	54	1545140
Losses	5	5875	-	53	85	-	-	1389	32182	90	789367
FINAL CONSUMPTION	26993	1311487	26287	17413	178464	15068	231600	1229223	3168576	1119	32763887
INDUSTRY	25980	993761	25322	10433	149823	8543	178944	1168249	3168431	364	12724163
Iron and steel	9005	184129	904	217	100447	2490	14861	996647	3168431	1	1254541
Chemical and petrochemical	1657	171984	279	355	19678	4170	52414	68433	-	-	2142108
Non-ferrous metals	4152	24825	-	1188	5852	77	64637	17363	-	-	229798
Non-metallic minerals	844	360885	14708	2374	10281	769	19756	65895	-	352	1163139
Transport equipment	4	2580	-	4	1271	11	254	588	-	-	187875
Machinery	124	10717	-	31	8469	48	10605	5662	-	2	347897
Mining and quarrying	124	10815	245	64	1824	103	3460	5829	-	-	159530
Food and tobacco	46	44812	643	194	1489	205	3309	429	-	2	448023
Paper, pulp and print	20	18778	4522	515	18	157	1975	5	-	1	186626
Wood and wood products	-	3510	-	2	26	8	2	78	-	-	24799
Construction	10	8150	-	159	71	-	-	-	-	2	242001
Textile and leather	8	19772	15	1885	36	222	82	6424	-	-	121140
Non-specified	9986	132804	4006	3445	361	283	7589	896	-	4	6216686
TRANSPORT	-	29	-	44	32	-	-	-	-	1	3523473
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1758321
Rail	-	22	-	44	28	-	-	-	-	1	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1763861
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	7	-	-	4	-	-	-	-	-	1291
OTHER	165	252741	965	6926	1275	6525	52656	28665	-	754	10415403
Residential	-	108429	39	3351	274	6085	45517	26315	-	557	8391193
Comm. and public services	154	56025	-	1445	470	317	7139	2350	-	144	1728746
Agriculture/forestry	-	28678	-	68	531	-	-	-	-	53	180544
Fishing	-	1	-	-	-	-	-	-	-	-	661
Non-specified	11	59608	926	2062	-	123	-	-	-	-	114259
NON-ENERGY USE	848	64956	-	10	27334	-	-	32309	145	-	6100848
in industry/transf./energy	848	64956	-	10	27166	-	-	32309	145	-	6100848
of which: chem./petrochem.	-	2740	-	-	-	-	-	-	-	-	6047015
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	168	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Non-OECD Total

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	3051610	263298	-	491	72473	84647	401263	142335	29809	694441
From other sources	15253	-	4569	-	-	-	-	-	-	-
Imports	917406	877	8044	2460	-	56182	129967	31647	2342	197071
Exports	-1842585	-52558	-156	-39	-	-76648	-89952	-48489	-12608	-202310
Intl. marine bunkers	-	-	-	-	-	-	-6	-44	-	-20595
Intl. aviation bunkers	-	-	-	-	-	-	-	-82626	-5	-2
Stock changes	-17660	4004	94	-1	-62	-1157	-2413	-1202	-2076	-863
DOMESTIC SUPPLY	2124024	215621	12551	2911	72411	63024	438859	41621	17462	667742
Transfers	-12012	-142317	24419	-	-	120050	9172	-776	35	7260
Statistical differences	10910	800	145	22	804	3143	-851	99	-473	3831
TRANSFORMATION	2097332	71824	37115	2933	4361	115	18	2	19	63384
Electricity plants	37420	-	-	-	762	20	18	2	19	62431
CHP plants	12	-	-	-	553	1	-	-	-	628
Heat plants	826	-	-	-	3046	62	-	-	-	322
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2058402	71824	37115	2933	-	-	-	-	-	-
Petrochemical plants	672	-	-	-	-	32	-	-	-	3
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	9253	1712	-	-	57439	5218	37	8	40	9675
Fuel mining and extraction	8202	1712	-	-	10	416	-	-	19	8152
Oil refineries	1051	-	-	-	57404	4560	33	8	14	728
Elec., CHP and heat plants	-	-	-	-	1	3	2	-	-	764
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	24	239	2	-	7	31
Losses	8602	17	-	-	96	37	83	9	-	53
FINAL CONSUMPTION	8168	551	-	-	11319	180847	447042	40925	16965	605721
INDUSTRY	6552	6	-	-	10633	11175	957	1	666	66896
Iron and steel	-	-	-	-	-	552	-	-	4	1677
Chemical and petrochemical	18	6	-	-	10479	5548	6	-	36	2203
Non-ferrous metals	-	-	-	-	-	134	3	-	9	548
Non-metallic minerals	1	-	-	-	-	1114	3	-	20	4325
Transport equipment	-	-	-	-	-	68	3	-	31	691
Machinery	-	-	-	-	-	356	6	1	66	2082
Mining and quarrying	-	-	-	-	-	64	31	-	18	9644
Food and tobacco	3	-	-	-	-	525	20	-	10	3639
Paper, pulp and print	7	-	-	-	-	103	1	-	7	704
Wood and wood products	-	-	-	-	-	16	11	-	1	625
Construction	-	-	-	-	-	410	156	-	107	11136
Textile and leather	-	-	-	-	-	116	1	-	10	1433
Non-specified	6523	-	-	-	154	2169	716	-	347	28189
TRANSPORT	11	-	-	-	-	7158	441659	40724	79	449065
Domestic aviation	-	-	-	-	-	-	25	40722	-	3
Road	-	-	-	-	-	6646	441112	-	2	412772
Rail	-	-	-	-	-	1	65	-	-	10753
Pipeline transport	6	-	-	-	-	2	43	-	50	186
Domestic navigation	-	-	-	-	-	-	226	-	-	22258
Non-specified	5	-	-	-	-	509	188	2	27	3093
OTHER	18	-	-	-	-	110829	4282	195	16015	89407
Residential	-	-	-	-	-	98148	12	-	13779	8157
Comm. and public services	-	-	-	-	-	9641	265	175	1369	18909
Agriculture/forestry	8	-	-	-	-	425	2840	-	188	55355
Fishing	-	-	-	-	-	-	21	-	3	1218
Non-specified	10	-	-	-	-	2615	1144	20	676	5768
NON-ENERGY USE	1587	545	-	-	686	51685	144	5	205	353
in industry/transf./energy	1587	545	-	-	686	51685	144	5	194	353
of which: chem./petrochem.	1542	543	-	-	686	50578	144	5	39	353
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	11	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Non-OECD Total

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	293286	167985	48279	164733	41357697	39768	392198	566772	14074663	11181387
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	162460	40197	24038	40430	18521	1839	-	1137	246545	-
Exports	-174480	-75485	-9924	-31704	-57892	-3808	-	-	-245664	-
Intl. marine bunkers	-117988	-	-	-3	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-164	-	-	-	-	-	-
Stock changes	770	-712	248	41	1395	217	-	-901	-	-
DOMESTIC SUPPLY	164048	131985	62641	173333	41319721	38016	392198	567008	14075544	11181387
Transfers	-7844	12622	392	-9111	-	-	-	-	-	-
Statistical differences	3932	-2617	153	-12378	4389	-86	33	-494	-28911	3033
TRANSFORMATION	81485	3387	5622	1060	8627415	309	50353	493032	3	13127
Electricity plants	72483	193	1532	46	2605675	309	40382	281358	-	13127
CHP plants	4411	-	534	259	433140	-	8594	94517	-	-
Heat plants	4588	-	1794	186	111591	-	801	117157	3	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	1762	-	61	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	2898	-	16	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	3	296	-	553	5476948	-	576	-	-	-
ENERGY IND. OWN USE	8471	206	570	11137	514825	-	27	6014	1388879	1168953
Fuel mining and extraction	408	-	-	205	1	-	-	-	281190	235727
Oil refineries	7471	206	570	10778	1	-	-	6014	160660	721830
Elec., CHP and heat plants	121	-	-	9	1045	-	-	-	836118	162638
Pumped storage plants	-	-	-	-	-	-	-	-	60798	-
Other energy ind. own use	471	-	-	145	513778	-	27	-	50113	48758
Losses	22	-	115	4	61	1	68	-	1306369	655538
FINAL CONSUMPTION	70158	138397	56879	139643	32181809	37620	341783	67468	11351382	9346802
INDUSTRY	50380	4010	43028	30336	4982055	35	25402	59393	5653077	4629330
Iron and steel	1594	-	229	64	3222	7	-	18347	793866	544155
Chemical and petrochemical	3116	3873	102	11808	3424	1	120	2908	791230	1906538
Non-ferrous metals	2139	-	648	81	4	-	-	-	791855	164261
Non-metallic minerals	4280	-	15034	326	102207	1	-	10341	437257	108596
Transport equipment	80	-	-	26	96	-	-	38	135428	130249
Machinery	565	-	-	107	888	1	-	23	558743	376888
Mining and quarrying	1264	-	506	27	1262	4	-	932	199463	84890
Food and tobacco	1436	-	98	8	1129871	2	168	3262	256050	387604
Paper, pulp and print	779	-	-	5	435924	-	-	3179	155165	381042
Wood and wood products	31	-	-	-	20740	-	-	17064	48677	67179
Construction	743	-	-	1002	523	4	-	61	93300	35899
Textile and leather	842	-	-	21	3947	-	-	54	277755	375741
Non-specified	33511	137	26411	16861	3279947	15	25114	3184	1114288	66288
TRANSPORT	11923	-	-	152	8	37121	-	-	243787	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	4	-	-	16	-	37113	-	-	44161	-
Rail	49	-	-	113	8	2	-	-	158100	-
Pipeline transport	10	-	-	18	-	-	-	-	23744	-
Domestic navigation	6988	-	-	2	-	6	-	-	-	-
Non-specified	4872	-	-	3	-	-	-	-	17782	-
OTHER	6715	-	174	944	27199746	464	316381	8075	5454518	4717472
Residential	122	-	12	15	26101326	372	314856	-	2722107	3196893
Comm. and public services	2255	-	162	131	719521	46	610	5525	1571538	1060655
Agriculture/forestry	483	-	-	6	272254	29	826	2550	470857	124882
Fishing	298	-	-	-	21	9	-	-	1776	704
Non-specified	3557	-	-	792	106624	8	89	-	688240	334338
NON-ENERGY USE	1140	134387	13677	108211	-	-	-	-	-	-
in industry/transf./energy	1140	134387	13677	79163	-	-	-	-	-	-
of which: chem./petrochem.	1137	134386	27	14611	-	-	-	-	-	-
in transport	-	-	-	2221	-	-	-	-	-	-
in other	-	-	-	26823	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Non-OECD Americas

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	4352	87284	3424	3480	12507	-	-	78189	96024	13	6922430
From other sources	-	-	-	-	-	-	-	-	-	-	674
Imports	11249	13801	212	-	1826	2	-	-	-	-	970631
Exports	-1205	-82876	-	-	-1816	-	-	-	-	-	-1478738
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-300	2324	-81	-612	-34	-	-	-	-	-	-358
DOMESTIC SUPPLY	14096	20533	3555	2868	12483	2	-	78189	96024	13	6414639
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-496	-2	-1	-268	-	-	487	1	-	-73273
TRANSFORMATION	13191	10708	2693	2837	8261	-	-	15761	70257	-	2308615
Electricity plants	-	10281	2478	2837	-	-	-	4337	4814	-	2149750
CHP plants	-	427	215	-	10	-	-	11424	65443	-	117379
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	8251	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	13191	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	41486
ENERGY IND. OWN USE	-	-	-	-	-	-	-	9949	5279	-	1213580
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	784203
Oil refineries	-	-	-	-	-	-	-	-	-	-	279726
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	9949	5279	-	149651
Losses	5	40	-	-	7	-	-	-	9005	-	74275
FINAL CONSUMPTION	900	9289	860	30	3947	2	-	52966	11484	13	2744896
INDUSTRY	900	9185	860	30	3779	-	-	52966	11484	-	1216651
Iron and steel	900	3447	-	7	2840	-	-	52966	11484	-	233002
Chemical and petrochemical	-	266	257	-	3	-	-	-	-	-	178297
Non-ferrous metals	-	1244	-	-	331	-	-	-	-	-	48277
Non-metallic minerals	-	1980	87	-	546	-	-	-	-	-	144320
Transport equipment	-	-	-	-	-	-	-	-	-	-	2346
Machinery	-	-	-	-	1	-	-	-	-	-	656
Mining and quarrying	-	239	245	6	58	-	-	-	-	-	18041
Food and tobacco	-	483	99	17	-	-	-	-	-	-	130869
Paper, pulp and print	-	453	171	-	-	-	-	-	-	-	53869
Wood and wood products	-	-	-	-	-	-	-	-	-	-	947
Construction	-	-	-	-	-	-	-	-	-	-	28
Textile and leather	-	198	-	-	-	-	-	-	-	-	18550
Non-specified	-	875	1	-	-	-	-	-	-	-	387449
TRANSPORT	-	-	-	-	-	-	-	-	-	-	354417
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	262755
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	90461
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	1201
OTHER	-	99	-	-	-	2	-	-	-	13	659891
Residential	-	99	-	-	-	-	-	-	-	13	536611
Comm. and public services	-	-	-	-	-	-	-	-	-	-	93278
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	610
Non-specified	-	-	-	-	-	2	-	-	-	-	29392
NON-ENERGY USE	-	5	-	-	168	-	-	-	-	-	513937
in industry/transf./energy	-	5	-	-	-	-	-	-	-	-	513937
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	513937
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	168	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Non-OECD Americas

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	365654	18579	-	395	8909	6546	49044	11770	301	70697
From other sources	249	-	3365	-	-	-	-	-	-	-
Imports	35599	51	448	-	-	5794	14521	4280	317	34581
Exports	-188834	-	-	-	-	-1639	-6864	-3389	-100	-4353
Intl. marine bunkers	-	-	-	-	-	-	-	-44	-	-1866
Intl. aviation bunkers	-	-	-	-	-	-	-	-9250	-5	-
Stock changes	2791	-	-	-	-62	11	-88	739	7	-726
DOMESTIC SUPPLY	215459	18630	3813	395	8847	10712	56613	4106	520	98333
Transfers	-2616	-12892	5761	-	-	9306	2226	-6	6	-590
Statistical differences	803	35	145	-	-50	-137	1002	-6	7	734
TRANSFORMATION	212702	5773	9719	395	483	17	15	-	17	12321
Electricity plants	1950	-	-	-	131	17	15	-	17	11953
CHP plants	-	-	-	-	352	-	-	-	-	368
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	210752	5773	9719	395	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	412	-	-	-	7784	228	32	-	14	1856
Fuel mining and extraction	196	-	-	-	-	-	-	-	-	1636
Oil refineries	216	-	-	-	7784	211	32	-	14	220
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	17	-	-	-	-
Losses	93	-	-	-	12	-	60	6	-	36
FINAL CONSUMPTION	439	-	-	-	518	19636	59734	4088	502	84264
INDUSTRY	434	-	-	-	145	3686	448	-	88	5840
Iron and steel	-	-	-	-	-	55	-	-	-	326
Chemical and petrochemical	-	-	-	-	145	1812	1	-	-	44
Non-ferrous metals	-	-	-	-	-	61	1	-	-	11
Non-metallic minerals	-	-	-	-	-	156	2	-	-	117
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	1
Mining and quarrying	-	-	-	-	-	47	-	-	1	386
Food and tobacco	-	-	-	-	-	284	3	-	-	335
Paper, pulp and print	7	-	-	-	-	67	-	-	-	186
Wood and wood products	-	-	-	-	-	5	-	-	-	5
Construction	-	-	-	-	-	167	25	-	-	235
Textile and leather	-	-	-	-	-	29	-	-	-	15
Non-specified	427	-	-	-	-	1003	416	-	87	4179
TRANSPORT	5	-	-	-	-	996	58358	4088	-	65725
Domestic aviation	-	-	-	-	-	-	10	4088	-	-
Road	-	-	-	-	-	500	58345	-	-	63805
Rail	-	-	-	-	-	-	-	-	-	943
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	3	-	-	844
Non-specified	5	-	-	-	-	496	-	-	-	133
OTHER	-	-	-	-	-	13859	928	-	409	12699
Residential	-	-	-	-	-	12108	6	-	297	12
Comm. and public services	-	-	-	-	-	1457	82	-	73	739
Agriculture/forestry	-	-	-	-	-	135	124	-	2	9978
Fishing	-	-	-	-	-	-	-	-	-	57
Non-specified	-	-	-	-	-	159	716	-	37	1913
NON-ENERGY USE	-	-	-	-	373	1095	-	-	5	-
in industry/transf./energy	-	-	-	-	373	1095	-	-	3	-
of which: chem./petrochem.	-	-	-	-	373	1095	-	-	3	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	2	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Non-OECD Americas

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	49454	6004	8523	14511	4416700	28600	10606	-	1228471	3342
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	15130	6300	2571	4425	-	1145	-	-	54980	-
Exports	-28299	-804	-2199	-1231	-	-3080	-	-	-53012	-
Intl. marine bunkers	-11687	-	-	-3	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-1183	91	-12	1	14	285	-	-	-	-
DOMESTIC SUPPLY	23415	11591	8883	17703	4416714	26950	10606	-	1230439	3342
Transfers	947	-1071	-	-995	-	-	-	-	-	-
Statistical differences	-726	-143	-107	197	-387	-28	36	-	-7863	-
TRANSFORMATION	14646	2782	1762	241	1022278	15	10615	-	-	3342
Electricity plants	14407	-	-	9	212127	15	9094	-	-	3342
CHP plants	239	-	-	232	382244	-	1521	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	1762	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	2767	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	15	-	-	427907	-	-	-	-	-
ENERGY IND. OWN USE	975	149	179	672	513748	-	-	-	50215	-
Fuel mining and extraction	67	-	-	-	-	-	-	-	15632	-
Oil refineries	871	149	179	672	-	-	-	-	5809	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	21474	-
Pumped storage plants	-	-	-	-	-	-	-	-	824	-
Other energy ind. own use	37	-	-	-	513748	-	-	-	6476	-
Losses	22	-	115	2	-	1	24	-	199703	-
FINAL CONSUMPTION	7993	7446	6720	15990	2880301	26906	3	-	972658	-
INDUSTRY	6469	396	6720	4806	1702005	22	-	-	380766	-
Iron and steel	55	-	178	-	2582	7	-	-	47395	-
Chemical and petrochemical	358	343	89	1641	2689	-	-	-	41984	-
Non-ferrous metals	1300	-	626	-	-	-	-	-	39436	-
Non-metallic minerals	191	-	3915	-	97360	-	-	-	19048	-
Transport equipment	-	-	-	-	-	-	-	-	2135	-
Machinery	-	-	-	-	-	-	-	-	864	-
Mining and quarrying	771	-	506	-	-	-	-	-	17037	-
Food and tobacco	239	-	96	-	926658	-	-	-	46840	-
Paper, pulp and print	526	-	-	-	425524	-	-	-	29094	-
Wood and wood products	2	-	-	-	5480	-	-	-	902	-
Construction	19	-	-	-	55	-	-	-	574	-
Textile and leather	36	-	-	-	2959	-	-	-	10518	-
Non-specified	2972	53	1310	3165	238698	15	-	-	124939	-
TRANSPORT	688	-	-	3	-	26464	-	-	3844	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	26464	-	-	10	-
Rail	-	-	-	-	-	-	-	-	3205	-
Pipeline transport	-	-	-	-	-	-	-	-	529	-
Domestic navigation	688	-	-	2	-	-	-	-	-	-
Non-specified	-	-	-	1	-	-	-	-	100	-
OTHER	833	-	-	244	1178296	420	3	-	588048	-
Residential	15	-	-	-	1006126	372	3	-	296846	-
Comm. and public services	107	-	-	1	25665	24	-	-	244916	-
Agriculture/forestry	102	-	-	-	144078	11	-	-	34211	-
Fishing	1	-	-	-	-	5	-	-	260	-
Non-specified	608	-	-	243	2427	8	-	-	11815	-
NON-ENERGY USE	3	7050	-	10937	-	-	-	-	-	-
in industry/transf./energy	3	7050	-	10879	-	-	-	-	-	-
of which: chem./petrochem.	2	7049	-	-	-	-	-	-	-	-
in transport	-	-	-	26	-	-	-	-	-	-
in other	-	-	-	32	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Non-OECD Asia (excluding China)

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	80474	811706	344667	84001	40291	215	974	225942	457630	-	12757907
From other sources	-	8183	-	-	-	-	-	-	-	-	-
Imports	57521	211682	91743	742	4052	-	-	-	-	3	2990987
Exports	-23791	-156980	-247365	-567	-386	-	-	-	-	-	-4081151
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-2063	-4157	-1055	-345	43	-	-	-	-	-	-33159
DOMESTIC SUPPLY	112141	870434	187990	83831	44000	215	974	225942	457630	3	11634584
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	74	-192	771	378	-102	-	-	-	-2	-	-16420
TRANSFORMATION	100048	620628	164006	76176	36216	-	-	47515	31621	-	5729323
Electricity plants	44873	602206	163730	70180	-	-	-	34422	-	-	5662609
CHP plants	-	10619	235	5350	-	-	-	13093	31621	-	8797
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	5456	-	-	36216	-	-	-	-	-	-
Gas works	-	105	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	55175	2242	41	646	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	54929
Other transformation	-	-	-	-	-	-	-	-	-	-	2988
ENERGY IND. OWN USE	55	315	-	20	-	-	-	79707	39570	-	1097146
Fuel mining and extraction	55	292	-	-	-	-	-	-	-	-	638373
Oil refineries	-	-	-	-	-	-	-	-	-	-	114650
Elec., CHP and heat plants	-	23	-	-	-	-	-	-	-	-	394
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	20	-	-	-	79707	39570	-	343729
Losses	-	211	-	3	78	-	-	10	916	-	186171
FINAL CONSUMPTION	12112	249088	24755	8010	7604	215	974	98710	385521	3	4605524
INDUSTRY	12112	214307	23829	6344	7260	30	974	98710	385521	3	1921410
Iron and steel	4534	70711	432	55	7202	-	974	98710	385521	-	33492
Chemical and petrochemical	1025	9007	22	251	-	-	-	-	-	-	284921
Non-ferrous metals	3899	490	-	1093	-	-	-	-	-	-	1696
Non-metallic minerals	-	66697	14476	1638	-	-	-	-	-	-	51306
Transport equipment	-	-	-	-	-	-	-	-	-	-	33320
Machinery	-	227	-	-	-	-	-	-	-	-	12467
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	2
Food and tobacco	-	1951	528	7	-	-	-	-	-	-	11169
Paper, pulp and print	-	2618	4351	503	-	-	-	-	-	-	44581
Wood and wood products	-	-	-	-	-	-	-	-	-	-	732
Construction	-	-	-	140	-	-	-	-	-	-	5378
Textile and leather	-	4011	15	1858	-	-	-	-	-	-	4584
Non-specified	2654	58595	4005	799	58	30	-	-	-	3	1437762
TRANSPORT	-	3	-	44	-	-	-	-	-	-	357597
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	338737
Rail	-	-	-	44	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	18860
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	3	-	-	-	-	-	-	-	-	-
OTHER	-	34734	926	1622	-	185	-	-	-	-	630258
Residential	-	9002	-	312	-	185	-	-	-	-	492121
Comm. and public services	-	11883	-	-	-	-	-	-	-	-	123223
Agriculture/forestry	-	32	-	6	-	-	-	-	-	-	8322
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	13817	926	1304	-	-	-	-	-	-	6592
NON-ENERGY USE	-	44	-	-	344	-	-	-	-	-	1696259
in industry/transf./energy	-	44	-	-	344	-	-	-	-	-	1696259
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	1696259
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Non-OECD Asia (excluding China)

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	153968	18380	-	40	18338	16200	86813	40845	9527	191664
From other sources	622	-	633	-	-	-	-	-	-	-
Imports	406355	-	5162	322	-	21862	51091	10351	177	56988
Exports	-54708	-489	-34	-	-	-3544	-44007	-16058	-396	-71476
Intl. marine bunkers	-	-	-	-	-	-	-6	-	-	-2486
Intl. aviation bunkers	-	-	-	-	-	-	-	-27135	-	-
Stock changes	6526	-7	58	-	-	-906	-849	-23	-1804	-274
DOMESTIC SUPPLY	512763	17884	5819	362	18338	33612	93042	7980	7504	174416
Transfers	-622	-17125	14761	-	-	14553	4048	-9	57	-1543
Statistical differences	-4300	15	-	2	-	-193	514	74	-870	2264
TRANSFORMATION	506027	231	20580	364	65	2	-	-	-	13200
Electricity plants	-	-	-	-	63	2	-	-	-	13200
CHP plants	-	-	-	-	2	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	505355	231	20580	364	-	-	-	-	-	-
Petrochemical plants	672	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	347	-	-	-	16538	208	2	-	-	95
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	347	-	-	-	16538	70	1	-	-	95
Elec., CHP and heat plants	-	-	-	-	-	-	1	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	138	-	-	-	-
Losses	195	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	1272	543	-	-	1735	47762	97602	8045	6691	161842
INDUSTRY	-	-	-	-	1735	1744	252	-	126	18284
Iron and steel	-	-	-	-	-	260	-	-	2	653
Chemical and petrochemical	-	-	-	-	1735	304	-	-	21	1392
Non-ferrous metals	-	-	-	-	-	8	-	-	-	28
Non-metallic minerals	-	-	-	-	-	107	-	-	4	1075
Transport equipment	-	-	-	-	-	4	3	-	-	3
Machinery	-	-	-	-	-	113	-	-	3	588
Mining and quarrying	-	-	-	-	-	2	21	-	-	2432
Food and tobacco	-	-	-	-	-	100	12	-	3	1743
Paper, pulp and print	-	-	-	-	-	18	-	-	3	199
Wood and wood products	-	-	-	-	-	4	10	-	-	230
Construction	-	-	-	-	-	7	74	-	-	1248
Textile and leather	-	-	-	-	-	41	-	-	2	1080
Non-specified	-	-	-	-	-	776	132	-	88	7613
TRANSPORT	-	-	-	-	-	1725	96770	7910	-	122793
Domestic aviation	-	-	-	-	-	-	15	7910	-	-
Road	-	-	-	-	-	1724	96583	-	-	114651
Rail	-	-	-	-	-	1	-	-	-	3914
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	157	-	-	4086
Non-specified	-	-	-	-	-	-	15	-	-	142
OTHER	-	-	-	-	-	37121	580	135	6565	20765
Residential	-	-	-	-	-	31188	1	-	6143	34
Comm. and public services	-	-	-	-	-	5122	27	135	150	2887
Agriculture/forestry	-	-	-	-	-	10	222	-	-	16951
Fishing	-	-	-	-	-	-	9	-	1	756
Non-specified	-	-	-	-	-	801	321	-	271	137
NON-ENERGY USE	1272	543	-	-	-	7172	-	-	-	-
in industry/transf./energy	1272	543	-	-	-	7172	-	-	-	-
of which: chem./petrochem.	1272	543	-	-	-	6065	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Non-OECD Asia (excluding China)

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	38486	44701	14795	48656	15642116	7242	66239	118059	2935184	45212
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	91091	25993	12631	15152	2910	208	-	-	44056	-
Exports	-43278	-13509	-4194	-18352	-9	-569	-	-	-33945	-
Intl. marine bunkers	-52066	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1001	-122	-29	470	-	-58	-	-	-	-
DOMESTIC SUPPLY	35234	57063	23203	45926	15645017	6823	66239	118059	2945295	45212
Transfers	-2231	-4918	-	-7248	-	-	-	-	-	-
Statistical differences	1044	-1105	420	-7123	1319	-52	-	-1	19120	1
TRANSFORMATION	15791	193	191	3	2389036	294	29451	114235	-	-
Electricity plants	15625	193	-	3	1434119	294	29451	114235	-	-
CHP plants	166	-	191	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	954917	-	-	-	-	-
ENERGY IND. OWN USE	2332	57	-	-	-	-	-	-	170758	2367
Fuel mining and extraction	1	-	-	-	-	-	-	-	99	-
Oil refineries	2288	57	-	-	-	-	-	-	7511	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	157944	2367
Pumped storage plants	-	-	-	-	-	-	-	-	3792	-
Other energy ind. own use	43	-	-	-	-	-	-	-	1412	-
Losses	-	-	-	-	-	-	-	-	377458	1335
FINAL CONSUMPTION	15924	50790	23432	31552	13257300	6477	36788	3823	2416199	41511
INDUSTRY	11870	3572	23404	3098	2379090	13	25059	3823	998781	9902
Iron and steel	978	-	-	10	-	-	-	-	101318	-
Chemical and petrochemical	2451	3530	-	-	-	1	-	-	100463	-
Non-ferrous metals	101	-	-	-	-	-	-	-	22019	-
Non-metallic minerals	1982	-	7643	-	-	1	-	-	59402	-
Transport equipment	16	-	-	-	-	-	-	-	16483	-
Machinery	423	-	-	-	-	1	-	-	94037	-
Mining and quarrying	275	-	-	-	-	4	-	-	1280	-
Food and tobacco	808	-	-	-	196353	2	-	-	56438	-
Paper, pulp and print	84	-	-	-	3042	-	-	654	23072	-
Wood and wood products	14	-	-	-	-	-	-	-	4330	-
Construction	64	-	-	-	-	4	-	-	1368	-
Textile and leather	694	-	-	-	-	-	-	-	62960	-
Non-specified	3980	42	15761	3088	2179695	-	25059	3169	455611	9902
TRANSPORT	988	-	-	-	-	6437	-	-	21857	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	2	-	-	-	-	6431	-	-	-	-
Rail	5	-	-	-	-	-	-	-	21857	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	927	-	-	-	-	6	-	-	-	-
Non-specified	54	-	-	-	-	-	-	-	-	-
OTHER	2577	-	-	162	10878210	27	11729	-	1395561	31609
Residential	-	-	-	-	10531262	-	11729	-	661919	17207
Comm. and public services	445	-	-	-	313672	22	-	-	383651	12702
Agriculture/forestry	220	-	-	-	321	1	-	-	216713	202
Fishing	29	-	-	-	-	4	-	-	1267	-
Non-specified	1883	-	-	162	32955	-	-	-	132011	1498
NON-ENERGY USE	489	47218	28	28292	-	-	-	-	-	-
in industry/transf./energy	489	47218	28	28082	-	-	-	-	-	-
of which: chem./petrochem.	489	47218	-	2140	-	-	-	-	-	-
in transport	-	-	-	208	-	-	-	-	-	-
in other	-	-	-	2	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

China (People's Republic of China and Hong Kong, China)

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	547017	2510708	-	-	461381	15279	271415	1536430	3699410	-	5328291
From other sources	-	210482	-	-	-	-	-	-	-	-	111050
Imports	59307	207458	-	-	1	56	-	-	-	-	2874487
Exports	-1203	-7448	-	-	-10119	-138	-	-	-	-	-131548
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-3885	131497	-	-	15290	-36	-	-	-	-	-
DOMESTIC SUPPLY	601236	3052697	-	-	466553	15161	271415	1536430	3699410	-	8182280
Transfers	-	-	-	-	-1695	-	-	-	-	-	-
Statistical differences	-54	76925	-	-	358	130	-1966	-13919	-174439	-	-124892
TRANSFORMATION	593704	2061275	-	-	301341	-	98084	462998	1031461	-	1667151
Electricity plants	32	1096996	-	-	-	-	-	356169	766203	-	913733
CHP plants	28	901045	-	-	-	-	-	-	-	-	744954
Heat plants	-	-	-	-	-	-	-	106829	265258	-	-
Blast furnaces	-	-	-	-	301311	-	-	-	-	-	-
Gas works	167	20668	-	-	19	-	-	-	-	-	8464
Coke/pat.fuel/BKB/PB plants	593285	31513	-	-	11	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	192	11053	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	98084	-	-	-	-
ENERGY IND. OWN USE	1014	67138	-	-	2994	884	8415	201392	-	-	1005178
Fuel mining and extraction	141	32964	-	-	771	112	-	9375	-	-	441567
Oil refineries	-	-	-	-	-	-	-	-	-	-	452981
Elec., CHP and heat plants	13	9674	-	-	375	6	-	-	-	-	4534
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	860	24500	-	-	1848	766	8415	192017	-	-	106096
Losses	-	-	-	-	-	-	-	-	-	-	93315
FINAL CONSUMPTION	6464	1001209	-	-	160881	14407	162950	858121	2493510	-	5291744
INDUSTRY	5605	739455	-	-	133739	8396	111730	797147	2493510	-	1980980
Iron and steel	3561	100917	-	-	85878	2490	-	627056	2493510	-	196540
Chemical and petrochemical	632	162345	-	-	19514	4128	15054	68433	-	-	483642
Non-ferrous metals	253	19503	-	-	5520	77	64637	17363	-	-	157016
Non-metallic minerals	793	283764	-	-	9562	761	14783	64969	-	-	300652
Transport equipment	4	2563	-	-	1250	11	254	588	-	-	121025
Machinery	124	10363	-	-	8453	48	9134	5077	-	-	248519
Mining and quarrying	124	9027	-	-	1693	103	1627	5829	-	-	42888
Food and tobacco	46	41984	-	-	1458	189	2426	429	-	-	123576
Paper, pulp and print	20	15659	-	-	18	124	2	5	-	-	46554
Wood and wood products	-	3478	-	-	26	8	2	78	-	-	9542
Construction	10	8053	-	-	71	-	-	-	-	-	7579
Textile and leather	8	15550	-	-	36	222	82	6424	-	-	82914
Non-specified	30	66249	-	-	260	235	3729	896	-	-	160533
TRANSPORT	-	-	-	-	32	-	-	-	-	-	811015
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	795075
Rail	-	-	-	-	28	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	15940
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	4	-	-	-	-	-	-
OTHER	11	199827	-	-	1275	6011	51220	28665	-	-	2020603
Residential	-	89336	-	-	274	5580	45461	26315	-	-	1493829
Comm. and public services	-	38142	-	-	470	310	5759	2350	-	-	522526
Agriculture/forestry	-	27781	-	-	531	-	-	-	-	-	4248
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	11	44568	-	-	-	121	-	-	-	-	-
NON-ENERGY USE	848	61927	-	-	25835	-	-	32309	-	-	479146
in industry/transf./energy	848	61927	-	-	25835	-	-	32309	-	-	479146
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	479146
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

China (People's Republic of China and Hong Kong, China)

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	199685	203	-	-	17725	28004	129310	37754	1712	176426
From other sources	3439	-	-	-	-	-	-	-	-	-
Imports	381007	-	-	-	-	17147	712	9741	31	5968
Exports	-2941	-	-	-	-	-1323	-9701	-13099	-1	-15498
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-3005
Intl. aviation bunkers	-	-	-	-	-	-	-	-14495	-	-
Stock changes	-17428	-	-	-	-	-158	-1573	-16	-181	2883
DOMESTIC SUPPLY	563762	203	-	-	17725	43670	118748	19885	1561	166774
Transfers	-3439	-203	1695	-	-	401	-	-	-	2077
Statistical differences	-63	-	-	-	-25	-230	368	-94	-	784
TRANSFORMATION	553554	-	1695	-	2098	36	-	-	-	366
Electricity plants	131	-	-	-	564	1	-	-	-	305
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	1534	35	-	-	-	61
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	553423	-	1695	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	3201	-	-	-	14668	3721	1	-	17	2565
Fuel mining and extraction	3201	-	-	-	-	7	-	-	16	2022
Oil refineries	-	-	-	-	14668	3713	-	-	-	192
Elec., CHP and heat plants	-	-	-	-	-	-	1	-	-	331
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	1	-	-	1	20
Losses	404	-	-	-	-	12	-	-	-	-
FINAL CONSUMPTION	3101	-	-	-	934	40072	119115	19791	1544	166704
INDUSTRY	2831	-	-	-	621	4541	-	-	253	16750
Iron and steel	-	-	-	-	-	181	-	-	2	599
Chemical and petrochemical	-	-	-	-	467	3012	-	-	11	571
Non-ferrous metals	-	-	-	-	-	31	-	-	9	391
Non-metallic minerals	-	-	-	-	-	749	-	-	16	2876
Transport equipment	-	-	-	-	-	49	-	-	31	537
Machinery	-	-	-	-	-	209	-	-	50	1290
Mining and quarrying	-	-	-	-	-	1	-	-	6	2338
Food and tobacco	-	-	-	-	-	29	-	-	5	680
Paper, pulp and print	-	-	-	-	-	14	-	-	4	229
Wood and wood products	-	-	-	-	-	6	-	-	1	206
Construction	-	-	-	-	-	148	-	-	100	5613
Textile and leather	-	-	-	-	-	36	-	-	2	291
Non-specified	2831	-	-	-	154	76	-	-	16	1129
TRANSPORT	-	-	-	-	-	1324	116727	19791	-	120021
Domestic aviation	-	-	-	-	-	-	-	19791	-	-
Road	-	-	-	-	-	1324	116727	-	-	98711
Rail	-	-	-	-	-	-	-	-	-	3098
Pipeline transport	-	-	-	-	-	-	-	-	-	1
Domestic navigation	-	-	-	-	-	-	-	-	-	16330
Non-specified	-	-	-	-	-	-	-	-	-	1881
OTHER	-	-	-	-	-	31365	2244	-	1268	29589
Residential	-	-	-	-	-	29554	-	-	268	3807
Comm. and public services	-	-	-	-	-	1743	-	-	978	10823
Agriculture/forestry	-	-	-	-	-	68	2244	-	22	14959
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	270	-	-	-	313	2842	144	-	23	344
in industry/transf./energy	270	-	-	-	313	2842	144	-	23	344
of which: chem./petrochem.	270	-	-	-	313	2842	144	-	23	344
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

China (People's Republic of China and Hong Kong, China)

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	18558	41594	19509	62645	4117972	3406	304911	213315	6256165	4313195
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	18589	6980	4316	9749	-	-	-	-	17807	-
Exports	-10120	-75	-2578	-1030	-	-	-	-	-20112	-
Intl. marine bunkers	-15778	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	94	-310	442	-546	-	-	-	-	-	-
DOMESTIC SUPPLY	11343	48189	21689	70818	4117972	3406	304911	213315	6253860	4313195
Transfers	-	1040	-	124	-	-	-	-	-	-
Statistical differences	1990	-107	8	-175	-	-	-	-493	-930	-
TRANSFORMATION	1980	281	3307	201	950622	-	1787	212822	-	-
Electricity plants	395	-	1516	29	931820	-	-	164349	-	-
CHP plants	-	-	-	-	-	-	1211	-	-	-
Heat plants	1585	-	1791	172	18802	-	-	48473	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	281	-	-	-	-	576	-	-	-
ENERGY IND. OWN USE	1080	-	-	9519	-	-	-	-	724513	496247
Fuel mining and extraction	340	-	-	194	-	-	-	-	131022	28728
Oil refineries	728	-	-	9316	-	-	-	-	83608	387039
Elec., CHP and heat plants	11	-	-	9	-	-	-	-	451688	79775
Pumped storage plants	-	-	-	-	-	-	-	-	42520	-
Other energy ind. own use	1	-	-	-	-	-	-	-	15675	705
Losses	-	-	-	-	-	-	-	-	308076	47892
FINAL CONSUMPTION	10273	48841	18390	61047	3167350	3406	303124	-	5220341	3769056
INDUSTRY	3439	-	5611	21226	-	-	-	-	3311493	2530787
Iron and steel	29	-	-	19	-	-	-	-	528167	203073
Chemical and petrochemical	214	-	-	10124	-	-	-	-	560208	1313970
Non-ferrous metals	418	-	-	81	-	-	-	-	576342	152437
Non-metallic minerals	1812	-	-	218	-	-	-	-	318799	13008
Transport equipment	40	-	-	22	-	-	-	-	100938	42261
Machinery	120	-	-	107	-	-	-	-	435821	45476
Mining and quarrying	5	-	-	2	-	-	-	-	98064	36363
Food and tobacco	61	-	-	4	-	-	-	-	114231	151398
Paper, pulp and print	57	-	-	5	-	-	-	-	79141	205368
Wood and wood products	6	-	-	-	-	-	-	-	34711	10045
Construction	519	-	-	813	-	-	-	-	72562	9489
Textile and leather	69	-	-	18	-	-	-	-	197387	320204
Non-specified	89	-	5611	9813	-	-	-	-	195122	27695
TRANSPORT	5013	-	-	-	-	3406	-	-	113297	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	3406	-	-	43683	-
Rail	-	-	-	-	-	-	-	-	69614	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	5013	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1178	-	-	1	3167350	-	303124	-	1795551	1238269
Residential	-	-	-	-	3167350	-	303124	-	854039	986226
Comm. and public services	1168	-	-	1	-	-	-	-	361042	98062
Agriculture/forestry	10	-	-	-	-	-	-	-	109191	1280
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	471279	152701
NON-ENERGY USE	643	48841	12779	39820	-	-	-	-	-	-
in industry/transf./energy	643	48841	12779	11709	-	-	-	-	-	-
of which: chem./petrochem.	643	48841	-	10073	-	-	-	-	-	-
in transport	-	-	-	1669	-	-	-	-	-	-
in other	-	-	-	26442	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Non-OECD Europe and Eurasia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	109727	318001	-	206820	56662	1747	-	385132	381595	3125	33728103
From other sources	-	4297	-	-	-	-	-	-	-	-	-
Imports	10054	32854	802	3027	4354	11	-	-	-	131	2429826
Exports	-23206	-167225	-2	-8014	-2899	-4	-	-	-	-240	-11694714
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-54	317	35	-383	17	9	-	-	-	526	145525
DOMESTIC SUPPLY	96521	188244	835	201450	58134	1763	-	385132	381595	3542	24608740
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1	-1811	-6	270	20	6	-	-	-	-	-80484
TRANSFORMATION	91175	153017	157	192079	52674	1325	-	89942	103348	2282	12163868
Electricity plants	-	28591	-	89828	-	303	-	1566	3515	-	879341
CHP plants	13	102444	157	91610	-	1013	-	76829	81236	909	8675982
Heat plants	36	15644	-	7415	3	9	-	11547	18597	666	2482106
Blast furnaces	-	6338	-	-	52009	-	-	-	-	-	-
Gas works	-	-	-	-	56	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	91126	-	-	3226	455	-	-	-	-	707	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	151	-	-	-	-	-	126439
ENERGY IND. OWN USE	-	2495	-	218	-	1	-	102343	5752	71	1715600
Fuel mining and extraction	-	1305	-	97	-	1	-	-	-	-	1450770
Oil refineries	-	-	-	-	-	-	-	-	-	-	35650
Elec., CHP and heat plants	-	1190	-	121	-	-	-	-	651	17	89833
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	102343	5101	54	139347
Losses	-	5624	-	50	-	-	-	-	22149	90	407697
FINAL CONSUMPTION	5345	25297	672	9373	5480	443	-	192847	250346	1099	10241091
INDUSTRY	5191	14729	633	4059	4810	116	-	192847	250201	361	2434524
Iron and steel	10	6603	472	155	4363	-	-	191336	250201	1	692389
Chemical and petrochemical	-	364	-	104	161	42	-	-	-	-	372289
Non-ferrous metals	-	1770	-	95	1	-	-	-	-	-	20174
Non-metallic minerals	51	3677	145	736	145	7	-	926	-	352	502590
Transport equipment	-	16	-	4	21	-	-	-	-	-	30544
Machinery	-	125	-	31	15	-	-	585	-	2	85149
Mining and quarrying	-	1249	-	58	73	-	-	-	-	-	94324
Food and tobacco	-	271	16	170	31	16	-	-	-	2	139627
Paper, pulp and print	-	31	-	12	-	33	-	-	-	1	36843
Wood and wood products	-	1	-	2	-	-	-	-	-	-	13518
Construction	-	97	-	19	-	-	-	-	-	2	178965
Textile and leather	-	10	-	27	-	-	-	-	-	-	11110
Non-specified	5130	515	-	2646	-	18	-	-	-	1	257002
TRANSPORT	-	21	-	-	-	-	-	-	-	1	1623577
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	45152
Rail	-	17	-	-	-	-	-	-	-	1	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1578335
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	4	-	-	-	-	-	-	-	-	90
OTHER	154	9932	39	5304	-	327	-	-	-	737	4286132
Residential	-	5009	39	3039	-	320	-	-	-	540	3482666
Comm. and public services	154	3534	-	1445	-	7	-	-	-	144	684043
Agriculture/forestry	-	365	-	62	-	-	-	-	-	53	87582
Fishing	-	1	-	-	-	-	-	-	-	-	51
Non-specified	-	1023	-	758	-	-	-	-	-	-	31790
NON-ENERGY USE	-	615	-	10	670	-	-	-	145	-	1896858
in industry/transf./energy	-	615	-	10	670	-	-	-	145	-	1896858
of which: chem./petrochem.	-	375	-	-	-	-	-	-	-	-	1854205
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Non-OECD Europe and Eurasia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	661544	31976	-	56	18468	25896	61296	15652	205	109115
From other sources	355	-	179	-	-	-	-	-	-	-
Imports	47576	826	2400	324	-	3075	6442	1200	35	17770
Exports	-351368	-4553	-122	-39	-	-7910	-15879	-3472	-	-52880
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-10163
Intl. aviation bunkers	-	-	-	-	-	-	-	-7331	-	-2
Stock changes	-184	78	-12	-1	-	-2	86	9	14	-1236
DOMESTIC SUPPLY	357923	28327	2445	340	18468	21059	51945	6058	254	62604
Transfers	-	-2045	627	-	-	1975	52	-851	-	688
Statistical differences	-162	-	-	-	744	195	11	128	39	299
TRANSFORMATION	348716	26272	3072	340	1715	60	-	-	-	1612
Electricity plants	-	-	-	-	4	-	-	-	-	1088
CHP plants	12	-	-	-	199	1	-	-	-	260
Heat plants	826	-	-	-	1512	27	-	-	-	261
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	347878	26272	3072	340	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	32	-	-	-	3
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	1879	2	-	-	9500	92	2	8	9	3294
Fuel mining and extraction	1879	2	-	-	10	14	-	-	3	2782
Oil refineries	-	-	-	-	9465	7	-	8	-	83
Elec., CHP and heat plants	-	-	-	-	1	3	-	-	-	420
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	24	68	2	-	6	9
Losses	6994	-	-	-	-	17	5	-	-	5
FINAL CONSUMPTION	605	8	-	-	7997	23060	52001	5327	284	58680
INDUSTRY	542	6	-	-	7997	722	73	1	39	7734
Iron and steel	-	-	-	-	-	56	-	-	-	99
Chemical and petrochemical	18	6	-	-	7997	354	4	-	4	190
Non-ferrous metals	-	-	-	-	-	8	-	-	-	115
Non-metallic minerals	1	-	-	-	-	57	-	-	-	226
Transport equipment	-	-	-	-	-	14	-	-	-	148
Machinery	-	-	-	-	-	33	5	1	13	202
Mining and quarrying	-	-	-	-	-	8	1	-	2	2380
Food and tobacco	3	-	-	-	-	98	3	-	2	754
Paper, pulp and print	-	-	-	-	-	4	-	-	-	89
Wood and wood products	-	-	-	-	-	1	1	-	-	183
Construction	-	-	-	-	-	71	50	-	-	3170
Textile and leather	-	-	-	-	-	4	1	-	6	31
Non-specified	520	-	-	-	-	14	8	-	12	147
TRANSPORT	-	-	-	-	-	2688	51814	5261	14	37340
Domestic aviation	-	-	-	-	-	-	-	5259	-	3
Road	-	-	-	-	-	2677	51552	-	-	33434
Rail	-	-	-	-	-	-	28	-	-	2237
Pipeline transport	-	-	-	-	-	2	43	-	-	179
Domestic navigation	-	-	-	-	-	-	18	-	-	550
Non-specified	-	-	-	-	-	9	173	2	14	937
OTHER	18	-	-	-	-	9074	114	60	218	13597
Residential	-	-	-	-	-	7366	3	-	166	2780
Comm. and public services	-	-	-	-	-	247	44	40	2	2438
Agriculture/forestry	8	-	-	-	-	110	52	-	14	6747
Fishing	-	-	-	-	-	-	4	-	-	350
Non-specified	10	-	-	-	-	1351	11	20	36	1282
NON-ENERGY USE	45	2	-	-	-	10576	-	5	13	9
in industry/transf./energy	45	2	-	-	-	10576	-	5	13	9
of which: chem./petrochem.	-	-	-	-	-	10576	-	5	13	9
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Non-OECD Europe and Eurasia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	77464	27107	4907	18823	802191	466	9674	232389	1769860	6815908
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	7513	92	2018	3699	15558	486	-	1137	69787	-
Exports	-63381	-1109	-953	-5452	-56736	-159	-	-	-94110	-
Intl. marine bunkers	-6961	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-164	-	-	-	-	-	-
Stock changes	337	-99	-152	-2	1381	-10	-	-901	-	-
DOMESTIC SUPPLY	14972	25991	5820	16904	762394	783	9674	232625	1745537	6815908
Transfers	-62	20	-	-350	-	-	-	-	-	-
Statistical differences	-1968	-4	-128	-594	2649	-6	-1	-	-6759	3032
TRANSFORMATION	8389	131	362	62	156845	-	7757	165975	3	6055
Electricity plants	1377	-	16	5	1210	-	1094	2774	-	6055
CHP plants	4006	-	343	27	32335	-	5862	94517	-	-
Heat plants	3003	-	3	14	92789	-	801	68684	3	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	61	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	131	-	16	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	3	-	-	-	30450	-	-	-	-	-
ENERGY IND. OWN USE	1143	-	382	166	1064	-	27	6014	325800	670339
Fuel mining and extraction	-	-	-	11	1	-	-	-	130624	206999
Oil refineries	643	-	382	10	1	-	-	6014	29602	334791
Elec., CHP and heat plants	110	-	-	-	1045	-	-	-	131376	80496
Pumped storage plants	-	-	-	-	-	-	-	-	8325	-
Other energy ind. own use	390	-	-	145	17	-	27	-	25873	48053
Losses	-	-	-	2	27	-	44	-	174540	606311
FINAL CONSUMPTION	3410	25876	4948	15730	607107	777	1845	60636	1238435	5536235
INDUSTRY	1479	-	4533	413	40513	-	326	52561	523922	2088641
Iron and steel	532	-	51	33	640	-	-	18347	106962	341082
Chemical and petrochemical	66	-	13	43	735	-	120	2548	64718	592568
Non-ferrous metals	278	-	16	-	4	-	-	-	109257	11824
Non-metallic minerals	77	-	1054	104	2645	-	-	7692	28928	95588
Transport equipment	24	-	-	4	96	-	-	38	15643	87988
Machinery	22	-	-	-	888	-	-	23	27385	331412
Mining and quarrying	20	-	-	24	203	-	-	932	45269	48527
Food and tobacco	139	-	2	3	6466	-	168	3262	31998	236206
Paper, pulp and print	93	-	-	-	7358	-	-	2525	21734	175674
Wood and wood products	9	-	-	-	15251	-	-	17064	7694	57134
Construction	93	-	-	188	443	-	-	61	16588	26410
Textile and leather	11	-	-	3	947	-	-	54	4954	55537
Non-specified	115	-	3397	11	4837	-	38	15	42792	28691
TRANSPORT	214	-	-	37	8	760	-	-	98816	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	16	-	758	-	-	439	-
Rail	43	-	-	1	8	2	-	-	58749	-
Pipeline transport	10	-	-	18	-	-	-	-	22886	-
Domestic navigation	94	-	-	-	-	-	-	-	-	-
Non-specified	67	-	-	2	-	-	-	-	16742	-
OTHER	1712	-	174	518	566586	17	1519	8075	615697	3447594
Residential	107	-	12	11	494986	-	-	-	315541	2193460
Comm. and public services	375	-	162	129	59412	-	610	5525	247288	949891
Agriculture/forestry	18	-	-	6	6542	17	826	2550	48456	123400
Fishing	264	-	-	-	21	-	-	-	249	704
Non-specified	948	-	-	372	5625	-	83	-	4163	180139
NON-ENERGY USE	5	25876	241	14762	-	-	-	-	-	-
in industry/transf./energy	5	25876	241	14358	-	-	-	-	-	-
of which: chem./petrochem.	3	25876	27	2161	-	-	-	-	-	-
in transport	-	-	-	203	-	-	-	-	-	-
in other	-	-	-	197	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Middle East

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	909	206	-	-	1199	-	-	9195	13260	-	23625565
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	2491	1317	-	-	56	1	-	-	-	-	1484784
Exports	-103	-	-	-	-1	-	-	-	-	-	-6158113
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-1	-	-	-	-	-	3
DOMESTIC SUPPLY	3297	1523	-	-	1253	1	-	9195	13260	-	18952239
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	509	108	-	-	287	-	-	482	-	-	8227
TRANSFORMATION	1634	-	-	-	1189	-	-	183	6845	-	8914945
Electricity plants	-	-	-	-	-	-	-	183	6845	-	8330699
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	1189	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	1634	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	584246
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	3804	3602	-	1814752
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	982083
Oil refineries	-	-	-	-	-	-	-	-	-	-	267543
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	3804	3602	-	565126
Losses	-	-	-	-	-	-	-	1379	112	-	4128
FINAL CONSUMPTION	2172	1631	-	-	351	1	-	4311	2701	-	8226641
INDUSTRY	2172	1617	-	-	34	1	-	4311	2701	-	4501118
Iron and steel	-	-	-	-	-	-	-	4311	2701	-	72565
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	754293
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	1302	-	-	28	1	-	-	-	-	43719
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	2865
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	2172	315	-	-	6	-	-	-	-	-	3627676
TRANSPORT	-	-	-	-	-	-	-	-	-	-	318384
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	301052
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	17332
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	14	-	-	-	-	-	-	-	-	2364307
Residential	-	14	-	-	-	-	-	-	-	-	1981139
Comm. and public services	-	-	-	-	-	-	-	-	-	-	298432
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	77523
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	7213
NON-ENERGY USE	-	-	-	-	317	-	-	-	-	-	1042832
in industry/transf./energy	-	-	-	-	317	-	-	-	-	-	1042832
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	1031652
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Middle East

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	1327483	169823	-	-	7187	5527	56300	28507	16575	114622
From other sources	5180	-	392	-	-	-	-	-	-	-
Imports	10877	-	-	1814	-	1646	22694	748	206	30859
Exports	-964307	-39030	-	-	-	-54011	-11915	-8823	-12001	-54996
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-610
Intl. aviation bunkers	-	-	-	-	-	-	-	-17282	-	-
Stock changes	-10327	3838	-	-	-	-136	745	-1858	-131	-1602
DOMESTIC SUPPLY	368906	134631	392	1814	7187	-46974	67824	1292	4649	88273
Transfers	4	-98419	1114	-	-	82641	480	-	-77	3797
Statistical differences	11356	774	-	20	135	3405	-797	-2	400	-82
TRANSFORMATION	374512	35281	1506	1834	-	-	-	-	1	29288
Electricity plants	33752	-	-	-	-	-	-	-	1	29288
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	340760	35281	1506	1834	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	2838	1705	-	-	7187	934	-	-	-	1191
Fuel mining and extraction	2833	1705	-	-	-	395	-	-	-	1078
Oil refineries	5	-	-	-	7187	539	-	-	-	111
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	2
Losses	171	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	2745	-	-	-	135	38138	67507	1290	4971	61509
INDUSTRY	2745	-	-	-	135	74	-	-	14	8762
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	135	42	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	2745	-	-	-	-	32	-	-	14	8762
TRANSPORT	-	-	-	-	-	54	67473	1290	50	47050
Domestic aviation	-	-	-	-	-	-	-	1290	-	-
Road	-	-	-	-	-	54	67473	-	-	47044
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	50	6
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	8010	34	-	4752	5697
Residential	-	-	-	-	-	7374	-	-	4673	1204
Comm. and public services	-	-	-	-	-	625	34	-	59	912
Agriculture/forestry	-	-	-	-	-	-	-	-	20	2702
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	11	-	-	-	879
NON-ENERGY USE	-	-	-	-	-	30000	-	-	155	-
in industry/transf./energy	-	-	-	-	-	30000	-	-	155	-
of which: chem./petrochem.	-	-	-	-	-	30000	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Middle East

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	85031	38656	-	16736	34442	-	330	-	1080228	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	21433	793	239	2325	5	-	-	-	18006	-
Exports	-18805	-50453	-	-5022	-	-	-	-	-7599	-
Intl. marine bunkers	-28022	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	375	-273	-	118	-	-	-	-	-	-
DOMESTIC SUPPLY	60012	-11277	239	14157	34447	-	330	-	1090635	-
Transfers	-6498	17100	392	-192	-	-	-	-	-	-
Statistical differences	2798	-1261	-	-4559	2154	-	-	-	-14272	-
TRANSFORMATION	27511	-	-	553	10074	-	330	-	-	-
Electricity plants	27511	-	-	-	-	-	330	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	553	10074	-	-	-	-	-
ENERGY IND. OWN USE	2465	-	-	780	-	-	-	-	64940	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	2465	-	-	780	-	-	-	-	24218	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	40572	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	150	-
Losses	-	-	-	-	-	-	-	-	142310	-
FINAL CONSUMPTION	26336	4562	631	8073	26527	-	-	-	869113	-
INDUSTRY	21325	-	239	740	-	-	-	-	183936	-
Iron and steel	-	-	-	-	-	-	-	-	4393	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	9459	-
Non-ferrous metals	-	-	-	-	-	-	-	-	11426	-
Non-metallic minerals	-	-	239	-	-	-	-	-	979	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	687	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	21325	-	-	740	-	-	-	-	156992	-
TRANSPORT	4751	-	-	-	-	-	-	-	436	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	4751	-	-	-	-	-	-	-	436	-
OTHER	260	-	-	-	26527	-	-	-	684741	-
Residential	-	-	-	-	15175	-	-	-	373752	-
Comm. and public services	151	-	-	-	10847	-	-	-	227769	-
Agriculture/forestry	-	-	-	-	-	-	-	-	39228	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	109	-	-	-	505	-	-	-	43992	-
NON-ENERGY USE	-	4562	392	7333	-	-	-	-	-	-
in industry/transf./energy	-	4562	392	7214	-	-	-	-	-	-
of which: chem./petrochem.	-	4562	-	237	-	-	-	-	-	-
in transport	-	-	-	9	-	-	-	-	-	-
in other	-	-	-	110	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

OECD COUNTRIES

Australia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	189302	223898	25670	61473	2700	-	-	20385	16955	-	3373350
From other sources	-	-	-	-	-	-	39	-	-	-	-
Imports	20	10	-	-	189	41	-	-	-	-	238467
Exports	-187998	-201303	-	-	-712	-	-	-	-	-	-2004742
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	2243	3351	-	-	-	-18	-	-	-	-	-
DOMESTIC SUPPLY	3567	25956	25670	61473	2177	23	39	20385	16955	-	1607075
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	944	-	-	-	-	-	-	43014
TRANSFORMATION	3567	24510	23197	62393	1512	21	-	-	-	-	564677
Electricity plants	-	24449	22716	61145	-	21	-	-	-	-	461511
CHP plants	-	-	481	1248	-	-	-	-	-	-	97603
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	61 e	-	-	1512 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	39
Coke/pat.fuel/BKB/PB plants	3567	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	5524
ENERGY IND. OWN USE	-	-	-	-	-	-	-	20385	16955	-	473866
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	263877
Oil refineries	-	-	-	-	-	-	-	-	-	-	8474
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	20385	16955	-	201515
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	1446	2473	24	665	2	39	-	-	-	611546
INDUSTRY	-	1442	2473	5	665	1	-	-	-	-	336731
Iron and steel	-	38 e	-	-	437 e	-	-	-	-	-	14129
Chemical and petrochemical	-	219	-	-	18	-	-	-	-	-	69867
Non-ferrous metals	-	489	1828	-	141	-	-	-	-	-	129153
Non-metallic minerals	-	314	385	-	4	-	-	-	-	-	54871
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	2697
Mining and quarrying	-	-	117	-	65	-	-	-	-	-	5292
Food and tobacco	-	321	-	5	-	1	-	-	-	-	35594
Paper, pulp and print	-	-	143	-	-	-	-	-	-	-	14510
Wood and wood products	-	6	-	-	-	-	-	-	-	-	2318
Construction	-	-	-	-	-	-	-	-	-	-	3190
Textile and leather	-	17	-	-	-	-	-	-	-	-	5038
Non-specified	-	38	-	-	-	-	-	-	-	-	72
TRANSPORT	-	-	-	-	-	-	-	-	-	-	13242
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	4333
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	8356
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	553
OTHER	-	4	-	19	-	1	39	-	-	-	226639
Residential	-	-	-	-	-	1	-	-	-	-	165777
Comm. and public services	-	4	-	19	-	-	39	-	-	-	58361
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	2501
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	34934
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	34934
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	34934
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Australia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	15024	1644	-	-	762	385	8579	2759	9	7525
From other sources	132	-	-	-	-	-	-	-	-	-
Imports	15225	-	660	-	-	470	4852	4420	-	14891
Exports	-10668	-	-442	-	-	-1081	-54	-4	-	-44
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-68
Intl. aviation bunkers	-	-	-	-	-	-	-	-3852	-	-
Stock changes	106	-	53	-	-	-59	16	-3	-	-58
DOMESTIC SUPPLY	19819	1644	271	-	762	-285	13393	3320	9	22246
Transfers	7	-1644	1081	-	-	2094	-	-	-	-
Statistical differences	61	-	459	-	-	401	52	-370	26	26
TRANSFORMATION	19815	-	1811	-	-	-	-	-	-	1084
Electricity plants	-	-	-	-	-	-	-	-	-	1084
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	19815	-	1811	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	57	-	-	-	762	48	-	-	19	2377
Fuel mining and extraction	51	-	-	-	-	38	-	-	-	2359
Oil refineries	-	-	-	-	762	-	-	-	-	-
Elec., CHP and heat plants	6	-	-	-	-	6	-	-	17	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	4	-	-	2	18
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	15	-	-	-	-	2162	13445	2950	16	18811
INDUSTRY	15	-	-	-	-	205	6	-	3	2803
Iron and steel	-	-	-	-	-	1	-	-	-	10
Chemical and petrochemical	-	-	-	-	-	-	-	-	1	91
Non-ferrous metals	-	-	-	-	-	14	-	-	-	54
Non-metallic minerals	-	-	-	-	-	118	-	-	-	25
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	11	1	-	-	12
Mining and quarrying	-	-	-	-	-	30	-	-	-	2151
Food and tobacco	4	-	-	-	-	16	5	-	-	36
Paper, pulp and print	-	-	-	-	-	3	-	-	-	2
Wood and wood products	-	-	-	-	-	1	-	-	-	5
Construction	-	-	-	-	-	5	-	-	-	415
Textile and leather	11	-	-	-	-	4	-	-	-	1
Non-specified	-	-	-	-	-	2	-	-	2	1
TRANSPORT	-	-	-	-	-	907	13283	2950	-	13305
Domestic aviation	-	-	-	-	-	-	-	2950	-	-
Road	-	-	-	-	-	902	13008	-	-	11837
Rail	-	-	-	-	-	1	-	-	-	1064
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	270	-	-	229
Non-specified	-	-	-	-	-	4	5	-	-	175
OTHER	-	-	-	-	-	415	156	-	9	2703
Residential	-	-	-	-	-	300	-	-	-	-
Comm. and public services	-	-	-	-	-	72	-	-	8	653
Agriculture/forestry	-	-	-	-	-	43	156	-	1	2050
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	635	-	-	4	-
in industry/transf./energy	-	-	-	-	-	635	-	-	4	-
of which: chem./petrochem.	-	-	-	-	-	635	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Australia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	516	6	424	472	187324	232	17471	3915	256563	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	312	-	627	1048	-	-	-	-	-	-
Exports	-171	-	-	-268	-	-	-	-	-	-
Intl. marine bunkers	-557	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-1	-5	-	61	-	-	-	-	-	-
DOMESTIC SUPPLY	99	1	1051	1313	187324	232	17471	3915	256563	-
Transfers	-	-	-	1857	-	-	-	-	-	-
Statistical differences	220	2	323	-104	1	-	-	-	1	-
TRANSFORMATION	45	-	-	77	23491	-	14247	-	-	-
Electricity plants	45	-	-	53	4193	-	9461	-	-	-
CHP plants	-	-	-	24	19298	-	4786	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	48	-	424	166	-	-	-	-	31151	-
Fuel mining and extraction	-	-	-	2	-	-	-	-	14512	-
Oil refineries	10	-	424	-	-	-	-	-	979	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	13301	-
Pumped storage plants	-	-	-	-	-	-	-	-	415	-
Other energy ind. own use	38	-	-	164	-	-	-	-	1944	-
Losses	-	-	-	-	-	-	-	-	13562	-
FINAL CONSUMPTION	226	3	950	2823	163834	232	3224	3915	211851	-
INDUSTRY	160	-	-	372	114334	-	1094	3915	77291	-
Iron and steel	3	-	-	3	-	-	-	-	3219	-
Chemical and petrochemical	3	-	-	-	485	-	-	3736	4030	-
Non-ferrous metals	105	-	-	193	1937	-	-	-	34231	-
Non-metallic minerals	7	-	-	39	2195	-	296	-	4518	-
Transport equipment	-	-	-	-	-	-	-	-	..	-
Machinery	-	-	-	-	-	-	-	-	1385	-
Mining and quarrying	16	-	-	38	6	-	-	-	18170	-
Food and tobacco	12	-	-	50	88033	-	764	179	6239	-
Paper, pulp and print	-	-	-	48	7375	-	34	-	4013	-
Wood and wood products	2	-	-	1	14303	-	-	-	753	-
Construction	10	-	-	-	-	-	-	-	189	-
Textile and leather	2	-	-	-	-	-	-	-	533	-
Non-specified	-	-	-	-	-	-	-	-	11	-
TRANSPORT	59	-	-	19	-	232	-	-	6284	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	232	-	-	..	-
Rail	-	-	-	-	-	-	-	-	3445	-
Pipeline transport	-	-	-	19	-	-	-	-	211	-
Domestic navigation	58	-	-	-	-	-	-	-	-	-
Non-specified	1	-	-	-	-	-	-	-	2628	-
OTHER	7	-	-	41	49500	-	2130	-	128276	-
Residential	-	-	-	-	49216	-	-	-	59189	-
Comm. and public services	7	-	-	41	284	-	2130	-	67331	-
Agriculture/forestry	-	-	-	-	-	-	-	-	1756	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	3	950	2391	-	-	-	-	-	-
in industry/transf./energy	-	3	950	2391	-	-	-	-	-	-
of which: chem./petrochem.	-	-	46	1681	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	190000	226877	26918	57261	2728	-	-	20780	17735	-	4086771
From other sources	-	-	-	-	-	-	49	-	-	-	-
Imports	42	18	-	-	186	-	-	-	-	-	218653
Exports	-177199	-201739	-	-	-588	-	-	-	-	-	-2698561
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-9241	4778	-	-	-	9	-	-	-	-	-
DOMESTIC SUPPLY	3602	29934	26918	57261	2326	9	49	20780	17735	-	1606863

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	12911	1614	-	-	756	346	8131	2840	8	7315
From other sources	132	-	-	-	-	-	-	-	-	-
Imports	16017	-	428	-	-	482	5082	4627	-	15409
Exports	-9698	-	-543	-	-	-1209	-160	-54	-	-85
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-86
Intl. aviation bunkers	-	-	-	-	-	-	-	-3978	-	-
Stock changes	67	-	-40	-	-	36	152	-6	-1	233
DOMESTIC SUPPLY	19429	1614	-155	-	756	-345	13205	3429	7	22786
Transfers	7	-1614	1081	-	-	2064	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	644	8	372	325	202002	154	18294	4476	260154	-
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	312	-	656	1246	-	-	-	-	-	-
Exports	-171	-	-	-291	-	-	-	-	-	-
Intl. marine bunkers	-623	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-19	-8	-	13	-	-	-	-	-	-
DOMESTIC SUPPLY	143	-	1028	1293	202002	154	18294	4476	260154	-
Transfers	-	-	-	1857	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	1393	-	-	9954	32631	-	45338
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	1797	1534	70	10	842	16	-	-	-	-	551640
Exports	-	-	-	-	-39	-	-	-	-	-	-265048
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	19	96	-	-	83	-	-	-	-	-	2171
DOMESTIC SUPPLY	1816	1630	70	10	2279	16	-	9954	32631	-	334101
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	1816	1478	-	-	2005	-	-	3369	14568	-	91075
Electricity plants	-	438	-	-	-	-	-	3098	13648	-	22811
CHP plants	-	235	-	-	-	-	-	271	920	-	55333
Heat plants	-	-	-	-	-	-	-	-	-	-	12931
Blast furnaces	-	805	-	-	2005	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	1816	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	2	-	-	3139	16033	-	13548
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	4098
Oil refineries	-	-	-	-	-	-	-	-	-	-	7923
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	2	-	-	3139	16033	-	1527
Losses	-	-	-	-	-	-	-	7	941	-	106
FINAL CONSUMPTION	-	152	70	10	272	16	-	3439	1089	-	229372
INDUSTRY	-	148	70	9	222	-	-	3439	1089	-	125348
Iron and steel	-	-	-	-	213	-	-	3439	1089	-	17119
Chemical and petrochemical	-	29	-	-	-	-	-	-	-	-	17758
Non-ferrous metals	-	-	-	-	4	-	-	-	-	-	6659
Non-metallic minerals	-	22	70	9	-	-	-	-	-	-	19335
Transport equipment	-	-	-	-	-	-	-	-	-	-	1601
Machinery	-	-	-	-	-	-	-	-	-	-	12893
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	3071
Food and tobacco	-	-	-	-	5	-	-	-	-	-	14568
Paper, pulp and print	-	97	-	-	-	-	-	-	-	-	21305
Wood and wood products	-	-	-	-	-	-	-	-	-	-	3814
Construction	-	-	-	-	-	-	-	-	-	-	3693
Textile and leather	-	-	-	-	-	-	-	-	-	-	1550
Non-specified	-	-	-	-	-	-	-	-	-	-	1982
TRANSPORT	-	-	-	-	-	-	-	-	-	-	11946
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	799
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	11147
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	4	-	1	15	16	-	-	-	-	76389
Residential	-	4	-	1	14	13	-	-	-	-	56104
Comm. and public services	-	-	-	-	1	3	-	-	-	-	19649
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	636
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	35	-	-	-	-	-	15689
in industry/transf./energy	-	-	-	-	35	-	-	-	-	-	15689
of which: chem./petrochem.	-	-	-	-	34	-	-	-	-	-	15689
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	786	6	-	-	218	122	1671	652	21	3593
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	7332	-	144	-	-	53	759	140	-	4803
Exports	-	-	-	-	-	-68	-830	-25	-	-783
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-18
Intl. aviation bunkers	-	-	-	-	-	-	-	-737	-	-
Stock changes	67	-	156	-	-	-2	-34	1	-	-110
DOMESTIC SUPPLY	8185	6	300	-	218	105	1566	31	21	7485
Transfers	-	-	171	-	-	-	-11	-	-21	-69
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	8185	6	471	-	133	-	-	-	-	1
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	133	-	-	-	-	1
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	8185	6	471	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	85	25	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	85	25	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	80	1555	31	-	7415
INDUSTRY	-	-	-	-	-	38	-	-	-	318
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	1	-	-	-	-
Non-metallic minerals	-	-	-	-	-	2	-	-	-	2
Transport equipment	-	-	-	-	-	1	-	-	-	-
Machinery	-	-	-	-	-	11	-	-	-	3
Mining and quarrying	-	-	-	-	-	1	-	-	-	5
Food and tobacco	-	-	-	-	-	8	-	-	-	2
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	9	-	-	-	1
Construction	-	-	-	-	-	4	-	-	-	305
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	-	-
TRANSPORT	-	-	-	-	-	10	1555	31	-	5712
Domestic aviation	-	-	-	-	-	-	-	31	-	-
Road	-	-	-	-	-	10	1553	-	-	5673
Rail	-	-	-	-	-	-	-	-	-	38
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	2	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	32	-	-	-	1385
Residential	-	-	-	-	-	26	-	-	-	989
Comm. and public services	-	-	-	-	-	4	-	-	-	181
Agriculture/forestry	-	-	-	-	-	2	-	-	-	215
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	898	961	71	358	196710	500	13109	41620	68351	86262
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	16	-	71	457	15618	580	-	-	26366	-
Exports	-576	-	-	-216	-11361	-408	-	-	-19207	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	118	4	1	2	87	-6	-	-	-	-
DOMESTIC SUPPLY	456	965	143	601	201054	666	13109	41620	75510	86262
Transfers	-70	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-3	-1	-1	-	-
TRANSFORMATION	204	-	-	-	65966	1	10636	27200	-	110
Electricity plants	30	-	-	-	7964	-	10018	12584	-	110
CHP plants	133	-	-	-	30452	-	543	12366	-	-
Heat plants	29	-	-	-	27490	1	75	2250	-	-
Blast furnaces	12	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	60	-	-	-	-	-
ENERGY IND. OWN USE	33	-	71	-	-	-	-	1818	10319	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	295	-
Oil refineries	33	-	71	-	-	-	-	-	857	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	3677	-
Pumped storage plants	-	-	-	-	-	-	-	-	4253	-
Other energy ind. own use	-	-	-	-	-	-	-	1818	1237	-
Losses	-	-	-	-	-	-	-	-	3339	13434
FINAL CONSUMPTION	149	965	72	601	135088	662	2472	12601	61852	72718
INDUSTRY	149	-	52	8	57187	22	2006	12563	25693	10955
Iron and steel	1	-	-	-	11	-	30	-	2405	367
Chemical and petrochemical	15	-	-	3	1252	-	672	3207	4503	1058
Non-ferrous metals	2	-	-	-	26	-	19	183	1010	185
Non-metallic minerals	16	-	52	-	3776	-	41	7491	1848	34
Transport equipment	1	-	-	-	53	-	4	-	713	683
Machinery	19	-	-	-	287	-	49	-	3438	1031
Mining and quarrying	6	-	-	-	3	-	4	-	677	3
Food and tobacco	50	-	-	-	6293	-	285	-	2345	3004
Paper, pulp and print	5	-	-	-	30123	-	874	95	4607	901
Wood and wood products	5	-	-	-	13896	-	9	1502	1725	2574
Construction	17	-	-	5	1048	22	8	24	737	686
Textile and leather	5	-	-	-	19	-	5	-	355	19
Non-specified	7	-	-	-	400	-	6	61	1330	410
TRANSPORT	-	-	-	11	-	621	38	-	3129	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	11	-	618	17	-	14	-
Rail	-	-	-	-	-	3	-	-	2021	-
Pipeline transport	-	-	-	-	-	-	-	-	210	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	21	-	884	-
OTHER	-	-	-	-	77901	19	428	38	33030	61763
Residential	-	-	-	-	66732	-	101	-	17812	33637
Comm. and public services	-	-	-	-	4636	3	326	38	14038	27651
Agriculture/forestry	-	-	-	-	6533	16	1	-	1180	475
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	965	20	582	-	-	-	-	-	-
in industry/transf./energy	-	965	20	556	-	-	-	-	-	-
of which: chem./petrochem.	-	965	3	75	-	-	-	-	-	-
in transport	-	-	-	25	-	-	-	-	-	-
in other	-	-	-	1	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Austria: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	1397	-	-	10154	34321	-	48516
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	1751	1730	66	10	943	13	-	-	-	-	535236
Exports	-	-	-	-	-40	-	-	-	-	-	-208084
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	12	-144	-	-	-	-	-	-	-	-	-13023
DOMESTIC SUPPLY	1763	1586	66	10	2300	13	-	10154	34321	-	362645

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	735	-	-	-	264	102	1673	613	13	3744
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	7219	-	237	-	-	62	714	147	-	4847
Exports	-	-	-12	-	-	-62	-818	-30	-	-897
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-18
Intl. aviation bunkers	-	-	-	-	-	-	-	-711	-	-
Stock changes	148	-	-62	-	-	3	-12	11	-	65
DOMESTIC SUPPLY	8102	-	163	-	264	105	1557	30	13	7741
Transfers	-	-	328	-	-	-	-35	-	-13	-88

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	840	802	60	335	199953	548	10823	38353	71343	87638
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	68	-	71	490	15777	540	-	1094	29362	-
Exports	-434	-	-	-243	-12529	-410	-	-	-22817	-
Intl. marine bunkers	-	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	71	-2	-	-12	-1107	-8	-	-	-	-
DOMESTIC SUPPLY	545	800	131	570	202094	670	10823	39447	77888	87638
Transfers	-192	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Belgium

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	1248	-	-	10320	27053	-	-
From other sources	-	14	-	-	-	-	-	-	-	-	-
Imports	1477	2036	-	-	400	425	-	-	-	-	695889
Exports	-	-66	-	-	-7	-6	-	-	-	-	-26955
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	161	38	-	-	19	2	-	-	-	-	-3700
DOMESTIC SUPPLY	1638	2022	-	-	1660	421	-	10320	27053	-	665234
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	1	-	-	20	-1	-	-40	538	-	-1111
TRANSFORMATION	1636	1252	-	-	1299	-	-	98	19014	-	168133
Electricity plants	-	114	-	-	-	-	-	98	19014	-	82460
CHP plants	-	14	-	-	-	-	-	-	-	-	85673
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	1124 e	-	-	1299 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	1636	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	4821	6561	-	15945
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	15945
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	4821	6561	-	-
Losses	2	2	-	-	-	-	-	-	-	-	1138
FINAL CONSUMPTION	-	769	-	-	381	420	-	5361	2016	-	478907
INDUSTRY	-	654	-	-	143	410	-	5361	2016	-	177575
Iron and steel	-	371 e	-	-	138 e	-	-	5361	2016	-	22932
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	56682
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	5679
Non-metallic minerals	-	221	-	-	1	380	-	-	-	-	24079
Transport equipment	-	-	-	-	-	-	-	-	-	-	2197
Machinery	-	-	-	-	-	-	-	-	-	-	5710
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	480
Food and tobacco	-	24	-	-	4	-	-	-	-	-	40286
Paper, pulp and print	-	26	-	-	-	-	-	-	-	-	5721
Wood and wood products	-	-	-	-	-	-	-	-	-	-	858
Construction	-	-	-	-	-	-	-	-	-	-	2683
Textile and leather	-	-	-	-	-	-	-	-	-	-	4122
Non-specified	-	12	-	-	-	30	-	-	-	-	6146
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1765
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	240
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1525
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	115	-	-	-	10	-	-	-	-	257697
Residential	-	102	-	-	-	10	-	-	-	-	159301
Comm. and public services	-	-	-	-	-	-	-	-	-	-	87522
Agriculture/forestry	-	13	-	-	-	-	-	-	-	-	10874
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	238	-	-	-	-	-	41870
in industry/transf./energy	-	-	-	-	238	-	-	-	-	-	41870
of which: chem./petrochem.	-	-	-	-	238	-	-	-	-	-	41870
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Belgium

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	860	697	4797	1666	21	12309
From other sources	-	-	1258	-	-	-	-	-	-	-
Imports	31870	58	1691	-	-	2278	1440	491	84	11119
Exports	-	-	-2654	-	-	-852	-5136	-770	-113	-11659
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1438
Intl. aviation bunkers	-	-	-	-	-	-	-	-1400	-	-
Stock changes	99	-	-40	-	-	-23	15	39	18	313
DOMESTIC SUPPLY	31969	58	255	-	860	2100	1116	26	10	10644
Transfers	-	-12	1478	-	-	-	295	-	53	-385
Statistical differences	9	-	-2	-	-	1	-14	10	-1	9
TRANSFORMATION	31978	46	1731	-	24	-	-	-	2	2
Electricity plants	-	-	-	-	-	-	-	-	2	-
CHP plants	-	-	-	-	24	-	-	-	-	2
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	31978	46	1731	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	836	-	-	-	-	2
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	836	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	1
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	1
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	2101	1397	36	60	10264
INDUSTRY	-	-	-	-	-	300	5	-	3	210
Iron and steel	-	-	-	-	-	-	-	-	-	10
Chemical and petrochemical	-	-	-	-	-	266	-	-	-	18
Non-ferrous metals	-	-	-	-	-	-	-	-	-	1
Non-metallic minerals	-	-	-	-	-	-	-	-	-	7
Transport equipment	-	-	-	-	-	-	-	-	-	5
Machinery	-	-	-	-	-	-	-	-	-	15
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	1	-	-	-	8
Paper, pulp and print	-	-	-	-	-	1	-	-	-	1
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	5	-	-	56
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	32	-	-	3	88
TRANSPORT	-	-	-	-	-	59	1360	2	3	6838
Domestic aviation	-	-	-	-	-	-	-	2	-	-
Road	-	-	-	-	-	59	1360	-	-	6609
Rail	-	-	-	-	-	-	-	-	-	48
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	2	181
Non-specified	-	-	-	-	-	-	-	-	1	-
OTHER	-	-	-	-	-	123	32	34	54	3216
Residential	-	-	-	-	-	80	23	-	27	2197
Comm. and public services	-	-	-	-	-	42	-	-	10	710
Agriculture/forestry	-	-	-	-	-	1	9	-	6	309
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	34	11	-
NON-ENERGY USE	-	-	-	-	-	1619	-	-	-	-
in industry/transf./energy	-	-	-	-	-	1619	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	1619	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Belgium

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	5349	2443	315	5174	54091	471	9496	44283	85520	37350
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	4079	4221	236	1016	32320	353	-	328	14648	-
Exports	-4183	-998	-215	-2145	-	-310	-	-	-8465	-
Intl. marine bunkers	-5443	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-83	-36	3	48	-	-	-	-	-	-
DOMESTIC SUPPLY	-281	5630	339	4093	86411	514	9496	44611	91703	37350
Transfers	362	13	-	-1776	-	-	-	-	-	-
Statistical differences	1	23	-2	-24	-	-	-	-	123	-23
TRANSFORMATION	2	1258	-	-	31216	5	5633	37250	-	10551
Electricity plants	-	-	-	-	21126	-	920	16440	-	10551
CHP plants	2	-	-	-	10090	5	4713	20810	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	1258	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	14	-	315	-	-	-	-	1207	6128	5632
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	14	-	315	-	-	-	-	-	1375	5580
Elec., CHP and heat plants	-	-	-	-	-	-	-	1207	3278	-
Pumped storage plants	-	-	-	-	-	-	-	-	1475	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	52
Losses	-	-	-	-	-	-	-	-	3850	309
FINAL CONSUMPTION	66	4408	22	2293	55195	509	3863	6154	81848	20835
INDUSTRY	41	1202	22	-	27748	2	1140	6154	37942	17742
Iron and steel	1	-	-	-	-	-	-	75	4480	-
Chemical and petrochemical	-	1202	-	-	44	1	227	153	13720	14597
Non-ferrous metals	1	-	-	-	-	-	-	8	1864	-
Non-metallic minerals	21	-	22	-	5263	-	-	5195	2802	-
Transport equipment	-	-	-	-	-	-	-	-	2014	-
Machinery	1	-	-	-	40	1	-	-	570	-
Mining and quarrying	-	-	-	-	-	-	-	-	440	-
Food and tobacco	2	-	-	-	2342	-	671	-	5722	1783
Paper, pulp and print	8	-	-	-	11972	-	105	723	2569	1337
Wood and wood products	-	-	-	-	8086	-	-	-	368	-
Construction	6	-	-	-	-	-	-	-	861	-
Textile and leather	-	-	-	-	-	-	76	-	1119	25
Non-specified	1	-	-	-	1	-	61	-	1413	-
TRANSPORT	-	-	-	-	-	505	-	-	1631	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	505	-	-	22	-
Rail	-	-	-	-	-	-	-	-	1573	-
Pipeline transport	-	-	-	-	-	-	-	-	36	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1	-	-	-	27447	2	2723	-	42275	3093
Residential	-	-	-	-	25829	-	-	-	18848	35
Comm. and public services	-	-	-	-	1155	-	1166	-	21763	2831
Agriculture/forestry	1	-	-	-	462	2	1557	-	1664	227
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	24	3206	-	2293	-	-	-	-	-	-
in industry/transf./energy	24	3206	-	2265	-	-	-	-	-	-
of which: chem./petrochem.	24	3206	-	1356	-	-	-	-	-	-
in transport	-	-	-	16	-	-	-	-	-	-
in other	-	-	-	12	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Belgium: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	1236	-	-	10142	27614	-	-
From other sources	-	16	-	-	-	-	-	-	-	-	-
Imports	1635	1935	-	-	463	373	-	-	-	-	687429
Exports	-	-72	-	-	-9	-4	-	-	-	-	-29354
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-14	219	-	-	2	-4	-	-	-	-	10819
DOMESTIC SUPPLY	1621	2098	-	-	1692	365	-	10142	27614	-	668894

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	917	739	4608	1942	31	12846
From other sources	-	-	1170	-	-	-	-	-	-	-
Imports	34117	23	1338	-	-	1555	1157	1473	48	10620
Exports	-	-	-2440	-	-	-857	-4550	-1820	-161	-12517
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1044
Intl. aviation bunkers	-	-	-	-	-	-	-	-1631	-	-
Stock changes	-29	-	4	-	-	19	51	66	-5	923
DOMESTIC SUPPLY	34088	23	72	-	917	1456	1266	30	-87	10828
Transfers	-	-23	1346	-	-	-	205	-39	137	-707

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	7487	2319	305	4093	54927	563	9358	45635	86209	37821
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	4955	4232	451	2486	32264	323	-	..	14189	-
Exports	-6445	-1263	-470	-2657	-	-317	-	-	-8168	-
Intl. marine bunkers	-6710	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	91	15	38	-27	-	-	-	-	-	-
DOMESTIC SUPPLY	-622	5303	324	3895	87191	569	9358	45635	92230	37821
Transfers	713	21	-	-1625	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Canada

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	25016	2745	23608	9962	2194	-	-	20312	21587	-	6793447
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	3451	1596	1262	10	979	-	-	-	-	-	790553
Exports	-28039	-2192	-13	-86	-44	-	-	-	-	-	-3199055
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	1950	988	-1971	-1173	-172	-	-	-	-	-	23205
DOMESTIC SUPPLY	2378	3137	22886	8713	2957	-	-	20312	21587	-	4408150
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	752	385	230	444	-105	-	-	-	-	-	-117726
TRANSFORMATION	2830	2680	22827	8858	1965	-	-	317	-	-	828949
Electricity plants	-	2680	22827	8858	-	-	-	283	-	-	568039
CHP plants	-	-	-	-	-	-	-	-	-	-	121682
Heat plants	-	-	-	-	-	-	-	34	-	-	-
Blast furnaces	-	-	-	-	1965 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	2830	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	139228
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	1335926
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	1277573
Oil refineries	-	-	-	-	-	-	-	-	-	-	58353
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	300	842	289	299	887	-	-	19995	21587	-	2125549
INDUSTRY	300	841	289	204	853	-	-	19995	21587	-	645427
Iron and steel	300	-	-	-	744 e	-	-	19995	21587	-	69302
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	188029
Non-ferrous metals	-	270	-	-	-	-	-	-	-	-	23767
Non-metallic minerals	-	289	289	-	70	-	-	-	-	-	35789
Transport equipment	-	-	-	-	-	-	-	-	-	-	12813
Machinery	-	-	-	-	-	-	-	-	-	-	12543
Mining and quarrying	-	-	-	-	39	-	-	-	-	-	35314
Food and tobacco	-	-	-	-	-	-	-	-	-	-	70596
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	80326
Wood and wood products	-	-	-	-	-	-	-	-	-	-	11440
Construction	-	-	-	-	-	-	-	-	-	-	18515
Textile and leather	-	-	-	-	-	-	-	-	-	-	4281
Non-specified	-	282	-	204	-	-	-	-	-	-	82712
TRANSPORT	-	-	-	-	-	-	-	-	-	-	168729
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1822
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	166907
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	19	-	-	-	-	-	-	1165993
Residential	-	-	-	19	-	-	-	-	-	-	613918
Comm. and public services	-	-	-	-	-	-	-	-	-	-	513890
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	38185
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	1	-	76	34	-	-	-	-	-	145400
in industry/transf./energy	-	1	-	76	34	-	-	-	-	-	145400
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	145400
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Canada

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	203325	15938	-	-	3051	1294	31779	4573	813	29489
From other sources	2361	-	-	-	-	-	-	-	-	-
Imports	46689	1727	-	4099	-	244	3785	2675	118	1456
Exports	-161279	-3809	-	-	-	-151	-7306	-468	-	-6605
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-180
Intl. aviation bunkers	-	-	-	-	-	-	-	-597	-	-
Stock changes	-98	-23	-	-	-	52	89	1	17	301
DOMESTIC SUPPLY	90998	13833	-	4099	3051	1439	28347	6184	948	24461
Transfers	-7966	-9538	11294	-4098	5356	7645	3657	7	-	773
Statistical differences	-2658	-3139	6	-1	1	359	1707	-727	-566	3013
TRANSFORMATION	80374	1156	11300	-	296	-	26	-	-	290
Electricity plants	-	-	-	-	296	-	26	-	-	290
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	80374	1156	11300	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	8112	315	-	-	21	2994
Fuel mining and extraction	-	-	-	-	5343	266	-	-	21	2965
Oil refineries	-	-	-	-	2769	49	-	-	-	29
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	9128	33685	5464	361	24963
INDUSTRY	-	-	-	-	-	160	743	19	27	3647
Iron and steel	-	-	-	-	-	-	-	-	-	c
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	c
Non-ferrous metals	-	-	-	-	-	-	-	-	-	c
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	87	-	-	6	894
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	27
Wood and wood products	-	-	-	-	-	-	-	-	c	591
Construction	-	-	-	-	-	73	-	-	7	1823
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	743	19	14	312
TRANSPORT	-	-	-	-	-	240	31304	4962	-	15176
Domestic aviation	-	-	-	-	-	-	-	4915	-	-
Road	-	-	-	-	-	240	31277	-	-	12576
Rail	-	-	-	-	-	-	-	-	-	1874
Pipeline transport	-	-	-	-	-	-	6	-	-	20
Domestic navigation	-	-	-	-	-	-	-	-	-	660
Non-specified	-	-	-	-	-	-	21	47	-	46
OTHER	-	-	-	-	-	1304	1638	483	334	6140
Residential	-	-	-	-	-	339	-	-	62	1342
Comm. and public services	-	-	-	-	-	761	391	483	269	1532
Agriculture/forestry	-	-	-	-	-	204	1247	-	3	3266
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	7424	-	-	-	-
in industry/transf./energy	-	-	-	-	-	7424	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	7424	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Canada

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	4115	3892	1361	8283	465806	1721	16977	13618	667438	25561
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	787	1	2744	1123	4636	1200	-	-	9302	-
Exports	-3023	-456	-43	-2789	-38207	-373	-	-	-73455	-
Intl. marine bunkers	-245	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	158	33	-13	186	-	-	-	-	-	-
DOMESTIC SUPPLY	1792	3470	4049	6803	432235	2548	16977	13618	603285	25561
Transfers	-157	-170	2035	-8271	-	-	-	-	-	-
Statistical differences	738	1119	-550	9115	-7	1	-	-	-13580	-
TRANSFORMATION	751	-	1038	-	110790	-	13894	7658	-	-
Electricity plants	711	-	1038	-	110790	-	8714	2038	-	-
CHP plants	40	-	-	-	-	-	1492	1383	-	-
Heat plants	-	-	-	-	-	-	3688	4237	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	23	21	2638	1188	-	-	78	-	50046	-
Fuel mining and extraction	-	-	2018	-	-	-	-	-	26093	-
Oil refineries	23	21	620	1188	-	-	-	-	5146	-
Elec., CHP and heat plants	-	-	-	-	-	-	78	-	18597	-
Pumped storage plants	-	-	-	-	-	-	-	-	210	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	64982	-
FINAL CONSUMPTION	1599	4398	1858	6459	321438	2549	3005	5960	474677	25561
INDUSTRY	542	-	606	-	195758	-	2360	5960	168756	22773
Iron and steel	c	-	c	-	-	-	61	-	8817	57
Chemical and petrochemical	c	-	c	-	-	-	-	-	21395	10969
Non-ferrous metals	-	-	c	-	-	-	-	-	49851	-
Non-metallic minerals	18	-	516	-	-	-	-	5960	7342	-
Transport equipment	-	-	-	-	-	-	-	-	3592	-
Machinery	-	-	-	-	-	-	-	-	2128	-
Mining and quarrying	291	-	-	-	-	-	-	-	6049	-
Food and tobacco	-	-	-	-	-	-	-	-	5898	94
Paper, pulp and print	124	-	-	-	195758	-	2299	-	38066	2008
Wood and wood products	23	-	-	-	-	-	-	-	3897	-
Construction	19	-	-	-	-	-	-	-	-	33
Textile and leather	-	-	-	-	-	-	-	-	833	-
Non-specified	67	-	90	-	-	-	-	-	20888	9612
TRANSPORT	712	-	-	-	-	2549	-	-	6910	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	2549	-	-	834	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	6076	-
Domestic navigation	712	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	345	-	-	-	125680	-	645	-	299011	2788
Residential	9	-	-	-	125680	-	-	-	164166	-
Comm. and public services	77	-	-	-	-	-	638	-	115688	1954
Agriculture/forestry	259	-	-	-	-	-	7	-	10024	1
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	9133	833
NON-ENERGY USE	-	4398	1252	6459	-	-	-	-	-	-
in industry/transf./energy	-	4398	1252	3396	-	-	-	-	-	-
of which: chem./petrochem.	-	4398	c	-	-	-	-	-	-	-
in transport	-	-	-	22	-	-	-	-	-	-
in other	-	-	-	3041	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Canada: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	26860	2563	22694	9247	2213	-	-	20190	20897	-	7191902
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	3794	2280	1386	18	846	-	-	-	-	-	943667
Exports	-28945	-1982	-49	-84	-5	-	-	-	-	-	-3305021
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	574	151	-1748	-349	84	-	-	-	-	-	-58906
DOMESTIC SUPPLY	2283	3012	22283	8832	3138	-	-	20190	20897	-	4771642

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	220356	16874	-	-	2912	1415	33030	5602	645	32504
From other sources	2361	-	-	-	-	-	-	-	-	-
Imports	44705	1700	-	3760	-	230	5551	1894	1	1292
Exports	-170138	-4821	-	-	-	-198	-8077	-781	-	-7180
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-180
Intl. aviation bunkers	-	-	-	-	-	-	-	-584	-	-
Stock changes	-157	-80	-	-	-	-9	-2	-70	-29	-160
DOMESTIC SUPPLY	97127	13673	-	3760	2912	1438	30502	6061	617	26276
Transfers	-7966	-8541	9581	-3760	4390	7267	2960	-23	-	1084

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	4736	3610	1242	8701	488500	1715	16977	13793	674432	25460
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	852	1	2137	1263	4450	1354	-	-	9904	-
Exports	-3061	-545	-75	-3483	-34420	-297	-	-	-72656	-
Intl. marine bunkers	-245	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-22	27	35	-141	-	-	-	-	-	-
DOMESTIC SUPPLY	2260	3093	3339	6340	458530	2772	16977	13793	611680	25460
Transfers	-377	3	2035	-6181	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Chile

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	2525	-	-	418	-	-	3820	2947	-	47112
From other sources	-	-	-	-	-	-	213	-	-	-	90
Imports	467	11118	-	-	-	-	-	-	-	-	170076
Exports	-	-870	-	-	-146	-	-	-	-	-	-14084
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-281	-	-	72	-	-	-	-	-	-833
DOMESTIC SUPPLY	467	12492	-	-	344	-	213	3820	2947	-	202361
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	48	-236	-	-	14	-	-11	-	-	-	-15004
TRANSFORMATION	515	11917	-	-	241	-	-	-	-	-	99409
Electricity plants	-	11917	-	-	-	-	-	-	-	-	99283
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	241 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	126
Coke/pat.fuel/BKB/PB plants	515	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	3584	2653	-	6767
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	5981
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	3584	2653	-	786
Losses	-	-	-	-	-	-	-	236	294	-	2572
FINAL CONSUMPTION	-	339	-	-	117	-	202	-	-	-	78609
INDUSTRY	-	337	-	-	117	-	16	-	-	-	38066
Iron and steel	-	-	-	-	104 e	-	-	-	-	-	210
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	5749
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	11	-	-	-	-	-	-	-	-	460
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	112	-	-	5	-	3	-	-	-	7961
Food and tobacco	-	115	-	-	6	-	-	-	-	-	43
Paper, pulp and print	-	13	-	-	-	-	-	-	-	-	7300
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	86	-	-	2	-	13	-	-	-	16343
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1139
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1139
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	2	-	-	-	-	186	-	-	-	27373
Residential	-	-	-	-	-	-	72	-	-	-	21473
Comm. and public services	-	-	-	-	-	-	114	-	-	-	5897
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	2	-	-	-	-	-	-	-	-	3
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	12031
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	12031
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	12031
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Chile

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	203	41	-	-	203	251	2974	556	161	2907
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	8183	-	-	302	-	1070	455	605	-	5573
Exports	-	-	-	-	-	-12	-22	-	-	-57
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-548	-	-
Stock changes	49	-	-	-10	-	31	2	-38	-	-67
DOMESTIC SUPPLY	8435	41	-	292	203	1340	3409	575	161	8356
Transfers	-	-41	903	-	-	-36	-63	-	-57	-112
Statistical differences	-	-	247	57	-	-42	-57	-86	-2	15
TRANSFORMATION	8435	-	1150	349	-	2	-	-	-	494
Electricity plants	-	-	-	-	-	-	-	-	-	494
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	8435	-	1150	349	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	2	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	203	13	-	-	-	1
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	203	13	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	1
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	1247	3289	489	102	7764
INDUSTRY	-	-	-	-	-	249	-	41	11	2829
Iron and steel	-	-	-	-	-	1	-	-	-	7
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	2	-	-	-	8
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	8	-	14	7	2029
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	8	-	-	-	20
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	230	-	27	4	765
TRANSPORT	-	-	-	-	-	28	3289	445	5	4341
Domestic aviation	-	-	-	-	-	-	-	445	-	3
Road	-	-	-	-	-	28	3288	-	5	4173
Rail	-	-	-	-	-	-	-	-	-	43
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	1	-	-	122
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	970	-	3	86	594
Residential	-	-	-	-	-	808	-	-	82	1
Comm. and public services	-	-	-	-	-	158	-	3	4	407
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	4	-	-	-	186
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Chile

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1220	48	365	744	322096	-	3747	-	79308	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	42	135	211	6	28	-	-	-	-	-
Exports	-326	-	-46	-	-	-	-	-	-2	-
Intl. marine bunkers	-135	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	15	-14	-15	-7	-467	-	-	-	-	-
DOMESTIC SUPPLY	816	169	515	743	321657	-	3747	-	79306	-
Transfers	-	-169	-	-425	-	-	-	-	-	-
Statistical differences	27	-	43	-	9451	-	-	-	-2749	-
TRANSFORMATION	71	-	240	-	175406	-	2855	-	-	-
Electricity plants	71	-	240	-	-	-	-	-	-	-
CHP plants	-	-	-	-	172653	-	2855	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	2753 ^e	-	-	-	-	-
ENERGY IND. OWN USE	80	-	-	-	-	-	-	-	3513	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	73	-	-	-	-	-	-	-	622	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	2854	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	7	-	-	-	-	-	-	-	37	-
Losses	-	-	-	-	422	-	687	-	2873	-
FINAL CONSUMPTION	692	-	318	318	155281	-	205	-	70171	-
INDUSTRY	396	-	318	-	81246	-	-	-	43611	-
Iron and steel	-	-	-	-	-	-	-	-	590	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	43	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	300	-	430	-	-	-	319	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	145	-	-	-	-	-	-	-	24286	-
Food and tobacco	-	-	-	-	8	-	-	-	-	-
Paper, pulp and print	171	-	-	-	62664	-	-	-	5532	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	80	-	18	-	18144	-	-	-	12841	-
TRANSPORT	215	-	-	-	-	-	-	-	986	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	6	-	-	-	-	-	-	-	466	-
Rail	-	-	-	-	-	-	-	-	475	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	209	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	45	-
OTHER	81	-	-	-	74035	-	205	-	25574	-
Residential	-	-	-	-	73206	-	-	-	13600	-
Comm. and public services	15	-	-	-	829	-	205	-	11889	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	66	-	-	-	-	-	-	-	85	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	318	-	-	-	-	-	-
in industry/transf./energy	-	-	-	318	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Chile: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	2495	-	-	515	-	-	4703	2917	-	47777
From other sources	-	-	-	-	-	-	213	-	-	-	-
Imports	575	10541	-	-	-	-	-	-	-	-	173870
Exports	-	-914	-	-	-46	-	-	-	-	-	-10837
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-124	-	-	-	-	-	-2146
DOMESTIC SUPPLY	575	12122	-	-	345	-	213	4703	2917	-	208664

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	160	108	-	-	211	204	3069	593	162	2782
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	8766	-	-	318	-	1184	524	344	-	5588
Exports	-	-	-	-	-	-	-64	-	-	-42
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-455	-	-
Stock changes	-25	-	-	-12	-	40	-27	-3	1	25
DOMESTIC SUPPLY	8901	108	-	306	211	1428	3502	479	163	8353
Transfers	-	-108	770	-	-	-33	-	-	-57	-86

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1223	37	487	581	309234	-	3811	-	78946	-
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	42	165	15	1	-	-	-	-	2	-
Exports	-326	-	-	..	-	-	-	-	-36	-
Intl. marine bunkers	-136	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	4	8	-36	-21	-	-	-	-	-	-
DOMESTIC SUPPLY	807	210	466	561	309234	-	3811	-	78912	-
Transfers	-	-210	-	-276	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Czech Republic

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	3384	3401	-	38528	2396	118	16933	17859	26368	-	8384
From other sources	-	230	-	-	-	-	-	-	-	-	-
Imports	1661	1904	-	138	844	159	-	-	-	-	312387
Exports	-2088	-1428	-	-855	-550	-3	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	160	664	-	405	-2	-1	-	-	-	-	5628
DOMESTIC SUPPLY	3117	4771	-	38216	2688	273	16933	17859	26368	-	326399
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-231	-175	-	26	103	-19	-	415	-474	-	-
TRANSFORMATION	2886	3912	-	35067	1990	-	16658	4717	9289	-	67100
Electricity plants	-	-	-	7547	-	-	-	-	-	-	13411
CHP plants	-	3586	-	25763	5	-	16658	4717	9289	-	24935
Heat plants	-	7	-	155	1	-	-	-	-	-	28754
Blast furnaces	-	319	-	-	1842	-	-	-	-	-	-
Gas works	-	-	-	1402	75	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	2886	-	-	200	67	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	847	-	-	275	7744	6694	-	3696
Fuel mining and extraction	-	-	-	847	-	-	275	-	848	-	101
Oil refineries	-	-	-	-	-	-	-	-	-	-	3595
Elec., CHP and heat plants	-	-	-	-	-	-	-	308	60	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	7436	5786	-	-
Losses	-	29	-	45	-	-	-	195	1447	-	5128
FINAL CONSUMPTION	-	655	-	2283	801	254	-	5618	8464	-	250475
INDUSTRY	-	313	-	803	333	118	-	5618	7716	-	93748
Iron and steel	-	96	-	18	259	-	-	5522	6383	-	9125
Chemical and petrochemical	-	37	-	514	4	-	-	-	1273	-	7609
Non-ferrous metals	-	-	-	-	4	-	-	-	-	-	2191
Non-metallic minerals	-	160	-	20	52	118	-	66	59	-	22732
Transport equipment	-	-	-	18	-	-	-	-	-	-	7252
Machinery	-	2	-	16	7	-	-	30	1	-	11292
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	2268
Food and tobacco	-	18	-	94	7	-	-	-	-	-	13951
Paper, pulp and print	-	-	-	102	-	-	-	-	-	-	4398
Wood and wood products	-	-	-	3	-	-	-	-	-	-	517
Construction	-	-	-	4	-	-	-	-	-	-	4094
Textile and leather	-	-	-	8	-	-	-	-	-	-	4099
Non-specified	-	-	-	6	-	-	-	-	-	-	4220
TRANSPORT	-	1	-	1	-	-	-	-	-	-	2536
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	2281
Rail	-	1	-	1	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	255
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	340	-	1479	35	136	-	-	-	-	149526
Residential	-	338	-	1402	31	120	-	-	-	-	92746
Comm. and public services	-	1	-	59	3	16	-	-	-	-	52460
Agriculture/forestry	-	1	-	18	1	-	-	-	-	-	2845
Fishing	-	-	-	-	-	-	-	-	-	-	5
Non-specified	-	-	-	-	-	-	-	-	-	-	1470
NON-ENERGY USE	-	1	-	-	433	-	-	-	748	-	4665
in industry/transf./energy	-	1	-	-	433	-	-	-	748	-	4665
of which: chem./petrochem.	-	-	-	-	433	-	-	-	748	-	4665
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Czech Republic

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	117	-	-	70	101	255	1179	60	-	2498
From other sources	-	-	49	5	-	-	-	-	-	-
Imports	5325	-	21	16	-	183	796	276	2	2789
Exports	-28	-	-	-	-	-139	-384	-	-	-808
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-306	-	-
Stock changes	8	-	-2	-3	-	-5	-7	11	-	8
DOMESTIC SUPPLY	5422	-	68	88	101	294	1584	41	2	4487
Transfers	-	-	132	-	-	-	-52	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	5
TRANSFORMATION	5422	-	200	88	12	7	-	-	-	2
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	12	7	-	-	-	2
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	5422	-	200	88	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	89	-	-	-	-	16
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	16
Oil refineries	-	-	-	-	89	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	287	1532	41	2	4474
INDUSTRY	-	-	-	-	-	31	-	-	-	75
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	3	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	2	-	-	-	6
Transport equipment	-	-	-	-	-	1	-	-	-	1
Machinery	-	-	-	-	-	3	-	-	-	2
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	2	-	-	-	2
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	1
Construction	-	-	-	-	-	3	-	-	-	53
Textile and leather	-	-	-	-	-	1	-	-	-	-
Non-specified	-	-	-	-	-	16	-	-	-	10
TRANSPORT	-	-	-	-	-	99	1532	41	-	4051
Domestic aviation	-	-	-	-	-	-	-	41	-	-
Road	-	-	-	-	-	99	1532	-	-	3970
Rail	-	-	-	-	-	-	-	-	-	77
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	4
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	53	-	-	2	342
Residential	-	-	-	-	-	43	-	-	-	-
Comm. and public services	-	-	-	-	-	6	-	-	-	12
Agriculture/forestry	-	-	-	-	-	4	-	-	-	322
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	2	8
NON-ENERGY USE	-	-	-	-	-	104	-	-	-	6
in industry/transf./energy	-	-	-	-	-	104	-	-	-	6
of which: chem./petrochem.	-	-	-	-	-	104	-	-	-	6
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Czech Republic

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	104	394	62	951	124330	265	25161	16329	83309	128439
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	6	8	707	8732	262	-	-	13817	33
Exports	-84	-277	-2	-463	-11397	-161	-	-	-24791	-83
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	22	3	-	-11	-	-4	-	-	-	-
DOMESTIC SUPPLY	42	126	68	1184	121665	362	25161	16329	72335	128389
Transfers	17	52	-	-128	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-1	-	-	-1947	-3766
TRANSFORMATION	20	-	-	49	26307	-	18272	5101	7	1005
Electricity plants	6	-	-	-	298	-	557	-	-	1005
CHP plants	7	-	-	-	24825	-	17715	4727	-	-
Heat plants	7	-	-	-	1184	-	-	374	7	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	49	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	62	-	-	-	-	-	10251	27383
Fuel mining and extraction	-	-	-	-	-	-	-	-	1222	919
Oil refineries	-	-	62	-	-	-	-	-	286	2409
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	6911	22601
Pumped storage plants	-	-	-	-	-	-	-	-	1570	-
Other energy ind. own use	-	-	-	-	-	-	-	-	262	1454
Losses	-	-	-	-	-	-	-	-	4080	7110
FINAL CONSUMPTION	39	178	6	1007	95358	361	6889	11228	56050	89125
INDUSTRY	29	-	-	10	19904	-	267	9077	23204	25436
Iron and steel	-	-	-	-	1	-	-	-	2280	2856
Chemical and petrochemical	2	-	-	9	43	-	-	121	3450	10452
Non-ferrous metals	-	-	-	-	1	-	-	-	405	38
Non-metallic minerals	5	-	-	1	77	-	-	8939	2365	365
Transport equipment	-	-	-	-	10	-	-	-	2915	1797
Machinery	2	-	-	-	114	-	-	-	4069	2632
Mining and quarrying	1	-	-	-	8	-	-	-	372	44
Food and tobacco	3	-	-	-	337	-	135	-	1589	3130
Paper, pulp and print	1	-	-	-	11970	-	128	-	1741	1031
Wood and wood products	4	-	-	-	7024	-	-	-	483	109
Construction	-	-	-	-	112	-	-	-	492	283
Textile and leather	-	-	-	-	1	-	4	-	871	371
Non-specified	11	-	-	-	206	-	-	17	2172	2328
TRANSPORT	-	-	-	-	-	361	-	-	1636	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	353	-	-	69	-
Rail	-	-	-	-	-	8	-	-	1536	-
Pipeline transport	-	-	-	-	-	-	-	-	31	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	10	-	-	1	75454	-	6622	2151	31210	63689
Residential	-	-	-	-	74395	-	-	-	14935	44253
Comm. and public services	8	-	-	-	653	-	881	2151	15327	19136
Agriculture/forestry	2	-	-	-	406	-	5741	-	940	300
Fishing	-	-	-	-	-	-	-	-	8	-
Non-specified	-	-	-	1	-	-	-	-	-	-
NON-ENERGY USE	-	178	6	996	-	-	-	-	-	-
in industry/transf./energy	-	178	6	850	-	-	-	-	-	-
of which: chem./petrochem.	-	178	-	307	-	-	-	-	-	-
in transport	-	-	-	146	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Czech Republic: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	2913	2688	-	39310	2676	128	15177	20320	23940	-	8768
From other sources	-	102	-	-	-	-	-	-	-	-	-
Imports	2060	1577	-	172	505	208	-	-	-	-	341211
Exports	-1466	-948	-	-948	-637	-7	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-105	154	-	-807	-28	-1	-	-	-	-	-14989
DOMESTIC SUPPLY	3402	3573	-	37727	2516	328	15177	20320	23940	-	334990

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	108	-	-	105	145	358	1521	180	-	3403
From other sources	-	-	78	18	-	-	-	-	-	-
Imports	7814	-	21	13	-	170	575	210	2	2019
Exports	-24	-	-	-	-	-90	-591	-1	-	-857
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-352	-	-
Stock changes	-34	-	5	2	-	1	3	10	-	48
DOMESTIC SUPPLY	7864	-	104	138	145	439	1508	47	2	4613
Transfers	-	-	131	-	-	-	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	169	840	102	1465	129303	259	25391	17303	87032	127112
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	-	110	8	659	9000	246	-	-	15072	52
Exports	-149	-21	-3	-644	-11500	-123	-	-	-28109	-84
Intl. marine bunkers	-	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	26	13	-	-21	-	-2	-	-	-	-
DOMESTIC SUPPLY	46	942	107	1459	126803	380	25391	17303	73995	127080
Transfers	10	-	-	-119	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Denmark

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	188595
From other sources	-	-	-	-	-	-	816	-	-	-	-
Imports	-	2886	-	-	11	-	-	-	-	-	28463
Exports	-	-21	-	-	-	-	-	-	-	-	-88240
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	522	-	-	1	-	-	-	-	-	5071
DOMESTIC SUPPLY	-	3387	-	-	12	-	816	-	-	-	133889
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	229	-	-	-2	-	-2	-	-	-	1220
TRANSFORMATION	-	3432	-	-	-	-	-	-	-	-	41696
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	3430	-	-	-	-	-	-	-	-	24128
Heat plants	-	2	-	-	-	-	-	-	-	-	16915
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	653
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	24370
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	24370
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	33	-	-	-	128
FINAL CONSUMPTION	-	184	-	-	10	-	781	-	-	-	68915
INDUSTRY	-	160	-	-	10	-	227	-	-	-	29808
Iron and steel	-	-	-	-	-	-	-	-	-	-	1810
Chemical and petrochemical	-	21	-	-	-	-	187	-	-	-	4957
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	87	-	-	8	-	-	-	-	-	4632
Transport equipment	-	-	-	-	-	-	-	-	-	-	247
Machinery	-	-	-	-	-	-	-	-	-	-	2323
Mining and quarrying	-	4	-	-	-	-	-	-	-	-	726
Food and tobacco	-	48	-	-	2	-	39	-	-	-	12191
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	1599
Wood and wood products	-	-	-	-	-	-	-	-	-	-	90
Construction	-	-	-	-	-	-	-	-	-	-	381
Textile and leather	-	-	-	-	-	-	-	-	-	-	248
Non-specified	-	-	-	-	-	-	1	-	-	-	604
TRANSPORT	-	-	-	-	-	-	-	-	-	-	146
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	146
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	24	-	-	-	-	554	-	-	-	38961
Residential	-	-	-	-	-	-	510	-	-	-	28429
Comm. and public services	-	-	-	-	-	-	44	-	-	-	8438
Agriculture/forestry	-	24	-	-	-	-	-	-	-	-	1867
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	227
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Denmark

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	6924	-	-	-	287	102	2098	130	-	4703
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	3834	-	-	-	-	32	494	1062	-	3751
Exports	-3877	-	-408	-	-	-80	-1086	-86	-	-2815
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-411
Intl. aviation bunkers	-	-	-	-	-	-	-	-914	-	-
Stock changes	26	-	53	-	-	-1	20	-114	-	20
DOMESTIC SUPPLY	6907	-	-355	-	287	53	1526	78	-	5248
Transfers	-	-	2490	-	-	-8	-225	-	-	-1686
Statistical differences	87	-	13	-	-	9	-32	-32	-	-209
TRANSFORMATION	6994	-	2148	-	31	1	-	-	-	19
Electricity plants	-	-	-	-	-	-	-	-	-	3
CHP plants	-	-	-	-	31	1	-	-	-	3
Heat plants	-	-	-	-	-	-	-	-	-	13
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	6994	-	2148	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	256	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	256	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	53	1269	46	-	3334
INDUSTRY	-	-	-	-	-	24	-	-	-	170
Iron and steel	-	-	-	-	-	1	-	-	-	1
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	3
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	5	-	-	-	7
Transport equipment	-	-	-	-	-	-	-	-	-	1
Machinery	-	-	-	-	-	7	-	-	-	8
Mining and quarrying	-	-	-	-	-	1	-	-	-	17
Food and tobacco	-	-	-	-	-	6	-	-	-	11
Paper, pulp and print	-	-	-	-	-	1	-	-	-	2
Wood and wood products	-	-	-	-	-	-	-	-	-	2
Construction	-	-	-	-	-	2	-	-	-	116
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	-	2
TRANSPORT	-	-	-	-	-	-	1248	46	-	2483
Domestic aviation	-	-	-	-	-	-	-	30	-	-
Road	-	-	-	-	-	-	1248	-	-	2234
Rail	-	-	-	-	-	-	-	-	-	80
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	150
Non-specified	-	-	-	-	-	-	-	16	-	19
OTHER	-	-	-	-	-	29	21	-	-	681
Residential	-	-	-	-	-	16	20	-	-	189
Comm. and public services	-	-	-	-	-	9	-	-	-	52
Agriculture/forestry	-	-	-	-	-	4	1	-	-	319
Fishing	-	-	-	-	-	-	-	-	-	121
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Denmark

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1771	-	-	-	66497	7	9146	34980	30522	136675
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	3412	-	244	265	50447	284	-	5491	14976	128
Exports	-4527	-	-1	-4	-	-32	-	-	-9919	-
Intl. marine bunkers	-258	-	-	-2	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	194	-	-	-1	-	15	-	-	-	-
DOMESTIC SUPPLY	592	-	243	258	116944	274	9146	40471	35579	136803
Transfers	-571	-	-	-	-	-	-	-	-	-
Statistical differences	80	-	-2	1	-1	-3	68	2	2	-207
TRANSFORMATION	42	-	-	-	66268	8	5947	38389	219	-
Electricity plants	-	-	-	-	-	-	15	-	-	-
CHP plants	37	-	-	-	45796	-	5311	34409	-	-
Heat plants	5	-	-	-	20472	8	621	3980	219	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	12	-	-	-	-	-	148	-	2328	2151
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	12	-	-	-	-	-	-	-	302	578
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	1476	1573
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	148	-	550	-
Losses	-	-	-	-	-	-	-	-	1880	27004
FINAL CONSUMPTION	47	-	241	259	50675	263	3119	2084	31154	107441
INDUSTRY	46	-	241	-	4732	-	1447	1495	8427	2772
Iron and steel	-	-	-	-	1	-	-	-	449	154
Chemical and petrochemical	3	-	-	-	-	-	-	-	1345	463
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	4	-	241	-	74	-	-	1429	749	258
Transport equipment	-	-	-	-	44	-	-	-	93	32
Machinery	2	-	-	-	726	-	-	8	1436	494
Mining and quarrying	2	-	-	-	1253	-	-	-	76	26
Food and tobacco	34	-	-	-	1	-	1436	43	2388	822
Paper, pulp and print	-	-	-	-	121	-	-	13	354	122
Wood and wood products	1	-	-	-	2012	-	-	-	212	73
Construction	-	-	-	-	-	-	11	-	373	-
Textile and leather	-	-	-	-	8	-	-	-	121	42
Non-specified	-	-	-	-	492	-	-	2	831	286
TRANSPORT	-	-	-	-	-	263	4	-	417	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	263	4	-	-	-
Rail	-	-	-	-	-	-	-	-	417	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1	-	-	-	45943	-	1668	589	22310	104669
Residential	-	-	-	-	42357	-	797	-	10296	70417
Comm. and public services	-	-	-	-	1399	-	682	589	10271	32667
Agriculture/forestry	1	-	-	-	2187	-	189	-	1743	1585
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	259	-	-	-	-	-	-
in industry/transf./energy	-	-	-	218	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	1	-	-	-	-	-	-
in transport	-	-	-	32	-	-	-	-	-	-
in other	-	-	-	9	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Denmark: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	202001
From other sources	-	-	-	-	-	-	614	-	-	-	-
Imports	-	3075	-	-	12	-	-	-	-	-	21606
Exports	-	-	-	-	-	-	-	-	-	-	-93374
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-423	-	-	-	-	-	-	-	-	-2809
DOMESTIC SUPPLY	-	2652	-	-	12	-	614	-	-	-	127424

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	6734	-	-	-	307	118	2244	123	-	4449
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	4808	-	84	-	-	38	387	944	-	2623
Exports	-4093	-	-456	-	-	-87	-1209	-181	-	-2344
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-355
Intl. aviation bunkers	-	-	-	-	-	-	-	-942	-	-
Stock changes	32	-	-2	-	-	-4	30	136	-	328
DOMESTIC SUPPLY	7481	-	-374	-	307	65	1452	80	-	4701
Transfers	-	-	1671	-	-	-12	-158	-	-	-1051

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1637	-	-	..	82073	7	10122	38566	30426	134820
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	997	-	226	197	62263	288	-	6054	15218	124
Exports	-2445	-	-1	..	-	-32	-	-	-10655	-
Intl. marine bunkers	-141	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	483	-	27	1	-	15	-	-	-	-
DOMESTIC SUPPLY	531	-	252	198	144336	278	10122	44620	34989	134944
Transfers	-450	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Estonia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	13	-	5250	-	-	15778	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	23	-	-	-	-	-	-	-	-	19923
Exports	-	-	-	-	-13	-	-	-	-	-18	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	4	-	-	-	-	-	-	-	3208	-
DOMESTIC SUPPLY	-	27	-	-	-	-	5250	-	-	18968	19923
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	5250	-	-	18668	6955
Electricity plants	-	-	-	-	-	-	2600	-	-	12967	-
CHP plants	-	-	-	-	-	-	2650	-	-	609	575
Heat plants	-	-	-	-	-	-	-	-	-	17	6380
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	664	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	57	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	4354	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	39	1225
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	32	242
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	7	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	983
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	27	-	-	-	-	-	-	-	261	11743
INDUSTRY	-	20	-	-	-	-	-	-	-	48	4954
Iron and steel	-	-	-	-	-	-	-	-	-	-	14
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	199
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	53
Non-metallic minerals	-	20	-	-	-	-	-	-	-	48	813
Transport equipment	-	-	-	-	-	-	-	-	-	-	92
Machinery	-	-	-	-	-	-	-	-	-	-	241
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	255
Food and tobacco	-	-	-	-	-	-	-	-	-	-	1123
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	1086
Wood and wood products	-	-	-	-	-	-	-	-	-	-	446
Construction	-	-	-	-	-	-	-	-	-	-	339
Textile and leather	-	-	-	-	-	-	-	-	-	-	112
Non-specified	-	-	-	-	-	-	-	-	-	-	181
TRANSPORT	-	-	-	-	-	-	-	-	-	-	192
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	192
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	7	-	-	-	-	-	-	-	6	6597
Residential	-	3	-	-	-	-	-	-	-	-	2692
Comm. and public services	-	-	-	-	-	-	-	-	-	4	3690
Agriculture/forestry	-	4	-	-	-	-	-	-	-	2	215
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	207	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	207	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Includes the quantities of oil shale.

Estonia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ³	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	-	-	-	-	-	-	-	-	-	-
From other sources	724	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	36	479	64	-	814
Exports	-636	-	-	-	-	-14	-256	-43	-	-5
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-111
Intl. aviation bunkers	-	-	-	-	-	-	-	-21	-	-
Stock changes	-	-	-	-	-	-1	25	-	-	-33
DOMESTIC SUPPLY	88	-	-	-	-	21	248	-	-	665
Transfers	-88	-	-	-	-	-	-	-	-	31
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	13
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	13
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	21	248	-	-	683
INDUSTRY	-	-	-	-	-	5	4	-	-	55
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	2	-	-	-	5
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	1
Transport equipment	-	-	-	-	-	-	-	-	-	1
Machinery	-	-	-	-	-	1	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	5
Food and tobacco	-	-	-	-	-	1	-	-	-	5
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	3
Construction	-	-	-	-	-	1	4	-	-	34
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	1
TRANSPORT	-	-	-	-	-	5	242	-	-	514
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	5	242	-	-	480
Rail	-	-	-	-	-	-	-	-	-	15
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	19
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	11	2	-	-	114
Residential	-	-	-	-	-	7	-	-	-	3
Comm. and public services	-	-	-	-	-	2	1	-	-	21
Agriculture/forestry	-	-	-	-	-	2	1	-	-	90
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Estonia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁶ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	58441	-	448	2944	12176	23940
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	371	-	-	60	485	4	-	-	3577	-
Exports	-176	-	-	-11	-21311	-	-	-	-5614	-
Intl. marine bunkers	-167	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-3	-	-	-	-3	-	-	8	-	-
DOMESTIC SUPPLY	25	-	-	49	37612	4	448	2952	10139	23940
Transfers	57	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	160	-546
TRANSFORMATION	60	-	-	-	20659	-	233	1945	-	-
Electricity plants	40	-	-	-	594	-	-	350	-	-
CHP plants	1	-	-	-	10688	-	233	1595	-	-
Heat plants	19	-	-	-	9377	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	4	-	-	-	50	-	8	459	2277	373
Fuel mining and extraction	4	-	-	-	-	-	-	-	201	2
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	50	-	8	459	1752	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	324	371
Losses	-	-	-	-	-	-	-	-	723	3244
FINAL CONSUMPTION	18	-	-	49	16903	4	207	548	7299	19777
INDUSTRY	13	-	-	-	350	-	116	548	2152	1582
Iron and steel	-	-	-	-	-	-	-	-	1	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	114	693
Non-ferrous metals	-	-	-	-	-	-	-	-	5	-
Non-metallic minerals	-	-	-	-	1	-	-	548	161	81
Transport equipment	-	-	-	-	16	-	-	-	67	64
Machinery	-	-	-	-	46	-	-	-	294	213
Mining and quarrying	-	-	-	-	-	-	-	-	18	3
Food and tobacco	6	-	-	-	8	-	-	-	320	140
Paper, pulp and print	-	-	-	-	-	-	116	-	403	38
Wood and wood products	3	-	-	-	217	-	-	-	412	78
Construction	3	-	-	-	40	-	-	-	83	91
Textile and leather	1	-	-	-	3	-	-	-	74	68
Non-specified	-	-	-	-	19	-	-	-	200	113
TRANSPORT	-	-	-	-	-	4	-	-	48	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	4	-	-	17	-
Rail	-	-	-	-	-	-	-	-	12	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	19	-
OTHER	5	-	-	-	16553	-	91	-	5099	18195
Residential	-	-	-	-	16068	-	-	-	1913	13057
Comm. and public services	2	-	-	-	370	-	91	-	2971	5060
Agriculture/forestry	3	-	-	-	115	-	-	-	209	78
Fishing	-	-	-	-	-	-	-	-	6	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	49	-	-	-	-	-	-
in industry/transf./energy	-	-	-	48	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	1	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

6. Includes both primary and secondary solid biofuels.

Estonia: provisional energy supply for 2017

SUPPLY	Coal (kt)					Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)	
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas			Recovered gases ¹
Production	-	-	-	-	19	-	5995	-	-	20056	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	45	-	-	-	-	-	-	-	-	18924
Exports	-	-	-	-	-19	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-93	-
DOMESTIC SUPPLY	-	45	-	-	-	-	5995	-	-	19963	18924

SUPPLY	Oil (kt)									
	Crude oil ³	NGL	Feed- stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	-	-	-	-	-	-	-	-	-	-
From other sources	938	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	8	453	71	-	785
Exports	-878	-	-	-	-	-	-167	-43	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-112
Intl. aviation bunkers	-	-	-	-	-	-	-	-28	-	-
Stock changes	-	-	-	-	-	2	-26	-	-	-13
DOMESTIC SUPPLY	60	-	-	-	-	10	260	-	-	660
Transfers	-60	-	-	-	-	-	-	-	-	31

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio- fuels ⁶ (TJ)	Liquid bio- fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	..	60000	-	620	4500	13150	23940
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	481	-	-	60	670	4	-	-	2281	-
Exports	-303	-	-	-11	-25900	-	-	-	-5015	-
Intl. marine bunkers	-157	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	20	-	-	..	-	-	-	-	-	-
DOMESTIC SUPPLY	41	-	-	49	34770	4	620	4500	10416	23940
Transfers	29	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.
2. Includes the quantities of oil shale.
3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.
4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.
5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.
6. Includes both primary and secondary solid biofuels.

Finland

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	921	-	-	8731	15345	3031	-
From other sources	-	-	-	-	-	-	-	-	-	-	327
Imports	1289	2723	-	-	323	-	-	-	-	45	95787
Exports	-	-	-	-	-91	-	-	-	-	-	-15
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-89	973	-	-	-83	-	-	-	-	2572	-
DOMESTIC SUPPLY	1200	3696	-	-	1070	-	-	8731	15345	5648	96099
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	22	-116	-	-	-2	-	-	-	-	-	-534
TRANSFORMATION	1222	3370	-	-	914	-	-	786	6617	4776	62239
Electricity plants	-	805	-	-	-	-	-	539	4718	480	298
CHP plants	-	2134	-	-	-	-	-	61	1081	3434	33609
Heat plants	-	165	-	-	-	-	-	186	818	862	15492
Blast furnaces	-	265 e	-	-	697 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	1222	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	1	-	-	217	-	-	-	-	-	12840
ENERGY IND. OWN USE	-	-	-	-	-	-	-	3336	5424	-	4100
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	4100
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	3336	5424	-	-
Losses	-	-	-	-	-	-	-	617	848	-	77
FINAL CONSUMPTION	-	210	-	-	154	-	-	3992	2456	872	29149
INDUSTRY	-	206	-	-	154	-	-	3992	2456	657	24694
Iron and steel	-	39 e	-	-	137 e	-	-	3273	1781	-	2591
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	1134
Non-ferrous metals	-	-	-	-	9	-	-	-	-	-	53
Non-metallic minerals	-	62	-	-	7	-	-	719	675	1	1201
Transport equipment	-	-	-	-	-	-	-	-	-	-	10
Machinery	-	-	-	-	-	-	-	-	-	-	284
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	21	-	-	1	-	-	-	-	-	749
Paper, pulp and print	-	84	-	-	-	-	-	-	-	650	18049
Wood and wood products	-	-	-	-	-	-	-	-	-	6	4
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	166
Non-specified	-	-	-	-	-	-	-	-	-	-	453
TRANSPORT	-	-	-	-	-	-	-	-	-	-	393
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	184
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	140
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	69
OTHER	-	4	-	-	-	-	-	-	-	215	2606
Residential	-	-	-	-	-	-	-	-	-	19	1247
Comm. and public services	-	-	-	-	-	-	-	-	-	10	1311
Agriculture/forestry	-	4	-	-	-	-	-	-	-	186	48
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	1456
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	1456
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	1456
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Finland

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	70	559	275	4409	572	-	5899
From other sources	229	-	236	-	-	-	-	-	-	-
Imports	11249	904	-	-	-	738	594	308	350	1923
Exports	-	-	-	-	-	-10	-2991	-5	-78	-3813
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-41
Intl. aviation bunkers	-	-	-	-	-	-	-	-621	-	-
Stock changes	-59	-	31	-	-	57	15	2	-	43
DOMESTIC SUPPLY	11419	904	267	70	559	1060	2027	256	272	4011
Transfers	-	-	1810	-	-	-17	-233	-	-250	-296
Statistical differences	86	34	-	-20	-	-18	-398	-145	-22	377
TRANSFORMATION	11505	938	2077	50	28	4	-	-	-	48
Electricity plants	-	-	-	-	-	-	-	-	-	7
CHP plants	-	-	-	-	-	-	-	-	-	4
Heat plants	-	-	-	-	28	4	-	-	-	37
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	11505	938	2077	50	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	413	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	413	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	39	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	79	1021	1396	111	-	4044
INDUSTRY	-	-	-	-	-	454	2	-	-	488
Iron and steel	-	-	-	-	-	94	-	-	-	2
Chemical and petrochemical	-	-	-	-	-	217	-	-	-	5
Non-ferrous metals	-	-	-	-	-	17	-	-	-	6
Non-metallic minerals	-	-	-	-	-	13	-	-	-	12
Transport equipment	-	-	-	-	-	3	-	-	-	7
Machinery	-	-	-	-	-	12	-	-	-	20
Mining and quarrying	-	-	-	-	-	5	-	-	-	25
Food and tobacco	-	-	-	-	-	13	-	-	-	11
Paper, pulp and print	-	-	-	-	-	35	-	-	-	5
Wood and wood products	-	-	-	-	-	3	-	-	-	5
Construction	-	-	-	-	-	-	2	-	-	339
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	42	-	-	-	50
TRANSPORT	-	-	-	-	-	-	1322	59	-	2563
Domestic aviation	-	-	-	-	-	-	-	59	-	-
Road	-	-	-	-	-	-	1291	-	-	2462
Rail	-	-	-	-	-	-	-	-	-	21
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	31	-	-	80
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	7	72	52	-	993
Residential	-	-	-	-	-	4	-	-	-	318
Comm. and public services	-	-	-	-	-	-	-	-	-	210
Agriculture/forestry	-	-	-	-	-	3	7	-	-	314
Fishing	-	-	-	-	-	-	-	-	-	30
Non-specified	-	-	-	-	-	-	65	52	-	121
NON-ENERGY USE	-	-	-	-	79	560	-	-	-	-
in industry/transf./energy	-	-	-	-	79	560	-	-	-	-
of which: chem./petrochem.	-	-	-	-	79	521	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Finland

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1554	133	128	803	347879	152	4694	24227	68752	196325
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1221	375	52	358	2344	101	-	-	22110	-
Exports	-1324	-137	-	-569	-1327	c	-	-	-3159	-
Intl. marine bunkers	-253	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	104	-	-	8	-	c	-	-	-	-
DOMESTIC SUPPLY	1302	371	180	600	348896	253	4694	24227	87703	196325
Transfers	-965	-49	-	14	-	-	-	-	-	-
Statistical differences	154	186	6	-77	-	-	-1	-	1	-1
TRANSFORMATION	204	-	-	21	133809	5	4008	19986	389	1858
Electricity plants	15	-	-	-	9842	-	1902	992	-	1858
CHP plants	24	-	-	3	92378	1	1459	16989	-	-
Heat plants	163	-	-	18	31589	4	353	2005	389	-
Blast furnaces	2 e	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	294	-	-	-
ENERGY IND. OWN USE	-	-	128	-	-	41	-	-	3781	5500
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	128	-	-	41	-	-	1227	5500
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	2554	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	2704	16197
FINAL CONSUMPTION	287	508	58	516	215087	207	685	4241	80830	172769
INDUSTRY	181	13	58	25	151282	1	193	4241	38517	54877
Iron and steel	2 e	-	-	-	1	-	-	-	4414	4035
Chemical and petrochemical	34	13	-	11	299	-	-	469	5007	11052
Non-ferrous metals	8	-	-	-	-	-	-	2	1850	2180
Non-metallic minerals	3	-	58	14	134	-	71	1670	711	518
Transport equipment	1	-	-	-	-	-	-	-	350	1058
Machinery	1	-	-	-	19	-	-	-	2029	3855
Mining and quarrying	5	-	-	-	41	-	10	-	1871	121
Food and tobacco	16	-	-	-	136	-	67	-	1705	7893
Paper, pulp and print	107	-	-	-	141051	1	12	1969	17961	15060
Wood and wood products	3	-	-	-	9501	-	-	18	1299	6885
Construction	-	-	-	-	-	-	-	-	416	-
Textile and leather	1	-	-	-	-	-	13	-	124	280
Non-specified	-	-	-	-	100	-	20	113	780	1940
TRANSPORT	10	-	-	-	-	200	8	-	708	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	198	8	-	9	-
Rail	-	-	-	-	-	-	-	-	699	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	10	-	-	-	-	2	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	52	-	-	-	63805	6	484	-	41605	117892
Residential	6	-	-	-	54445	-	-	-	22514	70539
Comm. and public services	38	-	-	-	3150	-	463	-	17514	41270
Agriculture/forestry	8	-	-	-	6210	1	21	-	1577	549
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	5	-	-	-	5534
NON-ENERGY USE	44	495	-	491	-	-	-	-	-	-
in industry/transf./energy	44	495	-	491	-	-	-	-	-	-
of which: chem./petrochem.	44	340	-	98	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Finland: provisional energy supply for 2017

SUPPLY	Coal (kt)					Coal gases (TJ)			Peat (kt)	Natural gas (TJ)	
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas			Recovered gases ¹
Production	-	-	-	-	908	-	-	9152	14541	3085	-
From other sources	-	-	-	-	-	-	-	-	-	-	398
Imports	1502	2708	-	-	253	-	-	-	-	10	89144
Exports	-14	-	-	-	-144	-	-	-	-	-16	-160
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-301	489	-	-	-6	-	-	-	-	2321	-
DOMESTIC SUPPLY	1187	3197	-	-	1011	-	-	9152	14541	5400	89382

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	70	517	282	4411	750	-	6105
From other sources	207	-	236	-	-	-	-	-	-	-
Imports	11899	481	-	-	-	722	605	161	140	1776
Exports	-	-	-	-	-	-	-3123	-1	-121	-3544
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-68
Intl. aviation bunkers	-	-	-	-	-	-	-	-646	-	-
Stock changes	136	-	60	-	-	-103	-19	4	-	202
DOMESTIC SUPPLY	12242	481	296	70	517	901	1874	268	19	4471
Transfers	-	-	1440	-	-	-42	-233	-	-	-302

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1612	99	128	518	360975	333	5150	25200	67425	194888
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	1079	337	138	883	..	122	-	-	22204	-
Exports	-1177	-76	-	-557	..	c	-	-	-1778	-
Intl. marine bunkers	-278	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-51	-14	-	1	-	c	-	-	-	-
DOMESTIC SUPPLY	1185	346	266	845	360975	455	5150	25200	87851	194888
Transfers	-914	51	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

France

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	3227	-	-	26767	48416	-	837
From other sources	-	-	-	-	-	-	-	-	-	-	774
Imports	4463	7261	-	99	370	73	-	-	-	-	1918226
Exports	-	-	-	-	-83	-	-	-	-	-	-155205
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-120	1130	-	8	-91	-	-	-	-	-	17340
DOMESTIC SUPPLY	4343	8391	-	107	3423	73	-	26767	48416	-	1781972
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-1137	-	-1	165	-	-	-2867	-4699	-	-
TRANSFORMATION	4343	5173	-	1	2544	-	-	4962	19077	-	304082
Electricity plants	-	2982	-	-	-	-	-	4736	19077	-	166348
CHP plants	-	101	-	-	-	-	-	226	-	-	104438
Heat plants	-	244	-	-	-	-	-	-	-	-	33296
Blast furnaces	-	1846 e	-	1 e	2544 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	4343	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	18938	24640	-	52758
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	39
Oil refineries	-	-	-	-	-	-	-	-	-	-	50691
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	18938	24640	-	2028
Losses	-	-	-	-	-	-	-	-	-	-	20574
FINAL CONSUMPTION	-	2081	-	105	1044	73	-	-	-	-	1404558
INDUSTRY	-	1673	-	105	911	44	-	-	-	-	457132
Iron and steel	-	574 e	-	1 e	786 e	-	-	-	-	-	33664
Chemical and petrochemical	-	506	-	14	16	6	-	-	-	-	95201
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	15533
Non-metallic minerals	-	319	-	26	43	11	-	-	-	-	72091
Transport equipment	-	-	-	-	10	-	-	-	-	-	19195
Machinery	-	1	-	-	26	-	-	-	-	-	30220
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	2006
Food and tobacco	-	247	-	64	30	27	-	-	-	-	110784
Paper, pulp and print	-	26	-	-	-	-	-	-	-	-	41023
Wood and wood products	-	-	-	-	-	-	-	-	-	-	2140
Construction	-	-	-	-	-	-	-	-	-	-	15449
Textile and leather	-	-	-	-	-	-	-	-	-	-	6480
Non-specified	-	-	-	-	-	-	-	-	-	-	13346
TRANSPORT	-	-	-	-	-	-	-	-	-	-	3169
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	2323
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	846
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	96	-	-	-	29	-	-	-	-	892709
Residential	-	35	-	-	-	20	-	-	-	-	561138
Comm. and public services	-	59	-	-	-	8	-	-	-	-	321541
Agriculture/forestry	-	2	-	-	-	1	-	-	-	-	9992
Fishing	-	-	-	-	-	-	-	-	-	-	38
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	312	-	-	133	-	-	-	-	-	51548
in industry/transf./energy	-	312	-	-	132	-	-	-	-	-	51548
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	51548
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	1	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

France

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	815	-	-	177	1322	1522	11120	3739	-	24707
From other sources	-	-	1171	-	-	-	-	-	-	-
Imports	54268	794	203	121	-	2988	1023	4254	198	21488
Exports	-	-	-	-42	-	-1150	-4531	-1117	-51	-2035
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-96
Intl. aviation bunkers	-	-	-	-	-	-	-	-5708	-	-
Stock changes	916	-39	159	3	-	12	-113	-47	-	-234
DOMESTIC SUPPLY	55999	755	1533	259	1322	3372	7499	1121	147	43830
Transfers	-	-350	1273	-259	-	-	259	-67	-	4
Statistical differences	6	-1	26	-	-11	723	-1226	58	20	-324
TRANSFORMATION	56005	404	2832	-	210	236	-	-	-	307
Electricity plants	-	-	-	-	51	-	-	-	-	128
CHP plants	-	-	-	-	159	-	-	-	-	2
Heat plants	-	-	-	-	-	-	-	-	-	7
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	56005	404	2832	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	236	-	-	-	170
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	1004	8	-	-	-	5
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	1004	8	-	-	-	5
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	97	3851	6532	1112	167	43198
INDUSTRY	-	-	-	-	97	307	-	-	-	973
Iron and steel	-	-	-	-	-	6	-	-	-	29
Chemical and petrochemical	-	-	-	-	97	36	-	-	-	15
Non-ferrous metals	-	-	-	-	-	2	-	-	-	4
Non-metallic minerals	-	-	-	-	-	35	-	-	-	44
Transport equipment	-	-	-	-	-	13	-	-	-	7
Machinery	-	-	-	-	-	61	-	-	-	40
Mining and quarrying	-	-	-	-	-	16	-	-	-	166
Food and tobacco	-	-	-	-	-	96	-	-	-	35
Paper, pulp and print	-	-	-	-	-	8	-	-	-	9
Wood and wood products	-	-	-	-	-	4	-	-	-	16
Construction	-	-	-	-	-	-	-	-	-	590
Textile and leather	-	-	-	-	-	7	-	-	-	7
Non-specified	-	-	-	-	-	23	-	-	-	11
TRANSPORT	-	-	-	-	-	72	6504	787	-	31414
Domestic aviation	-	-	-	-	-	-	-	787	-	-
Road	-	-	-	-	-	72	6219	-	-	31168
Rail	-	-	-	-	-	-	-	-	-	131
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	285	-	-	115
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1406	28	325	167	9682
Residential	-	-	-	-	-	812	-	-	167	4604
Comm. and public services	-	-	-	-	-	305	9	-	-	1890
Agriculture/forestry	-	-	-	-	-	285	15	-	-	2706
Fishing	-	-	-	-	-	-	-	-	-	256
Non-specified	-	-	-	-	-	4	4	325	-	226
NON-ENERGY USE	-	-	-	-	-	2066	-	-	-	1129
in industry/transf./energy	-	-	-	-	-	2066	-	-	-	1129
of which: chem./petrochem.	-	-	-	-	-	2066	-	-	-	1129
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

France

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	7514	4974	542	3337	464592	2824	31822	133647	556184	179773
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	3643	1815	834	2649	-	1059	-	-	19903	-
Exports	-5649	-3483	-53	-2315	-	-236	-	-	-61404	-
Intl. marine bunkers	-1402	-	-	-18	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	161	24	9	9	-	-27	-	-	-	-
DOMESTIC SUPPLY	4267	3330	1332	3662	464592	3620	31822	133647	514683	179773
Transfers	-1264	-	-	477	-	-	-	-	-	-
Statistical differences	-2244	1107	14	716	-	18	-	-	1401	-
TRANSFORMATION	280	582	-	329	91892	1	24131	120291	145	-
Electricity plants	243	-	-	74	14415	1	9554	41362	-	-
CHP plants	16	-	-	72	56582	-	13757	44999	-	-
Heat plants	21	-	-	-	20895	-	123	33930	145	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	582	-	183	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	697	-	-	-
ENERGY IND. OWN USE	54	-	542	2	-	-	118	2891	36789	2301
Fuel mining and extraction	-	-	-	-	-	-	-	-	401	-
Oil refineries	54	-	542	2	-	-	-	-	2622	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	5	23241	-
Pumped storage plants	-	-	-	-	-	-	-	-	6724	-
Other energy ind. own use	-	-	-	-	-	-	118	2886	3801	2301
Losses	-	-	-	-	-	-	-	-	36778	36426
FINAL CONSUMPTION	425	3855	804	4524	372700	3637	7573	10465	442372	141046
INDUSTRY	352	-	602	-	62513	-	3332	83	116971	57399
Iron and steel	1	-	8	-	7	-	-	-	12021	-
Chemical and petrochemical	25	-	-	-	5298	-	1344	-	19276	-
Non-ferrous metals	4	-	-	-	-	-	-	-	8802	-
Non-metallic minerals	166	-	594	-	5946	-	160	-	8087	-
Transport equipment	1	-	-	-	295	-	-	-	7122	-
Machinery	2	-	-	-	147	-	-	-	12846	-
Mining and quarrying	2	-	-	-	146	-	341	-	1566	-
Food and tobacco	100	-	-	-	5415	-	951	-	20432	-
Paper, pulp and print	36	-	-	-	30779	-	510	17	7800	-
Wood and wood products	3	-	-	-	13025	-	-	-	2194	-
Construction	-	-	-	-	-	-	26	66	6873	-
Textile and leather	3	-	-	-	4	-	-	-	1549	-
Non-specified	9	-	-	-	1451	-	-	-	8403	57399
TRANSPORT	44	-	-	-	-	3637	-	-	10784	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	3637	-	-	159	-
Rail	-	-	-	-	-	-	-	-	9682	-
Pipeline transport	-	-	-	-	-	-	-	-	705	-
Domestic navigation	44	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	238	-
OTHER	29	-	-	-	310187	-	4241	10382	314617	83647
Residential	-	-	-	-	291078	-	-	-	159396	51939
Comm. and public services	-	-	-	-	13639	-	3707	10382	145797	31340
Agriculture/forestry	20	-	-	-	5470	-	534	-	8602	368
Fishing	-	-	-	-	-	-	-	-	194	-
Non-specified	9	-	-	-	-	-	-	-	628	-
NON-ENERGY USE	-	3855	202	4524	-	-	-	-	-	-
in industry/transf./energy	-	3855	202	4216	-	-	-	-	-	-
of which: chem./petrochem.	-	3855	-	1210	-	-	-	-	-	-
in transport	-	-	-	226	-	-	-	-	-	-
in other	-	-	-	82	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

France: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	3356	-	-	27824	53338	-	658
From other sources	-	-	-	-	-	-	-	-	-	-	1462
Imports	4287	9735	-	61	494	83	-	-	-	-	2007600
Exports	-	-	-	-	-6	-	-	-	-	-	-252252
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	227	-431	-	-3	-224	-	-	-	-	-	33349
DOMESTIC SUPPLY	4514	9304	-	58	3620	83	-	27824	53338	-	1790817

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	757	-	-	197	1298	1628	11525	4257	-	24865
From other sources	-	-	1215	-	-	-	-	-	-	-
Imports	56582	626	-	118	-	3136	1389	4395	212	21480
Exports	-	-	-	-53	-	-1224	-4352	-1193	-72	-2522
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-99
Intl. aviation bunkers	-	-	-	-	-	-	-	-6135	-	-
Stock changes	-417	39	36	-3	-	-15	-14	-135	-	152
DOMESTIC SUPPLY	56922	665	1251	259	1298	3525	8548	1189	140	43876
Transfers	-	-529	1000	-259	-	-	259	-72	-	4

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	6901	5240	484	3818	452241	2905	34253	138955	554074	179876
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	3518	2554	948	2610	-	1224	-	-	21120	-
Exports	-4710	-3397	-56	-2500	-	-382	-	-	-61230	-
Intl. marine bunkers	-1588	-	-	-18	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	92	-65	11	-17	-	-8	-	-	-	-
DOMESTIC SUPPLY	4213	4332	1387	3893	452241	3739	34253	138955	513964	179876
Transfers	-991	-	-	661	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Germany

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	2164	1914	-	171547	9387	6418	-	77811	182184	-	304749
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	12320	45437	-	26	2388	156	-	-	-	-	3796620
Exports	-	-278	-	-	-715	-1381	-	-	-	-	-899143
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	648	-1715	-	-532	-	50	-	-	-	-	69540
DOMESTIC SUPPLY	15132	45358	-	171041	11060	5243	-	77811	182184	-	3271766
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	2059	-1299	245	-	-6448	-	-	156934
TRANSFORMATION	15132	42062	-	171777	9491	944	-	25475	80367	-	809795
Electricity plants	2269	30560	-	150023	-	327	-	14293	66262	-	144689
CHP plants	444	6267	-	6765	-	544	-	10354	14101	-	562862
Heat plants	28	394	-	87	1	73	-	828	4	-	102244
Blast furnaces	-	4841	-	-	9490	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	12391	-	-	14902	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	703	-	11	-	8655	18979	-	58498
Fuel mining and extraction	-	-	-	-	-	1	-	-	-	-	8369
Oil refineries	-	-	-	-	-	-	-	857	-	-	50117
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	703	-	10	-	7798	18979	-	12
Losses	-	-	-	-	-	-	-	-	33794	-	-
FINAL CONSUMPTION	-	3296	-	620	270	4533	-	37233	49044	-	2560407
INDUSTRY	-	3115	-	593	162	3075	-	37233	49044	-	906648
Iron and steel	-	1207	-	-	-	284	-	32494	49044	-	100278
Chemical and petrochemical	-	889	-	419	-	288	-	2214	-	-	247671
Non-ferrous metals	-	27	-	-	14	-	-	-	-	-	38775
Non-metallic minerals	-	398	-	-	120	1898	-	-	-	-	116775
Transport equipment	-	242	-	-	-	-	-	1854	-	-	40745
Machinery	-	-	-	-	5	-	-	646	-	-	81918
Mining and quarrying	-	1	-	-	1	132	-	-	-	-	4998
Food and tobacco	-	93	-	174	22	154	-	-	-	-	129513
Paper, pulp and print	-	251	-	-	-	319	-	-	-	-	94258
Wood and wood products	-	-	-	-	-	-	-	-	-	-	6044
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	7	-	-	-	-	-	-	-	-	11160
Non-specified	-	-	-	-	-	-	-	25	-	-	34513
TRANSPORT	-	-	-	-	-	-	-	-	-	-	20738
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	7560
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	13178
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	153	-	-	18	843	-	-	-	-	1511000
Residential	-	118	-	-	14	843	-	-	-	-	1027742
Comm. and public services	-	35	-	-	4	-	-	-	-	-	483258
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	28	-	27	90	615	-	-	-	-	122021
in industry/transf./energy	-	28	-	27	90	615	-	-	-	-	122021
of which: chem./petrochem.	-	28	-	-	-	-	-	-	-	-	122021
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Germany

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	2357	-	-	1344	3937	2744	19674	5317	9	43834
From other sources	-	-	5772	-	-	-	-	-	-	-
Imports	91244	-	-	-	-	790	1505	5014	21	19174
Exports	-101	-	-	-	-	-189	-5021	-864	-	-9331
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-999
Intl. aviation bunkers	-	-	-	-	-	-	-	-8429	-	-
Stock changes	761	-	-	-	-	7	-89	-36	-2	-449
DOMESTIC SUPPLY	94261	-	5772	1344	3937	3352	16069	1002	28	52229
Transfers	-	-	1384	-	151	-141	1284	-41	-8	-1323
Statistical differences	11	-	-	-	172	-55	-291	-201	-	670
TRANSFORMATION	94272	-	7156	1344	267	437	-	-	-	481
Electricity plants	-	-	-	-	67	66	-	-	-	138
CHP plants	-	-	-	-	67	12	-	-	-	66
Heat plants	-	-	-	-	-	1	-	-	-	106
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	94272	-	7156	1344	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	133	358	-	-	-	171
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	3602	48	-	-	-	12
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	2
Oil refineries	-	-	-	-	3602	48	-	-	-	10
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	391	2671	17062	760	20	51083
INDUSTRY	-	-	-	-	356	66	-	-	-	713
Iron and steel	-	-	-	-	-	1	-	-	-	21
Chemical and petrochemical	-	-	-	-	350	-	-	-	-	45
Non-ferrous metals	-	-	-	-	-	4	-	-	-	17
Non-metallic minerals	-	-	-	-	-	12	-	-	-	82
Transport equipment	-	-	-	-	-	3	-	-	-	38
Machinery	-	-	-	-	-	28	-	-	-	195
Mining and quarrying	-	-	-	-	-	3	-	-	-	17
Food and tobacco	-	-	-	-	-	5	-	-	-	149
Paper, pulp and print	-	-	-	-	-	2	-	-	-	25
Wood and wood products	-	-	-	-	-	1	-	-	-	12
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	1	-	-	-	19
Non-specified	-	-	-	-	6	6	-	-	-	93
TRANSPORT	-	-	-	-	-	521	16773	760	-	33258
Domestic aviation	-	-	-	-	-	-	-	760	-	-
Road	-	-	-	-	-	390	16773	-	-	32674
Rail	-	-	-	-	-	-	-	-	-	323
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	261
Non-specified	-	-	-	-	-	131	-	-	-	-
OTHER	-	-	-	-	-	1142	289	-	6	16707
Residential	-	-	-	-	-	733	100	-	6	10349
Comm. and public services	-	-	-	-	-	409	115	-	-	6328
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	74	-	-	30
NON-ENERGY USE	-	-	-	-	35	942	-	-	14	405
in industry/transf./energy	-	-	-	-	35	942	-	-	14	405
of which: chem./petrochem.	-	-	-	-	35	941	-	-	-	405
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Germany

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	7374	7860	1887	7745	509507	4068	338922	318845	649119	469259
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2531	7276	596	1781	-	1161	-	-	28338	-
Exports	-2154	-442	-812	-3810	-	-1653	-	-	-78863	-130
Intl. marine bunkers	-1855	-	-	-1	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-199	-127	19	156	-	-	-	-	-	-
DOMESTIC SUPPLY	5697	14567	1690	5871	509507	3576	338922	318845	598594	469129
Transfers	-1964	1552	-	-395	-	-	-	-	-	-
Statistical differences	-468	-953	-205	459	-	2	-	-	-	-
TRANSFORMATION	826	4184	494	943	134401	146	254724	255673	-	-
Electricity plants	138	-	2	374	54095	40	89039	94572	-	-
CHP plants	107	-	27	161	67363	106	160944	122412	-	-
Heat plants	6	-	-	23	12943	-	4741	38689	-	-
Blast furnaces	34	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	465	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	541	4184	-	385	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	868	-	617	-	420	16	21085	521	55458	12500
Fuel mining and extraction	-	-	-	-	-	-	-	-	1387	151
Oil refineries	863	-	617	-	108	-	16	-	6241	3815
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	34964	-
Pumped storage plants	-	-	-	-	-	-	-	-	7497	-
Other energy ind. own use	5	-	-	-	312	16	21069	521	5369	8534
Losses	-	-	-	-	-	-	954	-	25759	47090
FINAL CONSUMPTION	1571	10982	374	4992	374686	3416	62159	62651	517377	409539
INDUSTRY	861	-	153	203	97312	41	2677	62651	226598	178911
Iron and steel	-	-	3	-	2	-	1	-	27062	1285
Chemical and petrochemical	710	-	18	-	3758	13	471	13530	53577	104071
Non-ferrous metals	26	-	37	-	2	-	7	267	15979	1318
Non-metallic minerals	93	-	88	193	5553	12	25	42536	12318	843
Transport equipment	-	-	-	2	238	2	2	2	18020	14081
Machinery	8	-	-	2	3747	4	393	34	33466	10403
Mining and quarrying	2	-	7	1	780	1	48	-	1783	110
Food and tobacco	9	-	-	-	1640	2	683	-	18522	11062
Paper, pulp and print	9	-	-	1	21280	5	910	6256	21419	25928
Wood and wood products	1	-	-	-	55601	2	12	23	4637	2077
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	1	-	-	1	99	-	-	-	2191	673
Non-specified	2	-	-	3	4612	-	125	3	17624	7060
TRANSPORT	-	-	-	-	-	3180	1332	-	11739	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	3161	1332	-	109	-
Rail	-	-	-	-	-	19	-	-	11630	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	277374	195	58150	-	279040	230628
Residential	-	-	-	-	244750	-	-	-	127600	185044
Comm. and public services	-	-	-	-	32624	195	58150	-	151440	45584
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	710	10982	221	4789	-	-	-	-	-	-
in industry/transf./energy	710	10982	221	4455	-	-	-	-	-	-
of which: chem./petrochem.	710	10982	35	1010	-	-	-	-	-	-
in transport	-	-	-	324	-	-	-	-	-	-
in other	-	-	-	10	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Germany: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	2362	1474	-	171286	8843	6709	-	73303	185929	-	265984
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	12847	35073	-	30	2297	115	-	-	-	-	4659609
Exports	-	-222	-	-	-842	-1487	-	-	-	-	-1349838
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-557	-168	-	51	-	-	-	-	-	-	23467
DOMESTIC SUPPLY	14652	36157	-	171367	10298	5337	-	73303	185929	-	3599222

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	2194	-	-	1444	4050	3419	19804	5347	9	43433
From other sources	-	-	6031	-	-	-	-	-	-	-
Imports	90734	-	-	-	-	942	2135	5935	23	19361
Exports	-	-	-	-	-	-201	-5691	-1294	-	-8866
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-863
Intl. aviation bunkers	-	-	-	-	-	-	-	-8999	-	-
Stock changes	249	-	-	-	-	4	210	81	-5	255
DOMESTIC SUPPLY	93177	-	6031	1444	4050	4164	16458	1070	27	53320
Transfers	-	-	2543	-	184	6	899	-48	-4	-1681

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	7378	7636	1911	8543	528000	3937	345000	322000	654994	469681
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2269	7795	712	1782	-	1535	-	-	27824	-
Exports	-1859	-411	-868	-4056	-	-1833	-	-	-80301	-135
Intl. marine bunkers	-1457	-	-	-1	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	8	23	-14	-27	-	-	-	-	-	-
DOMESTIC SUPPLY	6339	15043	1741	6241	528000	3639	345000	322000	602517	469546
Transfers	-2200	1736	-	-945	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Greece

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	32638	-	-	-	-	-	-	446
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	312	-	-	-	-	-	-	-	-	161072
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	21	-	1592	-	-	-	-	-	-	824
DOMESTIC SUPPLY	-	333	-	34230	-	-	-	-	-	-	162342
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-19	-	-1	-	-	-	-	-	-	-1822
TRANSFORMATION	-	-	-	34179	-	-	-	-	-	-	103888
Electricity plants	-	-	-	18836	-	-	-	-	-	-	95974
CHP plants	-	-	-	15343	-	-	-	-	-	-	7914
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	661
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	661
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	432
FINAL CONSUMPTION	-	314	-	50	-	-	-	-	-	-	55539
INDUSTRY	-	314	-	10	-	-	-	-	-	-	25641
Iron and steel	-	-	-	-	-	-	-	-	-	-	1735
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	3024
Non-ferrous metals	-	260	-	10	-	-	-	-	-	-	10955
Non-metallic minerals	-	54	-	-	-	-	-	-	-	-	919
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	119
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	2985
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	390
Wood and wood products	-	-	-	-	-	-	-	-	-	-	11
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	379
Non-specified	-	-	-	-	-	-	-	-	-	-	5124
TRANSPORT	-	-	-	-	-	-	-	-	-	-	882
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	882
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	40	-	-	-	-	-	-	22207
Residential	-	-	-	16	-	-	-	-	-	-	15309
Comm. and public services	-	-	-	-	-	-	-	-	-	-	6886
Agriculture/forestry	-	-	-	4	-	-	-	-	-	-	12
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	20	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	6809
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	6809
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	6809
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Greece

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	176	-	-	-	662	824	5169	2328	-	10701
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	23462	-	4712	201	-	33	560	166	-	1132
Exports	-156	-	-	-1	-	-250	-3398	-1229	-	-7357
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-309
Intl. aviation bunkers	-	-	-	-	-	-	-	-856	-	-
Stock changes	-295	-	-55	1	-	-6	-197	-65	-	134
DOMESTIC SUPPLY	23187	-	4657	201	662	601	2134	344	-	4301
Transfers	-	-	2195	-	-	-2	266	-33	2	-138
Statistical differences	-1	-	-4	-3	-	2	25	4	1	17
TRANSFORMATION	23186	-	6848	198	300	43	-	-	-	277
Electricity plants	-	-	-	-	-	-	-	-	-	268
CHP plants	-	-	-	-	300	43	-	-	-	9
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	23186	-	6848	198	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	362	52	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	362	52	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	506	2425	315	3	3903
INDUSTRY	-	-	-	-	-	121	5	-	-	198
Iron and steel	-	-	-	-	-	7	-	-	-	3
Chemical and petrochemical	-	-	-	-	-	6	5	-	-	2
Non-ferrous metals	-	-	-	-	-	4	-	-	-	-
Non-metallic minerals	-	-	-	-	-	3	-	-	-	8
Transport equipment	-	-	-	-	-	1	-	-	-	10
Machinery	-	-	-	-	-	2	-	-	-	6
Mining and quarrying	-	-	-	-	-	4	-	-	-	32
Food and tobacco	-	-	-	-	-	63	-	-	-	14
Paper, pulp and print	-	-	-	-	-	4	-	-	-	1
Wood and wood products	-	-	-	-	-	1	-	-	-	2
Construction	-	-	-	-	-	12	-	-	-	82
Textile and leather	-	-	-	-	-	3	-	-	-	-
Non-specified	-	-	-	-	-	11	-	-	-	38
TRANSPORT	-	-	-	-	-	238	2414	184	-	2377
Domestic aviation	-	-	-	-	-	-	-	184	-	-
Road	-	-	-	-	-	238	2414	-	-	2090
Rail	-	-	-	-	-	-	-	-	-	40
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	245
Non-specified	-	-	-	-	-	-	-	-	-	2
OTHER	-	-	-	-	-	147	6	131	3	1328
Residential	-	-	-	-	-	70	-	-	3	1166
Comm. and public services	-	-	-	-	-	51	-	-	-	59
Agriculture/forestry	-	-	-	-	-	24	-	-	-	3
Fishing	-	-	-	-	-	2	-	-	-	10
Non-specified	-	-	-	-	-	-	6	131	-	90
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Greece

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	6150	1657	597	2129	33372 e	152	4258	2517	54438 e	2134
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1617	-	860	35	4369	45	-	-	9833	-
Exports	-3739	-923	-236	-928	-25	-6	-	-	-1037	-
Intl. marine bunkers	-1462	-	-	-8	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	98	63	111	89	-	-4	-	-	-	-
DOMESTIC SUPPLY	2664	797	1332	1317	37716	187	4258	2517	63234	2134
Transfers	-724	-794	-	-731	-	-	-	-	-	-
Statistical differences	-252	1	-	-6	-	1	15	-	-	-
TRANSFORMATION	639	-	1	-	215	-	3623	1364	-	-
Electricity plants	637	-	-	-	123	-	373	-	-	-
CHP plants	2	-	-	-	-	-	3250	1364	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	1	-	92	-	-	-	-	-
ENERGY IND. OWN USE	524	-	513	23	-	-	43	-	5914	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	847	-
Oil refineries	524	-	513	23	-	-	-	-	804	-
Elec., CHP and heat plants	-	-	-	-	-	-	43	-	4211 e	-
Pumped storage plants	-	-	-	-	-	-	-	-	32	-
Other energy ind. own use	-	-	-	-	-	-	-	-	20	-
Losses	-	-	-	-	-	-	-	-	3957	-
FINAL CONSUMPTION	525	4	818	557	37501	188	607	1153	53363	2134
INDUSTRY	198	-	818	31	5405	15	111	1153	11285	-
Iron and steel	1	-	9	-	-	-	-	-	870	-
Chemical and petrochemical	6	-	-	27	-	-	-	1153	184	-
Non-ferrous metals	-	-	-	-	-	-	-	-	4366	-
Non-metallic minerals	4	-	809	2	419	1	-	-	898	-
Transport equipment	-	-	-	-	-	1	-	-	39	-
Machinery	6	-	-	-	-	-	-	-	151	-
Mining and quarrying	41	-	-	-	-	3	-	-	20	-
Food and tobacco	76	-	-	-	4226	1	111	-	1401	-
Paper, pulp and print	14	-	-	-	123	-	-	-	207	-
Wood and wood products	-	-	-	-	637	-	-	-	54	-
Construction	27	-	-	-	-	7	-	-	2	-
Textile and leather	3	-	-	-	-	-	-	-	313	-
Non-specified	20	-	-	2	-	2	-	-	2780	-
TRANSPORT	321	-	-	-	-	170	-	-	186	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	167	-	-	23	-
Rail	-	-	-	-	-	2	-	-	163	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	321	-	-	-	-	1	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	6	-	-	60	32096	3	496	-	41892	2134
Residential	-	-	-	-	30466	-	-	-	19997	2134
Comm. and public services	3	-	-	60	488	2	496	-	19448	-
Agriculture/forestry	3	-	-	-	1142	-	-	-	2404	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	43	-
NON-ENERGY USE	-	4	-	466	-	-	-	-	-	-
in industry/transf./energy	-	4	-	447	-	-	-	-	-	-
of which: chem./petrochem.	-	4	-	199	-	-	-	-	-	-
in transport	-	-	-	14	-	-	-	-	-	-
in other	-	-	-	5	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Greece: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	37383	-	-	-	-	-	-	422
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	418	-	-	-	-	-	-	-	-	196549
Exports	-	-6	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-39	-	281	-	-	-	-	-	-	-1417
DOMESTIC SUPPLY	-	373	-	37664	-	-	-	-	-	-	195554

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	142	-	-	-	667	838	5290	2429	-	10793
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	23669	-	5243	206	-	40	322	219	-	1150
Exports	-163	-	-	-11	-	-311	-3933	-1384	-	-7126
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-329
Intl. aviation bunkers	-	-	-	-	-	-	-	-925	-	-
Stock changes	385	-	12	5	-	3	-40	33	-	-139
DOMESTIC SUPPLY	24033	-	5255	200	667	570	1639	372	-	4349
Transfers	-	-	2107	-	-	-	693	-23	2	-128

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	7029	1617	484	2538	35000	154	4500	2517	58828	2070
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	1743	-	890	22	4474	41	-	-	8696	-
Exports	-4303	-453	-270	-1153	-319	-6	-	-	-2459	-
Intl. marine bunkers	-1846	-	-	-11	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-103	-13	38	-38	-	-	-	-	-	-
DOMESTIC SUPPLY	2520	1151	1142	1358	39155	189	4500	2517	65065	2070
Transfers	-627	-1143	-	-840	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	9216	929	-	-	8198	4854	-	66468
From other sources	-	-	-	-	-	-	-	-	207	-	-
Imports	1222	162	130	48	39	7	-	-	-	-	336120
Exports	-	-	-	-211	-459	-	-	-	-	-	-41533
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	1	16	4	-7	9	-	-	-	-	-	12394
DOMESTIC SUPPLY	1223	178	134	9046	518	7	-	8198	5061	-	373449
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	14768
TRANSFORMATION	1223	96	14	8768	413	-	-	2689	3250	-	92079
Electricity plants	-	-	-	8701	-	-	-	987	397	-	20045
CHP plants	-	96	14	40	-	-	-	1034	1733	-	39490
Heat plants	-	-	-	27	-	-	-	668	1120	-	25518
Blast furnaces	-	-	-	-	406 e	-	-	-	-	-	516 e
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	1223	-	-	-	7	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	6510
ENERGY IND. OWN USE	-	-	2	-	-	-	-	3208	-	-	8213
Fuel mining and extraction	-	-	2	-	-	-	-	-	-	-	2298
Oil refineries	-	-	-	-	-	-	-	-	-	-	5901
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	3208	-	-	14
Losses	-	-	-	-	-	-	-	17	200	-	4402
FINAL CONSUMPTION	-	82	118	278	105	7	-	2284	1611	-	283523
INDUSTRY	-	43	25	11	92	-	-	2284	1611	-	60788
Iron and steel	-	-	-	-	82 e	-	-	2284	1611	-	2558 e
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	12311
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	3466
Non-metallic minerals	-	16	22	10	7	-	-	-	-	-	9385
Transport equipment	-	-	-	-	-	-	-	-	-	-	3336
Machinery	-	-	1	-	1	-	-	-	-	-	7604
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	146
Food and tobacco	-	-	-	-	2	-	-	-	-	-	12709
Paper, pulp and print	-	22	-	-	-	-	-	-	-	-	1801
Wood and wood products	-	-	-	-	-	-	-	-	-	-	515
Construction	-	5	2	-	-	-	-	-	-	-	2081
Textile and leather	-	-	-	-	-	-	-	-	-	-	949
Non-specified	-	-	-	1	-	-	-	-	-	-	3927
TRANSPORT	-	-	-	-	-	-	-	-	-	-	2233
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	376
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1857
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	39	93	267	-	7	-	-	-	-	197829
Residential	-	37	87	267	-	7	-	-	-	-	130881
Comm. and public services	-	2	4	-	-	-	-	-	-	-	59252
Agriculture/forestry	-	-	1	-	-	-	-	-	-	-	6869
Fishing	-	-	-	-	-	-	-	-	-	-	6
Non-specified	-	-	1	-	-	-	-	-	-	-	821
NON-ENERGY USE	-	-	-	-	13	-	-	-	-	-	22673
in industry/transf./energy	-	-	-	-	13	-	-	-	-	-	22673
of which: chem./petrochem.	-	-	-	-	13	-	-	-	-	-	22620
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	712	260	-	14	173	101	1108	199	-	3009
From other sources	33	-	272	-	-	-	-	-	-	-
Imports	6012	32	241	-	-	375	572	14	-	1476
Exports	-75	-32	-3	-	-	-94	-321	-11	-	-1209
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-186	-	-
Stock changes	-12	-18	19	-	-	-3	-28	-9	-	-147
DOMESTIC SUPPLY	6670	242	529	14	173	379	1331	7	-	3129
Transfers	-	-124	72	-	-	121	-10	-	-	-53
Statistical differences	-	-	-	1	-	1	-	-	-	-
TRANSFORMATION	6670	117	601	15	1	66	-	-	-	8
Electricity plants	-	-	-	-	-	-	-	-	-	5
CHP plants	-	-	-	-	1	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	6670	117	601	15	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	66	-	-	-	3
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	172	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	172	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	1	-	-	-	435	1321	7	-	3068
INDUSTRY	-	-	-	-	-	108	-	-	-	176
Iron and steel	-	-	-	-	-	-	-	-	-	1
Chemical and petrochemical	-	-	-	-	-	80	-	-	-	3
Non-ferrous metals	-	-	-	-	-	-	-	-	-	1
Non-metallic minerals	-	-	-	-	-	5	-	-	-	6
Transport equipment	-	-	-	-	-	1	-	-	-	1
Machinery	-	-	-	-	-	4	-	-	-	4
Mining and quarrying	-	-	-	-	-	-	-	-	-	12
Food and tobacco	-	-	-	-	-	8	-	-	-	4
Paper, pulp and print	-	-	-	-	-	1	-	-	-	1
Wood and wood products	-	-	-	-	-	-	-	-	-	4
Construction	-	-	-	-	-	7	-	-	-	138
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	2	-	-	-	1
TRANSPORT	-	-	-	-	-	25	1321	-	-	2529
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	25	1321	-	-	2485
Rail	-	-	-	-	-	-	-	-	-	40
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	4
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	94	-	7	-	352
Residential	-	-	-	-	-	54	-	-	-	-
Comm. and public services	-	-	-	-	-	11	-	-	-	18
Agriculture/forestry	-	-	-	-	-	29	-	-	-	333
Fishing	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	7	-	-
NON-ENERGY USE	-	1	-	-	-	208	-	-	-	11
in industry/transf./energy	-	1	-	-	-	208	-	-	-	11
of which: chem./petrochem.	-	1	-	-	-	208	-	-	-	11
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	39	1008	380	1317	100461	582	3708	7980	31859	53965
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	9	221	-	188	3673	160	-	2083	17951	-
Exports	-27	-9	-208	-982	-3217	-519	-	-	-5240	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	20	-82	-2	-	-	6	-	-	-	-
DOMESTIC SUPPLY	41	1138	170	523	100917	229	3708	10063	44570	53965
Transfers	-	-	-	-6	-	-	-	-	-	-
Statistical differences	-	9	-	-	-	-	-2	1	-423	-152
TRANSFORMATION	12	203	-	1	21841	-	2536	7293	-	-
Electricity plants	8	-	-	-	9925	-	879	3110	-	-
CHP plants	2	-	-	1	9204	-	1650	3866	-	-
Heat plants	2	-	-	-	2712	-	7	317	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	203	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	21	-	59	90	-	-	613	-	3463	5229
Fuel mining and extraction	-	-	-	-	-	-	-	-	478	-
Oil refineries	21	-	59	90	-	-	-	-	573	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	2353	5229
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	613	-	59	-
Losses	-	-	-	-	-	-	-	-	3566	4018
FINAL CONSUMPTION	8	944	111	426	79076	229	557	2771	37118	44566
INDUSTRY	2	209	111	19	5273	-	378	2697	15963	16479
Iron and steel	-	-	-	-	3	-	-	-	613	997
Chemical and petrochemical	-	209	-	19	49	-	-	17	3216	9908
Non-ferrous metals	-	-	-	-	-	-	-	-	401	287
Non-metallic minerals	-	-	111	-	570	-	-	2537	1451	124
Transport equipment	-	-	-	-	6	-	-	-	1655	434
Machinery	-	-	-	-	188	-	-	-	2568	259
Mining and quarrying	-	-	-	-	3	-	-	-	96	-
Food and tobacco	-	-	-	-	2035	-	346	-	2386	1462
Paper, pulp and print	1	-	-	-	462	-	32	143	843	2554
Wood and wood products	-	-	-	-	1452	-	-	-	280	-
Construction	1	-	-	-	136	-	-	-	323	132
Textile and leather	-	-	-	-	24	-	-	-	247	18
Non-specified	-	-	-	-	345	-	-	-	1884	304
TRANSPORT	-	-	-	-	-	229	-	-	1177	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	229	-	-	24	-
Rail	-	-	-	-	-	-	-	-	1142	-
Pipeline transport	-	-	-	-	-	-	-	-	11	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	6	-	-	-	73803	-	179	74	19978	28087
Residential	-	-	-	-	71976	-	-	-	10954	20558
Comm. and public services	5	-	-	-	1192	-	129	74	8045	7407
Agriculture/forestry	-	-	-	-	635	-	50	-	891	15
Fishing	-	-	-	-	-	-	-	-	14	-
Non-specified	1	-	-	-	-	-	-	-	74	107
NON-ENERGY USE	-	735	-	407	-	-	-	-	-	-
in industry/transf./energy	-	735	-	364	-	-	-	-	-	-
of which: chem./petrochem.	-	735	-	228	-	-	-	-	-	-
in transport	-	-	-	43	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Hungary: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	7954	999	-	-	9126	7321	-	65543
From other sources	-	-	-	-	-	-	-	-	549	-	-
Imports	1337	178	142	62	110	13	-	-	-	-	519326
Exports	-	-	-	-2	-371	-	-	-	-	-	-136862
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-21	2	1	-35	-7	-	-	-	-	-	-50724
DOMESTIC SUPPLY	1316	180	143	7979	731	13	-	9126	7870	-	397283

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	726	280	-	14	174	112	1022	236	-	3077
From other sources	33	-	261	-	-	-	-	-	-	-
Imports	5967	-	204	-	-	456	584	-	-	1886
Exports	-148	-20	-13	-	-	-100	-302	-8	-	-1442
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-216	-	-
Stock changes	-13	-44	62	-	-	-6	-12	-4	-	38
DOMESTIC SUPPLY	6565	216	514	14	174	462	1292	8	-	3559
Transfers	-	-89	-	-	-	89	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	77	879	310	1248	95206	605	3695	8558	32802	51940
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	12	525	-	183	2658	216	-	2736	19803	-
Exports	-51	-34	-195	-1035	-1857	-594	-	-	-6926	-
Intl. marine bunkers	-	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-3	-83	-	..	-	-9	-	-	-	-
DOMESTIC SUPPLY	35	1287	115	396	96007	218	3695	11294	45679	51940
Transfers	-	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Iceland

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	124	-	-	25	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	124	-	-	25	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	124	-	-	25	-	-	-	-	-	-
INDUSTRY	-	124	-	-	25	-	-	-	-	-	-
Iron and steel	-	124	-	-	25	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Iceland

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	3	136	321	-	341
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-34
Intl. aviation bunkers	-	-	-	-	-	-	-	-291	-	-
Stock changes	-	-	-	-	-	-	1	-12	-	-
DOMESTIC SUPPLY	-	-	-	-	-	3	137	18	-	307
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-1	-1	-11	-	32
TRANSFORMATION	-	-	-	-	-	-	-	-	-	2
Electricity plants	-	-	-	-	-	-	-	-	-	2
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	2	136	7	-	337
INDUSTRY	-	-	-	-	-	1	-	-	-	34
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	1	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	5
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	28
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	1
TRANSPORT	-	-	-	-	-	-	136	7	-	155
Domestic aviation	-	-	-	-	-	-	-	7	-	-
Road	-	-	-	-	-	-	136	-	-	146
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	9
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1	-	-	-	148
Residential	-	-	-	-	-	1	-	-	-	1
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	6
Fishing	-	-	-	-	-	-	-	-	-	136
Non-specified	-	-	-	-	-	-	-	-	-	5
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Iceland

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	28	-	71	-	18550	34325
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	101	-	7	19	30	16	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-24	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	78	-	7	19	58	16	71	-	18550	34325
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-40	-	-	-	-	-	-	-	-	566
TRANSFORMATION	-	-	-	-	-	-	-	-	204	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	204	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	554	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	378	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	176	-
Losses	-	-	-	-	-	-	-	-	489	3540
FINAL CONSUMPTION	38	-	7	19	58	16	71	-	17303	31351
INDUSTRY	4	-	7	-	58	-	-	-	14840	-
Iron and steel	-	-	7	-	58	-	-	-	1045	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	87	-
Non-ferrous metals	-	-	-	-	-	-	-	-	13072	-
Non-metallic minerals	-	-	-	-	-	-	-	-	45	-
Transport equipment	-	-	-	-	-	-	-	-	5	-
Machinery	-	-	-	-	-	-	-	-	11	-
Mining and quarrying	-	-	-	-	-	-	-	-	3	-
Food and tobacco	-	-	-	-	-	-	-	-	493	-
Paper, pulp and print	-	-	-	-	-	-	-	-	16	-
Wood and wood products	-	-	-	-	-	-	-	-	4	-
Construction	-	-	-	-	-	-	-	-	38	-
Textile and leather	-	-	-	-	-	-	-	-	3	-
Non-specified	4	-	-	-	-	-	-	-	18	-
TRANSPORT	-	-	-	-	-	16	71	-	61	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	16	71	-	..	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	61	-
OTHER	34	-	-	-	-	-	-	-	2402	31351
Residential	-	-	-	-	-	-	-	-	844	16213
Comm. and public services	-	-	-	-	-	-	-	-	1263	12858
Agriculture/forestry	-	-	-	-	-	238	-	-	238	275
Fishing	34	-	-	-	-	-	-	-	57	1513
Non-specified	-	-	-	-	-	-	-	-	-	492
NON-ENERGY USE	-	-	-	19	-	-	-	-	-	-
in industry/transf./energy	-	-	-	15	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	4	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Iceland: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	122	-	-	14	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	122	-	-	14	-	-	-	-	-	-

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	3	138	347	-	346
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-34
Intl. aviation bunkers	-	-	-	-	-	-	-	-315	-	-
Stock changes	-	-	-	-	-	-	1	-12	-	-
DOMESTIC SUPPLY	-	-	-	-	-	3	139	20	-	312
Transfers	-	-	-	-	-	-	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	..	28	-	71	-	19239	35039
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	101	-	9	8	30	16	-	-	-	-
Exports	-	-	-	..	-	-	-	-	-	-
Intl. marine bunkers	-24	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	1	-	-	..	-	-	-	-	-	-
DOMESTIC SUPPLY	78	-	9	8	58	16	71	-	19239	35039
Transfers	-	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Ireland

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	c	-	-	-	3187	115518
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	1912	-	-	-	20	-	-	-	-	79082
Exports	-	-10	-	-	-	-3	-	-	-	-11	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	343	-	-	-	-1	-	-	-	322	2735
DOMESTIC SUPPLY	-	2245	-	-	-	16	-	-	-	3498	197335
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	c	-	-	-	4	-	-	-	3	-1134
TRANSFORMATION	-	1852	-	-	-	-	-	-	-	2882	110844
Electricity plants	-	1852	-	-	-	-	-	-	-	2637	96024
CHP plants	-	-	-	-	-	-	-	-	-	41	12316
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	c	-	-	-	-	-	-	-	204	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	2504
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	53	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	53	-
Losses	-	-	-	-	-	-	-	-	-	-	2808
FINAL CONSUMPTION	-	393	-	-	-	20	-	-	-	566	82549
INDUSTRY	-	166	-	-	-	-	-	-	-	2	35291
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	2981
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	19342
Non-metallic minerals	-	135	-	-	-	-	-	-	-	-	777
Transport equipment	-	-	-	-	-	-	-	-	-	-	86
Machinery	-	-	-	-	-	-	-	-	-	-	5922
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	549
Food and tobacco	-	31	-	-	-	-	-	-	-	2	4829
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	155
Wood and wood products	-	-	-	-	-	-	-	-	-	-	94
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	53
Non-specified	-	-	-	-	-	-	-	-	-	-	503
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	227	-	-	-	20	-	-	-	564	47257
Residential	-	227	-	-	-	20	-	-	-	564	26137
Comm. and public services	-	-	-	-	-	-	-	-	-	-	21120
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Ireland

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	72	41	547	-	175	1198
From other sources	48	-	-	-	-	-	-	-	-	-
Imports	3197	-	-	-	-	122	801	1066	493	2643
Exports	-	-	-	-	-	-17	-350	-	-12	-114
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-138
Intl. aviation bunkers	-	-	-	-	-	-	-	-822	-	-
Stock changes	-3	-	4	-	-	-	-9	-1	8	36
DOMESTIC SUPPLY	3242	-	4	-	72	146	989	243	664	3625
Transfers	-48	-	28	-	-	-	-24	-177	177	-
Statistical differences	7	-	-	-	-	-	-23	-63	17	-117
TRANSFORMATION	3201	-	32	-	4	1	-	-	-	11
Electricity plants	-	-	-	-	-	-	-	-	-	11
CHP plants	-	-	-	-	4	1	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	3201	-	32	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	68	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	68	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	145	942	3	858	3497
INDUSTRY	-	-	-	-	-	101	-	-	86	110
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	3	-	-	12	7
Non-ferrous metals	-	-	-	-	-	5	-	-	-	2
Non-metallic minerals	-	-	-	-	-	1	-	-	8	34
Transport equipment	-	-	-	-	-	3	-	-	-	1
Machinery	-	-	-	-	-	37	-	-	1	4
Mining and quarrying	-	-	-	-	-	-	-	-	3	26
Food and tobacco	-	-	-	-	-	29	-	-	51	25
Paper, pulp and print	-	-	-	-	-	-	-	-	1	1
Wood and wood products	-	-	-	-	-	-	-	-	-	2
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	1	1
Non-specified	-	-	-	-	-	23	-	-	9	7
TRANSPORT	-	-	-	-	-	2	942	3	-	2853
Domestic aviation	-	-	-	-	-	-	1	3	-	-
Road	-	-	-	-	-	2	941	-	-	2735
Rail	-	-	-	-	-	-	-	-	-	35
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	83
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	42	-	-	772	534
Residential	-	-	-	-	-	35	-	-	772	140
Comm. and public services	-	-	-	-	-	7	-	-	-	221
Agriculture/forestry	-	-	-	-	-	-	-	-	-	154
Fishing	-	-	-	-	-	-	-	-	-	19
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Ireland

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1070	77	-	-	9470	27	2356	5467	30418	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	60	-	195	302	1917	123	-	-	871	-
Exports	-1060	-71	-	-10	-9	-	-	-	-1583	-
Intl. marine bunkers	-10	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	34	-2	2	-	-47	-7	-	-	-	-
DOMESTIC SUPPLY	94	4	197	292	11331	143	2356	5467	29706	-
Transfers	-	-4	-	48	-	-	-	-	-	-
Statistical differences	-1	-	1	-	368	4	-	-	-525	-
TRANSFORMATION	54	-	-	-	3675	-	1952	2132	-	-
Electricity plants	54	-	-	-	3553	-	1688	2132	-	-
CHP plants	-	-	-	-	122	-	264	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	c	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	48	-	-	-	-	1471	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	48	-	-	-	-	43	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	824	-
Pumped storage plants	-	-	-	-	-	-	-	-	532	-
Other energy ind. own use	-	-	-	-	-	-	-	-	72	-
Losses	-	-	-	-	-	-	-	-	2136	-
FINAL CONSUMPTION	39	-	198	292	8024	147	404	3335	25574	-
INDUSTRY	39	-	175	-	5573	-	99	3335	10143	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	4	-	-	-	-	-	-	-	1846	-
Non-ferrous metals	1	-	-	-	-	-	-	-	789	-
Non-metallic minerals	3	-	175	-	60	-	-	3335	646	-
Transport equipment	-	-	-	-	-	-	-	-	215	-
Machinery	-	-	-	-	-	-	-	-	1514	-
Mining and quarrying	1	-	-	-	-	-	-	-	729	-
Food and tobacco	17	-	-	-	775	-	99	-	2167	-
Paper, pulp and print	-	-	-	-	-	-	-	-	238	-
Wood and wood products	-	-	-	-	4738	-	-	-	436	-
Construction	-	-	-	-	-	-	-	-	73	-
Textile and leather	-	-	-	-	-	-	-	-	130	-
Non-specified	13	-	-	-	-	-	-	-	1360	-
TRANSPORT	-	-	-	-	-	147	-	-	49	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	147	-	-	4	-
Rail	-	-	-	-	-	-	-	-	45	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	23	-	2451	-	305	-	15382	-
Residential	-	-	23	-	1372	-	-	-	7873	-
Comm. and public services	-	-	-	-	1079	-	305	-	6951	-
Agriculture/forestry	-	-	-	-	-	-	-	-	558	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	292	-	-	-	-	-	-
in industry/transf./energy	-	-	-	265	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	25	-	-	-	-	-	-
in other	-	-	-	2	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Ireland: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	3593	132498
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	1986	-	-	-	14	-	-	-	-	65565
Exports	-	-12	-	-	-	-1	-	-	-	-12	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-186	-	-	-	5	-	-	-	-200	2557
DOMESTIC SUPPLY	-	1788	-	-	-	18	-	-	-	3381	200620

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	75	49	549	-	159	1214
From other sources	40	-	-	-	-	-	-	-	-	-
Imports	3213	-	-	-	-	130	919	1234	360	2849
Exports	-295	-	-	-	-	-24	-489	-	-	-193
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-133
Intl. aviation bunkers	-	-	-	-	-	-	-	-947	-	-
Stock changes	265	-	-2	-	-	-1	-88	-7	10	-61
DOMESTIC SUPPLY	3223	-	-2	-	75	154	891	280	529	3676
Transfers	-40	-	11	-	-	-	-11	-283	283	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1049	94	-	..	9954	29	2247	8545	30894	-
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	62	-	194	278	1163	163	-	-	1116	-
Exports	-1057	-96	-	..	-9	-	-	-	-1795	-
Intl. marine bunkers	-13	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	14	2	-1	..	14	8	-	-	-	-
DOMESTIC SUPPLY	55	-	193	278	11122	200	2247	8545	30215	-
Transfers	-	-	-	40	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Israel

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	423	352712 e
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	8795	-	-	-	-	-	-	-	-	13653 e
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	390	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	9185	-	-	-	-	-	-	-	423	366365
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	39	-	-	-	-	-	-	-	-	16841 e
TRANSFORMATION	-	9135	-	-	-	-	-	-	-	423	317669
Electricity plants	-	9135	-	-	-	-	-	-	-	423	317669 e
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	7693
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	7693 e
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	89	-	-	-	-	-	-	-	-	57844
INDUSTRY	-	88	-	-	-	-	-	-	-	-	53748
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	88	-	-	-	-	-	-	-	-	53748 e
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	1	-	-	-	-	-	-	-	-	4096
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	1	-	-	-	-	-	-	-	-	4096 e
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Includes the quantities of oil shale.

Israel

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ^a	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	115	-	-	-	653	354	2927	934 e	283	4411
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	10332	-	3124	-	-	273	674	-	255	279
Exports	-	-	-31	-	-	-171	-558	-	-264	-1943
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-28
Intl. aviation bunkers	-	-	-	-	-	-	-	-911	-	-
Stock changes	385	-	-110	-	-	2	41	-	-23	32
DOMESTIC SUPPLY	10832	-	2983	-	653	458	3084	23	251	2751
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-192	-	249	-	-	-14	-148	-	-	-88
TRANSFORMATION	10640	-	3232	-	-	-	-	-	-	53
Electricity plants	-	-	-	-	-	-	-	-	-	53
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	10640	-	3232	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	653	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	653	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	444	2936	23	251	2610
INDUSTRY	-	-	-	-	-	168	-	-	14	4
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	168 e	-	-	14	4
TRANSPORT	-	-	-	-	-	10	2936	23	-	2601
Domestic aviation	-	-	-	-	-	-	-	23	-	-
Road	-	-	-	-	-	10 e	2936	-	-	2601
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	266	-	-	237	5
Residential	-	-	-	-	-	128 e	-	-	-	-
Comm. and public services	-	-	-	-	-	125 e	-	-	-	-
Agriculture/forestry	-	-	-	-	-	13 e	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	237	5
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Israel

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁶ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2715	1095	-	637 e	183 e	-	795	-	66976	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	116	306 e	-	893 e	-	-	-	-	-
Exports	-2369	-346	-	-	-	-	-	-	-5553	-
Intl. marine bunkers	-127	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	60	-1	-	87 e	-	-	-	-	-	-
DOMESTIC SUPPLY	279	864	306	724	1076	-	795	-	61423	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	3	34	-30	-121	-	-	-	-	80	-
TRANSFORMATION	21	-	-	-	-	-	795	-	-	-
Electricity plants	21	-	-	-	-	-	795	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	2759	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	755	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	2004	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	2535	-
FINAL CONSUMPTION	261	898	276	603	1076	-	-	-	56209	-
INDUSTRY	251	-	-	-	-	-	-	-	14933	-
Iron and steel	-	-	-	-	-	-	-	-	534 e	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	536 e	-
Machinery	-	-	-	-	-	-	-	-	2964 e	-
Mining and quarrying	-	-	-	-	-	-	-	-	2605 e	-
Food and tobacco	-	-	-	-	-	-	-	-	1913 e	-
Paper, pulp and print	-	-	-	-	-	-	-	-	89 e	-
Wood and wood products	-	-	-	-	-	-	-	-	689 e	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	241 e	-
Non-specified	251	-	-	-	-	-	-	-	5362 e	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	10	-	-	-	1076	-	-	-	41276	-
Residential	-	-	-	-	183 e	-	-	-	18154	-
Comm. and public services	-	-	-	-	-	-	-	-	17370	-
Agriculture/forestry	-	-	-	-	-	-	-	-	2603 e	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	10	-	-	-	893 e	-	-	-	3149	-
NON-ENERGY USE	-	898	276	603	-	-	-	-	-	-
in industry/transf./energy	-	898	276 e	603 e	-	-	-	-	-	-
of which: chem./petrochem.	-	898	-	323 e	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

6. Includes both primary and secondary solid biofuels.

Israel: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat ² (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	449	364080
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	8516	-	-	-	-	-	-	-	-	19342
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-237	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	8279	-	-	-	-	-	-	-	449	383422

SUPPLY	Oil (kt)									
	Crude oil ³	NGL	Feed- stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene	Gas / Diesel ⁴
Production	115	-	-	-	653	351	3175	856	259	4588
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	11585	-	2697	-	-	273	674	-	255	279
Exports	-	-	-31	-	-	-171	-558	-	-264	-2120
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-42
Intl. aviation bunkers	-	-	-	-	-	-	-	-835	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	11700	-	2666	-	653	453	3291	21	250	2705
Transfers	-	-	-	-	-	-	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio- fuels ⁶ (TJ)	Liquid bio- fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2671	1224	-	676	183	-	795	-	67863	-
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	-	116	262	..	893	-	-	-	-	-
Exports	-1981	-346	-	..	-	-	-	-	-5553	-
Intl. marine bunkers	-200	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-	-	-	..	-	-	-	-	-	-
DOMESTIC SUPPLY	490	994	262	676	1076	-	795	-	62310	-
Transfers	-	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Includes the quantities of oil shale.

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

6. Includes both primary and secondary solid biofuels.

Italy

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	1806	-	-	14439	29111	-	220409
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	2415	14162	128	2	985	-	-	-	-	-	2487320
Exports	-	-	-	-	-374	-	-	-	-	-	-8077
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	25	312	-	-	100	-	-	-	-	-	2210
DOMESTIC SUPPLY	2440	14474	128	2	2517	-	-	14439	29111	-	2701862
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	2352	14084	128	-	1823	-	-	9238	23788	-	1057652
Electricity plants	-	13154	128	-	-	-	-	-	-	-	338532
CHP plants	-	88	-	-	-	-	-	9238	23788	-	719120
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	842 e	-	-	1823 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	2352	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	197	-	-	54805
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	38208
Oil refineries	-	-	-	-	-	-	-	-	-	-	13037
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	197	-	-	3560
Losses	-	-	-	-	-	-	-	-	-	-	12861
FINAL CONSUMPTION	88	390	-	2	694	-	-	5004	5323	-	1576544
INDUSTRY	-	390	-	2	694	-	-	5004	5323	-	388997
Iron and steel	-	13 e	-	-	628 e	-	-	5004	5323	-	55488
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	44500
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	18163
Non-metallic minerals	-	377	-	2	-	-	-	-	-	-	88493
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	62694
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	1604
Food and tobacco	-	-	-	-	-	-	-	-	-	-	51820
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	29021
Wood and wood products	-	-	-	-	-	-	-	-	-	-	1453
Construction	-	-	-	-	-	-	-	-	-	-	10101
Textile and leather	-	-	-	-	-	-	-	-	-	-	24701
Non-specified	-	-	-	-	66	-	-	-	-	-	959
TRANSPORT	-	-	-	-	-	-	-	-	-	-	51438
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	41570
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	9868
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	1105751
Residential	-	-	-	-	-	-	-	-	-	-	795374
Comm. and public services	-	-	-	-	-	-	-	-	-	-	304335
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	6042
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	88	-	-	-	-	-	-	-	-	-	30358
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	30358
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	30358
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	88	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Italy

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	3746	-	-	320	2559	1236	15106	2047	432	30665
From other sources	-	-	1406	-	-	-	-	-	-	-
Imports	60878	-	6152	176	-	2403	352	2088	425	4412
Exports	-624	-	-1162	-1	-	-326	-8131	-66	-425	-9324
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-268
Intl. aviation bunkers	-	-	-	-	-	-	-	-3209	-	-
Stock changes	586	-	137	-8	-	-40	138	-14	10	91
DOMESTIC SUPPLY	64586	-	6533	487	2559	3273	7465	846	442	25576
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	423	10	62	54	64	-10	6	195
TRANSFORMATION	64586	-	6956	497	784	38	82	-	223	150
Electricity plants	-	-	-	-	-	-	-	-	-	93
CHP plants	-	-	-	-	638	7	-	-	-	7
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	64586	-	6956	497	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	146	31	82	-	223	50
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	1688	27	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	1688	27	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	149	3262	7447	836	225	25621
INDUSTRY	-	-	-	-	-	201	143	5	-	354
Iron and steel	-	-	-	-	-	15	-	-	-	12
Chemical and petrochemical	-	-	-	-	-	9	125	-	-	88
Non-ferrous metals	-	-	-	-	-	12	-	-	-	5
Non-metallic minerals	-	-	-	-	-	89	-	-	-	40
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	35	18	5	-	98
Mining and quarrying	-	-	-	-	-	2	-	-	-	19
Food and tobacco	-	-	-	-	-	21	-	-	-	26
Paper, pulp and print	-	-	-	-	-	6	-	-	-	14
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	20
Textile and leather	-	-	-	-	-	9	-	-	-	24
Non-specified	-	-	-	-	-	3	-	-	-	8
TRANSPORT	-	-	-	-	-	1598	7279	691	-	21756
Domestic aviation	-	-	-	-	-	-	-	691	-	-
Road	-	-	-	-	-	1598	7279	-	-	21247
Rail	-	-	-	-	-	-	-	-	-	15
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	494
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1432	5	140	2	3378
Residential	-	-	-	-	-	1018	-	-	2	1148
Comm. and public services	-	-	-	-	-	393	2	-	-	124
Agriculture/forestry	-	-	-	-	-	19	3	-	-	1944
Fishing	-	-	-	-	-	2	-	-	-	162
Non-specified	-	-	-	-	-	-	-	140	-	-
NON-ENERGY USE	-	-	-	-	149	31	20	-	223	133
in industry/transf./energy	-	-	-	-	149	31	20	-	223	133
of which: chem./petrochem.	-	-	-	-	149	31	20	-	223	133
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Italy

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	8074	2436	834	7972	302790	1140	78505	85990	289768	223850
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	827	2110	1012	648	53492	1308	-	-	43181	-
Exports	-4663	-1537	-8	-3238	-1018	-230	-	-	-6154	-
Intl. marine bunkers	-1995	-	-	-34	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	144	112	-2	-23	-	-3	-	-	-	-
DOMESTIC SUPPLY	2387	3121	1836	5325	355264	2215	78505	85990	326795	223850
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	24	50	-	207	-	-1	-	-	-	-
TRANSFORMATION	511	803	-	3172	77551	1035	76663	74415	-	-
Electricity plants	383	-	-	41	29040	708	30312	36323	-	-
CHP plants	119	-	-	3069	44096	327	46339	38092	-	-
Heat plants	-	-	-	-	4107	-	12	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	9	803	-	62	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	308	-	-	-	-	-
ENERGY IND. OWN USE	97	-	629	2	-	-	-	-	22015	57469
Fuel mining and extraction	-	-	-	-	-	-	-	-	340	617
Oil refineries	97	-	629	2	-	-	-	-	5177	40222
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	10065	12
Pumped storage plants	-	-	-	-	-	-	-	-	2468	-
Other energy ind. own use	-	-	-	-	-	-	-	-	3965	16618
Losses	-	-	-	-	-	-	-	-	18753	1002
FINAL CONSUMPTION	1803	2368	1207	2358	277713	1179	1842	11575	286027	165379
INDUSTRY	1049	-	1207	-	15095	-	828	11575	113257	114536
Iron and steel	64	-	-	-	-	-	-	-	18262	7859
Chemical and petrochemical	170	-	-	-	43	-	283	3264	13911	36625
Non-ferrous metals	35	-	-	-	-	-	-	-	2477	7
Non-metallic minerals	268	-	1207	-	5396	-	-	6494	8826	5622
Transport equipment	-	-	-	-	-	-	-	-	3610	4554
Machinery	139	-	-	-	95	-	-	120	20128	1269
Mining and quarrying	13	-	-	-	-	-	-	-	609	40
Food and tobacco	224	-	-	-	1553	-	524	-	12170	14676
Paper, pulp and print	54	-	-	-	2	-	17	-	8647	36585
Wood and wood products	-	-	-	-	6028	-	-	1	2965	1384
Construction	-	-	-	-	33	-	-	-	1353	6
Textile and leather	57	-	-	-	-	-	4	-	5153	1493
Non-specified	25	-	-	-	1945	-	-	1696	15146	4416
TRANSPORT	478	-	-	-	-	1179	1	-	11162	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	1179	1	-	69	-
Rail	-	-	-	-	-	-	-	-	5446	-
Pipeline transport	-	-	-	-	-	-	-	-	391	-
Domestic navigation	478	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	5256	-
OTHER	1	-	-	-	262618	-	1013	-	161608	50843
Residential	1	-	-	-	258465	-	-	-	64304	39635
Comm. and public services	-	-	-	-	2691	-	1013	-	91736	10275
Agriculture/forestry	-	-	-	-	1462	-	-	-	5314	454
Fishing	-	-	-	-	-	-	-	-	254	-
Non-specified	-	-	-	-	-	-	-	-	-	479
NON-ENERGY USE	275	2368	-	2358	-	-	-	-	-	-
in industry/transf./energy	275	2368	-	2046	-	-	-	-	-	-
of which: chem./petrochem.	275	2368	-	56	-	-	-	-	-	-
in transport	-	-	-	312	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Italy: provisional energy supply for 2017

SUPPLY	Coal (kt)					Coal gases (TJ)			Peat (kt)	Natural gas (TJ)	
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas			Recovered gases ¹
Production	-	-	-	-	2000	-	-	14422	24771	-	210998
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	2257	13023	124	2	684	-	-	-	-	-	2653703
Exports	-	-46	-	-	-342	-	-	-	-	-	-10401
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	52	-78	-	-	16	-	-	-	-	-	8954
DOMESTIC SUPPLY	2309	12899	124	2	2358	-	-	14422	24771	-	2863254

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	4098	-	-	360	2559	1345	15048	2438	539	30470
From other sources	-	-	1555	-	-	-	-	-	-	-
Imports	66345	-	3701	151	-	2343	139	2273	656	6133
Exports	-737	-	-914	-4	-	-306	-8496	-194	-660	-10502
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-268
Intl. aviation bunkers	-	-	-	-	-	-	-	-3602	-	-
Stock changes	-38	-	225	-4	-	-44	-13	34	1	-362
DOMESTIC SUPPLY	69668	-	4567	503	2559	3338	6678	949	536	25471
Transfers	-	-	-	-	-	-	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	8963	3198	864	8187	321428	959	78264	84886	295118	237616
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	799	1706	855	617	56679	1493	-	-	42895	-
Exports	-5330	-1556	-	-3415	-1018	-317	-	-	-5134	-
Intl. marine bunkers	-2141	-	-	-30	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	1	8	2	3	-	40	-	-	-	-
DOMESTIC SUPPLY	2292	3356	1721	5362	377089	2175	78264	84886	332879	237616
Transfers	-	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Japan

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	1288	-	-	33546	-	-	295511	505277	-	113938
From other sources	-	-	-	-	412	-	-	3744	-	-	70072
Imports	48294	137676	-	-	2034	-	-	-	-	-	4615549
Exports	-	-2	-	-	-1026	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-72	-	-	-	-	-	1395
DOMESTIC SUPPLY	48294	138962	-	-	34894	-	-	299255	505277	-	4800954
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-435	4196	-	-	-1143 e	-	-	5428	-26071	-	377403
TRANSFORMATION	47856	125988	-	-	30262	-	-	63010	209665	-	3473310
Electricity plants	-	111260	-	-	54	-	-	63010	209665	-	3458845
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	14465
Blast furnaces	14040 e	-	-	-	30208 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	33816	14728	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	504	-	-	-	-	-	61197	61895	-	208778
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	7165
Elec., CHP and heat plants	-	504	-	-	-	-	-	16	2	-	142442
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	61181	61893	-	59171
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	3	16666	-	-	3489	-	-	180476	207646	-	1496269
INDUSTRY	3	16650	-	-	2866	-	-	180295	207646	-	513829
Iron and steel	3 e	3954	-	-	1808 e	-	-	147415	199979	-	111310
Chemical and petrochemical	-	4585	-	-	546	-	-	27787	4209	-	98826
Non-ferrous metals	-	84	-	-	200	-	-	-	1355	-	17413
Non-metallic minerals	-	5090	-	-	196	-	-	5093	2103	-	37476
Transport equipment	-	3	-	-	101	-	-	-	-	-	28903
Machinery	-	-	-	-	1	-	-	-	-	-	61207
Mining and quarrying	-	1	-	-	10	-	-	-	-	-	5296
Food and tobacco	-	12	-	-	3	-	-	-	-	-	78402
Paper, pulp and print	-	2910	-	-	-	-	-	-	-	-	25043
Wood and wood products	-	-	-	-	-	-	-	-	-	-	5581
Construction	-	-	-	-	-	-	-	-	-	-	2846
Textile and leather	-	11	-	-	-	-	-	-	-	-	9052
Non-specified	-	-	-	-	1	-	-	-	-	-	32474
TRANSPORT	-	2	-	-	-	-	-	-	-	-	2888
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	2888
Rail	-	2	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	13	-	-	101	-	-	-	-	-	968251
Residential	-	-	-	-	-	-	-	-	-	-	408603
Comm. and public services	-	13	-	-	101	-	-	-	-	-	559613
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	15
Fishing	-	-	-	-	-	-	-	-	-	-	20
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	1	-	-	522	-	-	181	-	-	11301
in industry/transf./energy	-	1	-	-	522	-	-	181	-	-	11301
of which: chem./petrochem.	-	1	-	-	518	-	-	71	-	-	11301
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Japan

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	187	236	-	-	7172	4210	39513	12474	12850	45582
From other sources	-	-	4755	-	-	-	-	-	-	-
Imports	156165	6004	-	-	-	10543	621	613	1063	399
Exports	-	-	-	-	-	-75	-2285	-2697	-466	-8137
Intl. marine bunkers	-	-	-	-	-	-	-	-	-98	-188
Intl. aviation bunkers	-	-	-	-	-	-	-	-6314	-	-
Stock changes	1546	-	-71	-	-	56	-19	3	105	-197
DOMESTIC SUPPLY	157898	6240	4684	-	7172	14734	37830	4079	13454	37459
Transfers	-	-	-977	-	-	-445	73	78	-349	-9
Statistical differences	139	-	-	-	20	-1170	-323	-9	50	574
TRANSFORMATION	157965	6149	3707	-	2854	2607	-	-	98	673
Electricity plants	2384	1	-	-	2854	538	-	-	96	673
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	2	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	155581	6148	3707	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	983	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	1086	-	-	-	-
ENERGY IND. OWN USE	55	-	-	-	4338	297	-	-	-	34
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	4338	50	-	-	-	6
Elec., CHP and heat plants	55	-	-	-	-	247	-	-	-	28
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	17	91	-	-	-	10215	37580	4148	13057	37317
INDUSTRY	17	2	-	-	-	1366	-	-	1181	4743
Iron and steel	-	-	-	-	-	285	-	-	107	243
Chemical and petrochemical	17	2	-	-	-	319	-	-	130	384
Non-ferrous metals	-	-	-	-	-	59	-	-	45	149
Non-metallic minerals	-	-	-	-	-	112	-	-	84	596
Transport equipment	-	-	-	-	-	82	-	-	49	77
Machinery	-	-	-	-	-	162	-	-	182	228
Mining and quarrying	-	-	-	-	-	-	-	-	3	185
Food and tobacco	-	-	-	-	-	192	-	-	201	927
Paper, pulp and print	-	-	-	-	-	34	-	-	27	139
Wood and wood products	-	-	-	-	-	1	-	-	24	60
Construction	-	-	-	-	-	12	-	-	184	1157
Textile and leather	-	-	-	-	-	32	-	-	48	108
Non-specified	-	-	-	-	-	76	-	-	97	490
TRANSPORT	-	-	-	-	-	846	37580	3190	-	22617
Domestic aviation	-	-	-	-	-	-	-	3190	-	-
Road	-	-	-	-	-	846	37580	-	-	21445
Rail	-	-	-	-	-	-	-	-	-	167
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	1005
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	4815	-	958	11149	9810
Residential	-	-	-	-	-	3902	-	-	7432	-
Comm. and public services	-	-	-	-	-	912	-	958	3194	5940
Agriculture/forestry	-	-	-	-	-	1	-	-	522	2496
Fishing	-	-	-	-	-	-	-	-	1	1374
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	89	-	-	-	3188	-	-	727	147
in industry/transf./energy	-	89	-	-	-	3188	-	-	727	147
of which: chem./petrochem.	-	89	-	-	-	3188	-	-	727	147
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Japan

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	17788	14656	1267	7904	275338	15	5756	258255 e	1057976	21750
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2264	18929	4652	267	23003	586	-	-	-	-
Exports	-3065	-38	-156	-1050	-	-	-	-	-	-
Intl. marine bunkers	-4150	-	-	-22	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	31	238	-1	78	-	-	-	-	-	-
DOMESTIC SUPPLY	12868	33785	5762	7177	298341	601	5756	258255	1057976	21750
Transfers	-53	722	-	960	-	-	-	-	-	-
Statistical differences	478	-2247	-1002	-13	10335	-	-	-3007	9598	-1
TRANSFORMATION	7735	3776	1621	1580	152279	-	1701	165296	1002	-
Electricity plants	7732	4	1104	1485	151628	-	1584	160453 e	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	3	-	-	-	-	-	-	-	1002	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	517	95	-	-	-	4843	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	3772	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	651 e	-	117	-	-	-
ENERGY IND. OWN USE	1047	20	56	148	-	-	4055	-	53570	441
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	921	20	-	148	-	-	-	-	10880	-
Elec., CHP and heat plants	126	-	56	-	-	-	-	-	31057	441
Pumped storage plants	-	-	-	-	-	-	-	-	8830	-
Other energy ind. own use	-	-	-	-	-	-	4055	-	2803	-
Losses	-	-	-	-	-	-	-	-	45653	-
FINAL CONSUMPTION	4511	28464	3083	6396	156397	601	-	89952	967349	21308
INDUSTRY	1804	3030	2553	1541	123219	-	-	41927	344716	-
Iron and steel	163	-	762	1	-	-	-	1420	69746	-
Chemical and petrochemical	531	3030	996	1207	-	-	-	5273	56598	-
Non-ferrous metals	84	-	4	43	-	-	-	1421	13065	-
Non-metallic minerals	444	-	720	249	5740	-	-	21261	18111	-
Transport equipment	-	-	-	-	-	-	-	-	27381	-
Machinery	3	-	-	41	192	-	-	-	54733	-
Mining and quarrying	1	-	-	-	-	-	-	-	1195	-
Food and tobacco	16	-	-	-	3323	-	-	-	26931	-
Paper, pulp and print	447	-	71	-	104444	-	-	12552	31128	-
Wood and wood products	1	-	-	-	9520	-	-	-	3851	-
Construction	-	-	-	-	-	-	-	-	6579	-
Textile and leather	101	-	-	-	-	-	-	-	4841	-
Non-specified	13	-	-	-	-	-	-	-	30557	-
TRANSPORT	2167	-	-	-	-	601	-	-	17604	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	601	-	-	-	-
Rail	-	-	-	-	-	-	-	-	17604	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	2167	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	8	-	-	18	33178	-	-	48025	605029	21308
Residential	-	-	-	-	352	-	-	-	269279	1102
Comm. and public services	8	-	-	-	23753	-	-	12803	332619	20206
Agriculture/forestry	-	-	-	7	-	-	-	-	2816	-
Fishing	-	-	-	11	-	-	-	-	315	-
Non-specified	-	-	-	-	9073	-	-	35222	-	-
NON-ENERGY USE	532	25434	530	4837	-	-	-	-	-	-
in industry/transf./energy	532	25434	530	3636	-	-	-	-	-	-
of which: chem./petrochem.	532	25434	529	284	-	-	-	-	-	-
in transport	-	-	-	821	-	-	-	-	-	-
in other	-	-	-	380	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Japan: provisional energy supply for 2017

SUPPLY	Coal (kt)					Coal gases (TJ)			Peat (kt)	Natural gas (TJ)	
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas			Recovered gases ¹
Production	-	1322	-	-	33058	-	-	292575	491910	-	119181
From other sources	-	-	-	-	343	-	-	3131	-	-	70072
Imports	47347	140163	-	-	1273	-	-	-	-	-	4568746
Exports	-	-2	-	-	-1232	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	75	-	-	-	-	-	5637
DOMESTIC SUPPLY	47347	141483	-	-	33517	-	-	295706	491910	-	4763636

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	181	240	-	-	7079	4422	39158	11510	12796	45619
From other sources	-	-	4483	-	-	-	-	-	-	-
Imports	155339	2049	-	-	-	10555	901	1106	1570	527
Exports	-	-	-	-	-	-45	-2773	-2067	-422	-8502
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-171
Intl. aviation bunkers	-	-	-	-	-	-	-	-6372	-	-
Stock changes	896	-	506	-	-	29	77	-61	-386	136
DOMESTIC SUPPLY	156416	2289	4989	-	7079	14961	37363	4116	13558	37609
Transfers	-	-	-976	-	-	-445	73	78	-349	-9

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	15486	13207	1320	7363	277509	13	5756	257942	1085212	21750
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2164	20928	4853	296	29903	639	-	-	-	-
Exports	-2412	-5	-62	-799	-	-	-	-	-	-
Intl. marine bunkers	-3982	-	-	-23	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	90	-195	1	-23	-	-	-	-	-	-
DOMESTIC SUPPLY	11346	33935	6112	6814	307412	652	5756	257942	1085212	21750
Transfers	-53	722	-	960	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

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2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	1726	-	-	16572	1255	-	147900	246680	-	6441
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	35254	92638	6569	-	340	-	-	-	-	-	1842548
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	504	-1781	-	-	-	-	-	-	-	-	72900
DOMESTIC SUPPLY	35758	92583	6569	-	16912	1255	-	147900	246680	-	1921889
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-164	40	-	-	-168	-	-	-	1	-	39672
TRANSFORMATION	34901	84301	6569	-	13946	-	-	35474	144103	-	955904
Electricity plants	-	73852	6569	-	-	-	-	20141	66900	-	667414
CHP plants	-	9194	-	-	-	-	-	15333	77203	-	285433
Heat plants	-	-	-	-	-	-	-	-	-	-	3057
Blast furnaces	7573 e	-	-	-	13946 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	27328	1255	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	37658	95202	-	4004
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	37658	95202	-	4004
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	693	8322	-	-	2798	1255	-	74768	7376	-	1001653
INDUSTRY	693	8322	-	-	2150	-	-	74768	7376	-	349305
Iron and steel	693 e	1655	-	-	1810 e	-	-	74768	7376	-	69180
Chemical and petrochemical	-	143	-	-	-	-	-	-	-	-	50930
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	13166
Non-metallic minerals	-	4551	-	-	-	-	-	-	-	-	24803
Transport equipment	-	-	-	-	-	-	-	-	-	-	29057
Machinery	-	-	-	-	-	-	-	-	-	-	44474
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	39	-	-	-	-	-	-	-	-	31461
Paper, pulp and print	-	41	-	-	-	-	-	-	-	-	11269
Wood and wood products	-	-	-	-	-	-	-	-	-	-	1228
Construction	-	-	-	-	-	-	-	-	-	-	307
Textile and leather	-	80	-	-	-	-	-	-	-	-	13807
Non-specified	-	1813	-	-	340	-	-	-	-	-	59623
TRANSPORT	-	-	-	-	-	-	-	-	-	-	55871
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	55871
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1255	-	-	-	-	596477
Residential	-	-	-	-	-	1255	-	-	-	-	411980
Comm. and public services	-	-	-	-	-	-	-	-	-	-	184368
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	129
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	648	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	648	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	648	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Korea

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	15	-	-	674	4566	2244	17266	20277	2716	45831
From other sources	-	-	9904	-	-	-	-	-	-	-
Imports	145537	-	699	98	-	7250	161	-	3	267
Exports	-	-	-486	-2	-	-164	-8911	-14042	-265	-23482
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1204
Intl. aviation bunkers	-	-	-	-	-	-	-	-4632	-	-
Stock changes	-947	-	40	-4	-	-78	-61	-248	10	287
DOMESTIC SUPPLY	144605	-	10157	766	4566	9252	8455	1355	2464	21699
Transfers	-	-	-2589	-726	254	348	736	152	239	269
Statistical differences	813	-	-495	-40	-	-282	62	89	-110	-104
TRANSFORMATION	145418	-	7073	-	-	891	-	-	104	90
Electricity plants	-	-	-	-	-	-	-	-	104	90
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	145418	-	7073	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	798	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	93	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	4820	126	-	-	4	14
Fuel mining and extraction	-	-	-	-	-	49	-	-	4	14
Oil refineries	-	-	-	-	4820	77	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	8301	9253	1596	2485	21760
INDUSTRY	-	-	-	-	-	713	-	-	85	1277
Iron and steel	-	-	-	-	-	54	-	-	-	2
Chemical and petrochemical	-	-	-	-	-	-	-	-	19	39
Non-ferrous metals	-	-	-	-	-	11	-	-	2	3
Non-metallic minerals	-	-	-	-	-	12	-	-	5	130
Transport equipment	-	-	-	-	-	21	-	-	5	123
Machinery	-	-	-	-	-	26	-	-	9	33
Mining and quarrying	-	-	-	-	-	2	-	-	1	34
Food and tobacco	-	-	-	-	-	21	-	-	4	8
Paper, pulp and print	-	-	-	-	-	4	-	-	1	2
Wood and wood products	-	-	-	-	-	-	-	-	-	2
Construction	-	-	-	-	-	8	-	-	6	786
Textile and leather	-	-	-	-	-	4	-	-	3	4
Non-specified	-	-	-	-	-	550	-	-	30	111
TRANSPORT	-	-	-	-	-	3331	9253	1158	3	17619
Domestic aviation	-	-	-	-	-	-	-	1158	-	7
Road	-	-	-	-	-	3331	9253	-	3	17219
Rail	-	-	-	-	-	-	-	-	-	97
Pipeline transport	-	-	-	-	-	-	-	-	-	2
Domestic navigation	-	-	-	-	-	-	-	-	-	294
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1663	-	438	2397	2864
Residential	-	-	-	-	-	648	-	-	1777	849
Comm. and public services	-	-	-	-	-	989	-	6	497	465
Agriculture/forestry	-	-	-	-	-	3	-	-	104	197
Fishing	-	-	-	-	-	3	-	-	-	847
Non-specified	-	-	-	-	-	20	-	432	19	506
NON-ENERGY USE	-	-	-	-	-	2594	-	-	-	-
in industry/transf./energy	-	-	-	-	-	2594	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	2594	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Korea

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	10383	31503	372	10871	77468	884	6955	148772	562603	221783
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	7052	23861	-	35	-	-	-	-	-	-
Exports	-1956	-5855	-	-7235	-	-	-	-	-	-
Intl. marine bunkers	-9172	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	352	-223	-1	-32	-	-	-	-	-	-
DOMESTIC SUPPLY	6659	49286	371	3639	77468	884	6955	148772	562603	221783
Transfers	-597	2086	-	-172	-	-	-	-	-	-
Statistical differences	348	720	314	52	-1	-	-	-	13249	-14632
TRANSFORMATION	2948	10221	327	174	40273	395	5062	31158	-	1497
Electricity plants	2542	123	-	50	33364	395	4184	4898	-	1497
CHP plants	232	1116	327	-	5443	-	878	5140	-	-
Heat plants	174	-	-	-	1466	-	-	21120	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	8982	-	124	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	1576	-	286	-	-	-	-	-	40106	3707
Fuel mining and extraction	16	-	-	-	-	-	-	-	-	-
Oil refineries	1560	-	286	-	-	-	-	-	12871	1174
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	22519	2533
Pumped storage plants	-	-	-	-	-	-	-	-	4716	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	18475	2638
FINAL CONSUMPTION	1886	41871	72	3345	37194	489	1893	117614	517271	199309
INDUSTRY	1318	-	47	-	23072	-	840	93638	265383	117291
Iron and steel	13	-	-	-	-	-	-	343	51599	208
Chemical and petrochemical	454	-	-	-	222	-	214	13821	47912	75330
Non-ferrous metals	13	-	-	-	-	-	-	-	9039	2
Non-metallic minerals	365	-	45	-	102	-	-	28167	12873	106
Transport equipment	76	-	-	-	109	-	-	-	24644	297
Machinery	15	-	-	-	4	-	-	-	78574	141
Mining and quarrying	8	-	2	-	3	-	-	-	1823	-
Food and tobacco	41	-	-	-	1194	-	364	1301	11431	4794
Paper, pulp and print	26	-	-	-	12491	-	64	15942	10407	10225
Wood and wood products	2	-	-	-	6159	-	-	291	1993	387
Construction	41	-	-	-	-	-	-	1067	-	-
Textile and leather	67	-	-	-	1023	-	40	2804	11875	16669
Non-specified	197	-	-	-	1765	-	158	29902	3213	9132
TRANSPORT	169	-	-	-	-	489	-	-	2689	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	12	-	-	-	-	489	-	-	-	-
Rail	-	-	-	-	-	-	-	-	2689	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	157	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	399	-	-	-	14122	-	1053	23976	249199	82018
Residential	112	-	-	-	5877	-	-	-	68775	70918
Comm. and public services	239	-	-	-	5607	-	1047	23951	164422	11100
Agriculture/forestry	30	-	-	-	2638	-	6	25	13838	-
Fishing	18	-	-	-	-	-	-	-	2164	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	41871	25	3345	-	-	-	-	-	-
in industry/transf./energy	-	41871	-	2805	-	-	-	-	-	-
of which: chem./petrochem.	-	41871	-	1226	-	-	-	-	-	-
in transport	-	-	-	500	-	-	-	-	-	-
in other	-	-	25	40	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Korea: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	1486	-	-	16727	1078	-	149422	248852	-	14203
From other sources	-	-	-	-	-	-	-	-	-	-	361
Imports	35676	105136	7423	-	334	-	-	-	-	-	2029463
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	450	290	-	-	-	-	-	-	-	-	-33352
DOMESTIC SUPPLY	36126	106912	7423	-	17061	1078	-	149422	248852	-	2010675

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	30	-	-	688	3832	2773	17988	21913	2722	46627
From other sources	-	-	10804	-	-	-	-	-	-	-
Imports	150890	-	824	81	-	6363	130	-	4	271
Exports	-	-	-324	-3	-	-210	-9611	-15154	-685	-23561
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1289
Intl. aviation bunkers	-	-	-	-	-	-	-	-5068	-	-
Stock changes	1187	-	-211	3	-	-191	-19	-210	59	118
DOMESTIC SUPPLY	152107	-	11093	769	3832	8735	8488	1481	2100	22166
Transfers	-	-	-145	-692	396	414	733	-50	494	591

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	9889	35356	395	11311	126110	993	11322	151803	565526	215579
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	7067	23554	-	10	-	-	-	-	-	-
Exports	-2463	-5198	-	-7606	-	-	-	-	-	-
Intl. marine bunkers	-8852	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-240	239	-	-42	-	-	-	-	-	-
DOMESTIC SUPPLY	5401	53951	395	3673	126110	993	11322	151803	565526	215579
Transfers	-635	-256	-	-854	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Latvia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	4	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	67	-	-	-	-	-	-	-	-	42930
Exports	-	-6	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	10	-	-	-	-	-	-	-	-1	8557
DOMESTIC SUPPLY	-	71	-	-	-	-	-	-	-	3	51487
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	9	-	-	-	-	-	-	-	-	35776
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	6	-	-	-	-	-	-	-	-	32978
Heat plants	-	3	-	-	-	-	-	-	-	-	2798
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	563
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	563
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	203
FINAL CONSUMPTION	-	62	-	-	-	-	-	-	-	3	14945
INDUSTRY	-	31	-	-	-	-	-	-	-	3	5006
Iron and steel	-	-	-	-	-	-	-	-	-	-	51
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	420
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	40
Non-metallic minerals	-	28	-	-	-	-	-	-	-	-	1299
Transport equipment	-	-	-	-	-	-	-	-	-	-	48
Machinery	-	1	-	-	-	-	-	-	-	-	225
Mining and quarrying	-	-	-	-	-	-	-	-	-	3	35
Food and tobacco	-	2	-	-	-	-	-	-	-	-	1536
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	94
Wood and wood products	-	-	-	-	-	-	-	-	-	-	601
Construction	-	-	-	-	-	-	-	-	-	-	377
Textile and leather	-	-	-	-	-	-	-	-	-	-	201
Non-specified	-	-	-	-	-	-	-	-	-	-	79
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	31	-	-	-	-	-	-	-	-	9939
Residential	-	21	-	-	-	-	-	-	-	-	4948
Comm. and public services	-	10	-	-	-	-	-	-	-	-	4380
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	608
Fishing	-	-	-	-	-	-	-	-	-	-	3
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Latvia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1	-	-	-	-	232	234	122	-	1874
Exports	-1	-	-	-	-	-139	-41	-2	-	-591
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-164
Intl. aviation bunkers	-	-	-	-	-	-	-	-119	-	-
Stock changes	-	-	-	-	-	-2	-4	-	-	-167
DOMESTIC SUPPLY	-	-	-	-	-	91	189	1	-	952
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	10	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	6
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	6
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	91	199	1	-	946
INDUSTRY	-	-	-	-	-	10	1	-	-	36
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	3	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	6
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	3
Food and tobacco	-	-	-	-	-	4	-	-	-	3
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	1	-	-	-	9
Construction	-	-	-	-	-	2	1	-	-	15
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	57	190	-	-	741
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	57	190	-	-	682
Rail	-	-	-	-	-	-	-	-	-	55
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	4
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	24	8	1	-	169
Residential	-	-	-	-	-	17	5	-	-	27
Comm. and public services	-	-	-	-	-	5	1	-	-	29
Agriculture/forestry	-	-	-	-	-	2	2	-	-	104
Fishing	-	-	-	-	-	-	-	-	-	8
Non-specified	-	-	-	-	-	-	-	1	-	1
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Latvia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	86912	50	3762	369	6425	28967
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	157	-	7	113	5474	17	-	1032	4828	-
Exports	-2	-	-	-31	-38442	-51	-	-	-3795	-
Intl. marine bunkers	-153	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-2	-	-3	4	175	2	-	135	-	-
DOMESTIC SUPPLY	-	-	4	86	54119	18	3762	1536	7458	28967
Transfers	-	-	-	12	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	17639	-	3424	-	2	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	10331	-	3424	-	-	-
Heat plants	-	-	-	-	6947	-	-	-	2	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	361	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	498	1194
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	498	1194
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	476	3441
FINAL CONSUMPTION	-	-	4	98	36480	18	338	1536	6482	24332
INDUSTRY	-	-	4	1	13829	-	24	1536	1667	2506
Iron and steel	-	-	-	-	-	-	-	-	14	2
Chemical and petrochemical	-	-	-	-	178	-	22	-	62	43
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	4	-	25	-	-	1536	225	10
Transport equipment	-	-	-	-	4	-	-	-	45	64
Machinery	-	-	-	-	109	-	-	-	97	14
Mining and quarrying	-	-	-	-	9	-	-	-	12	18
Food and tobacco	-	-	-	1	358	-	2	-	277	162
Paper, pulp and print	-	-	-	-	11	-	-	-	26	7
Wood and wood products	-	-	-	-	12886	-	-	-	738	2095
Construction	-	-	-	-	84	-	-	-	66	43
Textile and leather	-	-	-	-	9	-	-	-	30	21
Non-specified	-	-	-	-	156	-	-	-	75	27
TRANSPORT	-	-	-	-	-	18	-	-	105	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	14	-	-	54	-
Rail	-	-	-	-	-	2	-	-	39	-
Pipeline transport	-	-	-	-	-	-	-	-	12	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	2	-	-	-	-
OTHER	-	-	-	-	22651	-	314	-	4710	21826
Residential	-	-	-	-	18859	-	-	-	1793	15469
Comm. and public services	-	-	-	-	3238	-	118	-	2733	5925
Agriculture/forestry	-	-	-	-	547	-	196	-	172	428
Fishing	-	-	-	-	7	-	-	-	10	-
Non-specified	-	-	-	-	-	-	-	-	2	4
NON-ENERGY USE	-	-	-	97	-	-	-	-	-	-
in industry/transf./energy	-	-	-	63	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	1	-	-	-	-	-	-
in transport	-	-	-	33	-	-	-	-	-	-
in other	-	-	-	1	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Latvia: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	2	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	68	-	-	-	-	-	-	-	-	47111
Exports	-	-6	-	-	-	-	-	-	-	-1	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	8	-	-	-	-	-	-	-	3	-1260
DOMESTIC SUPPLY	-	70	-	-	-	-	-	-	-	4	45851

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1	-	-	-	-	239	213	133	-	1895
Exports	-1	-	-	-	-	-145	-35	-	-	-371
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-136
Intl. aviation bunkers	-	-	-	-	-	-	-	-132	-	-
Stock changes	-	-	-	-	-	-1	1	-	-	-21
DOMESTIC SUPPLY	-	-	-	-	-	93	179	1	-	1367
Transfers	-	-	-	-	-	-	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	..	85358	62	3901	459	7531	29977
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	129	-	7	110	5461	15	-	1549	4073	-
Exports	-3	-	-	-40	-36369	-66	-	-	-4137	-
Intl. marine bunkers	-126	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-	-	-	..	4938	4	-	-19	-	-
DOMESTIC SUPPLY	-	-	7	70	59388	15	3901	1989	7467	29977
Transfers	-	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Luxembourg

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	218
Imports	-	81	-	-	1	8	-	-	-	-	32988
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	81	-	-	1	8	-	-	-	-	33206
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	3761
Electricity plants	-	-	-	-	-	-	-	-	-	-	110
CHP plants	-	-	-	-	-	-	-	-	-	-	3510
Heat plants	-	-	-	-	-	-	-	-	-	-	141
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	81	-	-	1	8	-	-	-	-	29445
INDUSTRY	-	81	-	-	1	7	-	-	-	-	13020
Iron and steel	-	11	-	-	1	-	-	-	-	-	6271
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	819
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	c
Non-metallic minerals	-	70	-	-	-	-	-	-	-	-	3158
Transport equipment	-	-	-	-	-	-	-	-	-	-	20
Machinery	-	-	-	-	-	-	-	-	-	-	161
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	28
Food and tobacco	-	-	-	-	-	-	-	-	-	-	334
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	125
Wood and wood products	-	-	-	-	-	-	-	-	-	-	137
Construction	-	-	-	-	-	7	-	-	-	-	263
Textile and leather	-	-	-	-	-	-	-	-	-	-	1265
Non-specified	-	-	-	-	-	-	-	-	-	-	439
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1	-	-	-	-	16425
Residential	-	-	-	-	-	1	-	-	-	-	10295
Comm. and public services	-	-	-	-	-	-	-	-	-	-	6130
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	c
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Luxembourg

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	12	281	499	-	1762
Exports	-	-	-	-	-	-3	-	-	-	-1
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-499	-	-
Stock changes	-	-	-	-	-	-	-4	-	-	3
DOMESTIC SUPPLY	-	-	-	-	-	9	277	-	-	1764
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-4
TRANSFORMATION	-	-	-	-	-	-	-	-	-	1
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	1
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	9	277	-	-	1759
INDUSTRY	-	-	-	-	-	-	-	-	-	9
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	6
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	1
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	1
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	1
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	1	277	-	-	1497
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	1	277	-	-	1493
Rail	-	-	-	-	-	-	-	-	-	4
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	8	-	-	-	253
Residential	-	-	-	-	-	-	-	-	-	163
Comm. and public services	-	-	-	-	-	8	-	-	-	72
Agriculture/forestry	-	-	-	-	-	-	-	-	-	18
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Luxembourg

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	2646	-	833	1946	2196	2432
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1	-	7	33	1351	103	-	-	7718	-
Exports	-	-	-	-2	-1106	-	-	-	-1420	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1	-	7	31	2891	103	833	1946	8494	2432
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	1	-	-	-	-5	-1
TRANSFORMATION	-	-	-	-	814	-	644	1400	-	-
Electricity plants	-	-	-	-	-	-	-	1400	-	-
CHP plants	-	-	-	-	612	-	448	-	-	-
Heat plants	-	-	-	-	202	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	196	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	1964	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	21	-
Pumped storage plants	-	-	-	-	-	-	-	-	1943	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	158	230
FINAL CONSUMPTION	1	-	7	31	2078	103	189	546	6367	2201
INDUSTRY	1	-	-	-	999	-	-	546	3406	15
Iron and steel	-	-	-	-	-	-	-	-	1749	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	386	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	186	-	-	546	274	-
Transport equipment	-	-	-	-	-	-	-	-	10	-
Machinery	-	-	-	-	-	-	-	-	89	-
Mining and quarrying	-	-	-	-	-	-	-	-	14	-
Food and tobacco	-	-	-	-	-	-	-	-	170	-
Paper, pulp and print	-	-	-	-	-	-	-	-	40	-
Wood and wood products	-	-	-	-	813	-	-	-	7	-
Construction	-	-	-	-	-	-	-	-	165	-
Textile and leather	-	-	-	-	-	-	-	-	108	4
Non-specified	1	-	-	-	-	-	-	-	394	11
TRANSPORT	-	-	-	-	-	103	-	-	151	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	103	-	-	1	-
Rail	-	-	-	-	-	-	-	-	150	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	1079	-	189	-	2810	2186
Residential	-	-	-	-	1056	-	-	-	878	-
Comm. and public services	-	-	-	-	23	-	56	-	1898	2186
Agriculture/forestry	-	-	-	-	-	-	133	-	34	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	7	31	-	-	-	-	-	-
in industry/transf./energy	-	-	7	22	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	9	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Luxembourg: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	248
Imports	-	68	-	-	1	9	-	-	-	-	32245
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	68	-	-	1	9	-	-	-	-	32493

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	12	302	560	-	1812
Exports	-	-	-	-	-	-3	-	-	-	-1
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-560	-	-
Stock changes	-	-	-	-	-	-	2	-	-	8
DOMESTIC SUPPLY	-	-	-	-	-	9	304	-	-	1819
Transfers	-	-	-	-	-	-	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	..	2887	-	881	2103	2224	2616
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	1	-	8	30	1199	127	-	-	7567	-
Exports	-	-	-	-2	-920	-	-	-	-1389	-
Intl. marine bunkers	-	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-	-	-	..	-	-	-	-	-	-
DOMESTIC SUPPLY	1	-	8	28	3166	127	881	2103	8402	2616
Transfers	-	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Mexico

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	4399	38	7654	476	1462	-	-	11252 e	20385 e	-	1415746
From other sources	-	-	-	-	-	-	-	-	-	-	10880
Imports	456 e	6200 e	1621	3	1109	4	-	-	-	-	1653977
Exports	-	-2	-	-	-	-	-	-	-	-	-1017
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-3	-	-424	-26	-	-	-	-	-	-	10064
DOMESTIC SUPPLY	4852	6236	8851	453	2571	4	-	11252	20385	-	3089650
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-2404 e	-	2404	-	-	-	-	-	-	-	-170727
TRANSFORMATION	1954	6175	10058	-	1764	-	-	512	4677	-	1684576
Electricity plants	-	6175 e	10058	-	-	-	-	512	4677	-	1473304
CHP plants	-	-	-	-	-	-	-	-	-	-	211272
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	1764 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	1954	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	82	-	-	-	13425	-	571063
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	443234
Oil refineries	-	-	-	-	-	-	-	-	-	-	114410
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	82	-	-	-	13425 e	-	13419
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	494	61	1197	453	725	4	-	10740	2283	-	663284
INDUSTRY	494	61	1197	453	631	4	-	10740	2283	-	593225
Iron and steel	-	-	-	-	631 e	-	-	10740 e	2283	-	139880
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	132647
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	351	-	-	-	-	-	-	-	62551
Transport equipment	-	-	-	-	-	-	-	-	-	-	5377
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	9714
Food and tobacco	-	-	-	-	-	-	-	-	-	-	17242
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	32368
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	494	61	846	453	-	4	-	-	-	-	193446
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1062
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1062
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	45781
Residential	-	-	-	-	-	-	-	-	-	-	34090
Comm. and public services	-	-	-	-	-	-	-	-	-	-	11691
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	94	-	-	-	-	-	23216
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	23216
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	23216
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	94	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Mexico

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	111482	8691	-	274	3190	541	13563	1958	-	11580
From other sources	37	-	62	-	-	-	-	-	-	-
Imports	-	-	-	553	-	4556	20575	1547	-	9291
Exports	-63247	-	-	-	-	-154	-	-	-	-749
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-798
Intl. aviation bunkers	-	-	-	-	-	-	-	-3487	-	-
Stock changes	-128	-	-	-	-	-39	-280	-33	-	301
DOMESTIC SUPPLY	48144	8691	62	827	3190	4904	33858	-15	-	19625
Transfers	-	-6581	420	-	-	6397	-	-42	42	-
Statistical differences	46	-	-	-	-	79	512	70	-	962
TRANSFORMATION	48190	2110	482	827	-	365	-	-	-	642
Electricity plants	-	-	-	-	-	1	-	-	-	618
CHP plants	-	-	-	-	-	74	-	-	-	24
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	48190	2110	482	827	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	290	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	3190	-	-	-	-	706
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	3190	-	-	-	-	706
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	11015	34370	13	42	19239
INDUSTRY	-	-	-	-	-	953	-	-	-	1855
Iron and steel	-	-	-	-	-	-	-	-	-	24
Chemical and petrochemical	-	-	-	-	-	17	-	-	-	139
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	3	-	-	-	7
Transport equipment	-	-	-	-	-	-	-	-	-	22
Machinery	-	-	-	-	-	14	-	-	-	-
Mining and quarrying	-	-	-	-	-	153	-	-	-	126
Food and tobacco	-	-	-	-	-	52	-	-	-	92
Paper, pulp and print	-	-	-	-	-	9	-	-	-	32
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	267
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	705	-	-	-	1146
TRANSPORT	-	-	-	-	-	1252	34370	13	-	14342
Domestic aviation	-	-	-	-	-	-	-	13	-	-
Road	-	-	-	-	-	1252	34370	-	-	12844
Rail	-	-	-	-	-	-	-	-	-	660
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	838
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	6558	-	-	42	3042
Residential	-	-	-	-	-	5107	-	-	42	-
Comm. and public services	-	-	-	-	-	1345	-	-	-	44
Agriculture/forestry	-	-	-	-	-	106	-	-	-	2998
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	2252	-	-	-	-
in industry/transf./energy	-	-	-	-	-	2252	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	2216	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Mexico

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	13007	3008	2530	1257	360430	-	1912	552	320353	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1768	236	3392	-	-	-	-	-	2232	-
Exports	-6458	-2044	-	-	-	-	-	-	-1968	-
Intl. marine bunkers	-86	-	-	-1	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-89	-	68	92	-	-	-	-	-	-
DOMESTIC SUPPLY	8142	1200	5990	1348	360430	-	1912	552	320617	-
Transfers	-	-236	-	-	-	-	-	-	-	-
Statistical differences	767	-17	-721	-28	1	-	-	-	11294	-
TRANSFORMATION	6985	62	917	-	70597	-	1912	552	-	-
Electricity plants	6423	-	917	-	57391	-	777	552	-	-
CHP plants	562	-	-	-	13206	-	1135	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	62	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	1112	-	-	53	-	-	-	-	21542	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	2275	-
Oil refineries	1112	-	-	53	-	-	-	-	1568	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	17699	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	4002	-
FINAL CONSUMPTION	812	885	4352	1267	289834	-	-	-	270367	-
INDUSTRY	788	20	4352	-	38276	-	-	-	145945	-
Iron and steel	43	-	58	-	-	-	-	-	5375	-
Chemical and petrochemical	79	20	237	-	-	-	-	-	5876	-
Non-ferrous metals	-	-	-	-	-	-	-	-	804	-
Non-metallic minerals	71	-	3888	-	-	-	-	-	11688	-
Transport equipment	-	-	-	-	-	-	-	-	2673	-
Machinery	-	-	47	-	-	-	-	-	-	-
Mining and quarrying	48	-	-	-	-	-	-	-	11286	-
Food and tobacco	66	-	-	-	33165	-	-	-	2285	-
Paper, pulp and print	241	-	-	-	-	-	-	-	3315	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	555	-
Textile and leather	-	-	-	-	-	-	-	-	75	-
Non-specified	240	-	122	-	5111	-	-	-	102013	-
TRANSPORT	24	-	-	-	-	-	-	-	1140	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	1140	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	24	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	251558	-	-	-	123282	-
Residential	-	-	-	-	251558	-	-	-	58966	-
Comm. and public services	-	-	-	-	-	-	-	-	23995	-
Agriculture/forestry	-	-	-	-	-	-	-	-	11335	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	28986	-
NON-ENERGY USE	-	865	-	1267	-	-	-	-	-	-
in industry/transf./energy	-	865	-	1267	-	-	-	-	-	-
of which: chem./petrochem.	-	865	-	120	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Mexico: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	4566	39	6751	420	1384	-	-	10650	19336	-	1204326
From other sources	-	-	-	-	-	-	-	-	-	-	1595
Imports	132	6600	3667	3	1187	2	-	-	-	-	1928230
Exports	-	-3	-	-	-99	-	-	-	-	-	-864
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	8	-1448	-147	-	-	-	-	-	-	-2577
DOMESTIC SUPPLY	4698	6644	8970	276	2472	2	-	10650	19336	-	3130710

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	100827	7920	-	189	2445	504	10676	1884	-	7893
From other sources	33	-	52	-	-	-	-	-	-	-
Imports	-	-	-	765	-	4025	23114	1993	-	11196
Exports	-62606	-	-	-	-	-197	-	-	-	-194
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-712
Intl. aviation bunkers	-	-	-	-	-	-	-	-3900	-	-
Stock changes	561	-	-	-	-	-54	10	12	-	-185
DOMESTIC SUPPLY	38815	7920	52	954	2445	4278	33800	-11	-	17998
Transfers	-	-6054	167	-	-	5913	-	-42	42	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	12360	2441	1657	1161	367177	-	2520	615	319451	-
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	2589	26	3392	..	-	-	-	-	2151	-
Exports	-5923	-1741	-	..	-	-	-	-	-1804	-
Intl. marine bunkers	-72	-	-	-1	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	162	-	12	12	-	-	-	-	-	-
DOMESTIC SUPPLY	9116	726	5061	1172	367177	-	2520	615	319798	-
Transfers	-	-26	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Netherlands

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	2108	-	-	17472	35631	-	1771444
From other sources	-	-	-	-	-	-	-	-	-	-	6972
Imports	4589	44870	-	36	737	40	-	-	-	-	1530222
Exports	-	-34579	-	-	-841	-	-	-	-	-	-1988333
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-49
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-233	1830	-	-	-25	-	-	-	-	-	83667
DOMESTIC SUPPLY	4356	12121	-	36	1979	40	-	17472	35631	-	1403923
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	1	-	-	-1	-	-	-1	-	-	-17838
TRANSFORMATION	4238	12085	-	-	1776	-	-	1495	22715	-	422176
Electricity plants	-	10595	-	-	-	-	-	1417	13783	-	173201
CHP plants	-	1490	-	-	-	-	-	78	8932	-	242850
Heat plants	-	-	-	-	-	-	-	-	-	-	6125
Blast furnaces	1343 e	-	-	-	1776 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	2895	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	6793	1802	-	63653
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	27220
Oil refineries	-	-	-	-	-	-	-	-	-	-	34878
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	6793	1802	-	1555
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	118	37	-	36	202	40	-	9183	11114	-	900256
INDUSTRY	116	37	-	36	199	34	-	9183	11114	-	226527
Iron and steel	116 e	-	-	-	163 e	-	-	9183	11114	-	11751
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	82144
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	3094
Non-metallic minerals	-	-	-	27	34	-	-	-	-	-	20477
Transport equipment	-	-	-	-	-	-	-	-	-	-	2298
Machinery	-	-	-	-	-	-	-	-	-	-	11908
Mining and quarrying	-	-	-	9	-	-	-	-	-	-	2082
Food and tobacco	-	37	-	-	-	-	-	-	-	-	63547
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	14413
Wood and wood products	-	-	-	-	-	-	-	-	-	-	1093
Construction	-	-	-	-	2	-	-	-	-	-	4946
Textile and leather	-	-	-	-	-	-	-	-	-	-	2830
Non-specified	-	-	-	-	-	34	-	-	-	-	5944
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1983
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1983
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	6	-	-	-	-	581013
Residential	-	-	-	-	-	2	-	-	-	-	330251
Comm. and public services	-	-	-	-	-	4	-	-	-	-	147602
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	102999
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	161
NON-ENERGY USE	2	-	-	-	3	-	-	-	-	-	90733
in industry/transf./energy	2	-	-	-	3	-	-	-	-	-	90733
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	90733
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Netherlands

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	957	291	-	323	2243	1640	3902	7534	730	19095
From other sources	-	-	3787	-	-	-	-	-	-	-
Imports	54317	6462	-	596	-	3684	9924	4469	230	18866
Exports	-326	-61	-	-405	-	-1935	-19583	-8257	-692	-30148
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-2012
Intl. aviation bunkers	-	-	-	-	-	-	-	-3753	-	-
Stock changes	-557	-46	-	-6	-	117	-29	80	-18	468
DOMESTIC SUPPLY	54391	6646	3787	508	2243	3506	-5786	73	250	6269
Transfers	-579	329	-368 e	-356	2599	-112	9594	-60	-181	333
Statistical differences	-	-	-41	-	-43	-20	-1	-	-	191
TRANSFORMATION	53812	4425	3378	152	651	675	-	-	16	15
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	275	-	-	-	-	15
Heat plants	-	-	-	-	226	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	53812	3223	3378	152	-	-	-	-	-	-
Petrochemical plants	-	1202	-	-	-	675	-	-	16	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	150	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	1846	35	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	1846	35	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	2550	-	-	2302	2664	3807	13	53	6778
INDUSTRY	-	-	-	-	2302	52	-	-	-	424
Iron and steel	-	-	-	-	-	-	-	-	-	4
Chemical and petrochemical	-	-	-	-	2302	46	-	-	-	1
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	1	-	-	-	6
Transport equipment	-	-	-	-	-	-	-	-	-	5
Machinery	-	-	-	-	-	2	-	-	-	1
Mining and quarrying	-	-	-	-	-	-	-	-	-	5
Food and tobacco	-	-	-	-	-	1	-	-	-	6
Paper, pulp and print	-	-	-	-	-	1	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	395
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	-	1
TRANSPORT	-	-	-	-	-	167	3807	7	-	5672
Domestic aviation	-	-	-	-	-	-	-	7	-	-
Road	-	-	-	-	-	167	3807	-	-	5339
Rail	-	-	-	-	-	-	-	-	-	28
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	305
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	95	-	6	6	682
Residential	-	-	-	-	-	22	-	-	6	7
Comm. and public services	-	-	-	-	-	42	-	-	-	113
Agriculture/forestry	-	-	-	-	-	31	-	-	-	381
Fishing	-	-	-	-	-	-	-	-	-	157
Non-specified	-	-	-	-	-	-	-	6	-	24
NON-ENERGY USE	-	2550	-	-	-	2350	-	-	47	-
in industry/transf./energy	-	2550	-	-	-	2350	-	-	47	-
of which: chem./petrochem.	-	2550	-	-	-	2350	-	-	45	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Netherlands

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	11961	10133	403	2502	57187	1462	13339	61527	115170	118706
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	31624	16217	1212	6983	4460	216	-	19400	24258	-
Exports	-31115	-12670	-1239	-6514	-10754	-1273	-	-2627	-19343	-
Intl. marine bunkers	-10548	-	-	-82	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	305	-117	-2	-202	-	-22	-	-	-	-
DOMESTIC SUPPLY	2227	13563	374	2687	50893	383	13339	78300	120085	118706
Transfers	-2204	-6696	-	-2019	-	-	-	-	-	-
Statistical differences	1	45	-	46	2	-39	114	-	295	1320
TRANSFORMATION	-	1884	-	10	22890	-	8865	75189	-	14510
Electricity plants	-	-	-	-	12708	-	466	-	-	-
CHP plants	-	-	-	-	8839	-	5779	75189	-	-
Heat plants	-	-	-	-	1343	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	1884	-	10	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	2620	-	-	14510
ENERGY IND. OWN USE	-	-	304	1	-	-	-	-	9318	12192
Fuel mining and extraction	-	-	-	-	-	-	-	-	2658	-
Oil refineries	-	-	304	1	-	-	-	-	2391	10318
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	4186	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	83	1874
Losses	-	-	-	-	-	-	-	-	5434	3767
FINAL CONSUMPTION	24	5028	70	703	28005	344	4588	3111	105628	89557
INDUSTRY	5	-	-	-	4704	10	722	-	35740	66139
Iron and steel	-	-	-	-	-	-	-	-	2606	7
Chemical and petrochemical	-	-	-	-	-	-	-	-	12990	58311
Non-ferrous metals	-	-	-	-	-	-	-	-	2236	24
Non-metallic minerals	5	-	-	-	-	-	-	-	1293	3
Transport equipment	-	-	-	-	-	-	-	-	609	3
Machinery	-	-	-	-	-	-	-	-	2997	30
Mining and quarrying	-	-	-	-	-	-	-	-	247	1692
Food and tobacco	-	-	-	-	-	-	459	-	6903	4002
Paper, pulp and print	-	-	-	-	-	-	209	-	2492	1790
Wood and wood products	-	-	-	-	1378	-	-	-	202	27
Construction	-	-	-	-	131	10	-	-	884	-
Textile and leather	-	-	-	-	-	-	-	-	355	211
Non-specified	-	-	-	-	3195	-	54	-	1926	39
TRANSPORT	-	-	-	-	-	324	-	-	1871	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	323	-	-	278	-
Rail	-	-	-	-	-	1	-	-	1593	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	19	-	-	-	23301	10	3866	3111	68017	23418
Residential	-	-	-	-	19036	-	-	-	22654	12275
Comm. and public services	-	-	-	-	1261	-	1537	3111	36533	7643
Agriculture/forestry	-	-	-	-	3004	10	2329	-	8830	3500
Fishing	19	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	5028	70	703	-	-	-	-	-	-
in industry/transf./energy	-	5028	70	604	-	-	-	-	-	-
of which: chem./petrochem.	-	5028	70	378	-	-	-	-	-	-
in transport	-	-	-	64	-	-	-	-	-	-
in other	-	-	-	35	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Netherlands: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	2036	-	-	17917	36995	-	1545044
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	4225	35957	-	78	1074	42	-	-	-	-	1793256
Exports	-	-24420	-	-	-1220	-	-	-	-	-	-1853926
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	169	-1261	-	-	87	-	-	-	-	-	-40002
DOMESTIC SUPPLY	4394	10276	-	78	1977	42	-	17917	36995	-	1444372

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	941	241	-	271	2131	1583	3219	7805	431	19152
From other sources	-	-	3915	-	-	-	-	-	-	-
Imports	54063	7141	-	502	-	3544	10804	3802	385	17188
Exports	-411	-44	-	-422	-	-2027	-19947	-7728	-524	-29798
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-2004
Intl. aviation bunkers	-	-	-	-	-	-	-	-3893	-	-
Stock changes	-643	-63	-	56	-	13	-206	90	-20	1315
DOMESTIC SUPPLY	53950	7275	3915	407	2131	3113	-6130	76	272	5853
Transfers	-579	-391	-1242	-	2599	-205	10048	-84	-199	928

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	11723	10810	403	2777	57230	1932	13325	60857	116585	112361
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	16691	17209	1212	21493	4460	231	-	19400	22458	-
Exports	-16401	-12834	-1239	-21954	-10754	-1626	-	-2627	-18952	-
Intl. marine bunkers	-9184	-	-	-157	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1037	-392	-2	-766	-	-111	-	-	-	-
DOMESTIC SUPPLY	3866	14793	374	1393	50936	426	13325	77630	120091	112361
Transfers	-3817	-6700	-	-78	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

New Zealand

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	1171	34	1352	313	502	-	-	4120	6985	-	196791
From other sources	-	-	-	-	-	-	-	16	-	-	-
Imports	-	74	379	-	-	-	-	-	-	-	-
Exports	-1187	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	90	-3	186	-6	-	-	-	-	-	-	-966
DOMESTIC SUPPLY	74	105	1917	307	502	-	-	4136	6985	-	195825
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-22	17	-76	8	-	-	-	-	-	-	838
TRANSFORMATION	-	-	1110	16	502	-	-	1854	5377	-	50938
Electricity plants	-	-	218	-	-	-	-	-	-	-	37761
CHP plants	-	-	2	16	-	-	-	1854	5377	-	13177
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	502	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	890	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	44	-	52	3	-	-	-	1664	336	-	9658
Fuel mining and extraction	44	-	52	3	-	-	-	-	-	-	5083
Oil refineries	-	-	-	-	-	-	-	-	-	-	4559
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	1664	336	-	16
Losses	-	-	-	-	-	-	-	-	264	-	639
FINAL CONSUMPTION	8	122	679	296	-	-	-	618	1008	-	135428
INDUSTRY	7	121	593	248	-	-	-	618	1008	-	61175
Iron and steel	-	-	-	-	-	-	-	618	1008	-	2432
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	34624
Non-ferrous metals	-	-	1	-	-	-	-	-	-	-	-
Non-metallic minerals	-	84	-	-	-	-	-	-	-	-	1521
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	281
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	125
Food and tobacco	6	-	563	247	-	-	-	-	-	-	15459
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	3941
Wood and wood products	1	-	26	1	-	-	-	-	-	-	1614
Construction	-	-	-	-	-	-	-	-	-	-	489
Textile and leather	-	-	3	-	-	-	-	-	-	-	557
Non-specified	-	37	-	-	-	-	-	-	-	-	132
TRANSPORT	-	-	-	-	-	-	-	-	-	-	16
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	16
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	1	1	86	48	-	-	-	-	-	-	16083
Residential	-	-	8	10	-	-	-	-	-	-	6360
Comm. and public services	1	-	23	36	-	-	-	-	-	-	8117
Agriculture/forestry	-	1	55	2	-	-	-	-	-	-	1606
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	58154
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	58154
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	58154
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

New Zealand

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	1575	177	-	-	247	-	1485	1159	-	1949
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	5286	-	168	-	-	24	982	213	-	1033
Exports	-1503	-5	-	-	-	-25	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-48
Intl. aviation bunkers	-	-	-	-	-	-	-	-815	-	-
Stock changes	-45	1	-14	-	-	-	-52	2	-	-38
DOMESTIC SUPPLY	5313	173	154	-	247	-1	2415	559	-	2896
Transfers	-	-173	-	-	-	173	-	-2	2	-8
Statistical differences	55	-	-	-	-	-2	-30	-292	-	2
TRANSFORMATION	5368	-	154	-	-	-	-	-	-	1
Electricity plants	-	-	-	-	-	-	-	-	-	1
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	5368	-	154	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	247	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	247	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	170	2385	265	2	2889
INDUSTRY	-	-	-	-	-	67	8	-	-	361
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	60
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	101
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	67	8	-	-	200
TRANSPORT	-	-	-	-	-	6	2334	265	2	2034
Domestic aviation	-	-	-	-	-	-	-	265	2	-
Road	-	-	-	-	-	6	2334	-	-	1928
Rail	-	-	-	-	-	-	-	-	-	46
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	60
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	97	43	-	-	494
Residential	-	-	-	-	-	65	1	-	-	3
Comm. and public services	-	-	-	-	-	30	10	-	-	107
Agriculture/forestry	-	-	-	-	-	2	30	-	-	322
Fishing	-	-	-	-	-	-	2	-	-	62
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

New Zealand

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	463	-	-	219 e	58272	4	3185	-	43033	1416
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	137	195 e	-	-	-	-	-	-
Exports	-161	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-248	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1	-	-11	-80	-	-	-	-	-	-
DOMESTIC SUPPLY	55	-	126	334	58272	4	3185	-	43033	1416
Transfers	-	-	-	8 e	-	-	-	-	-	-
Statistical differences	-20	-	-2	-9	-	-	34	-	-266	-
TRANSFORMATION	-	-	-	-	4655	-	2966	-	-	1416
Electricity plants	-	-	-	-	-	-	1028	-	-	1416
CHP plants	-	-	-	-	4655	-	1938	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	52	-	-	-	-	1269	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	75	-
Oil refineries	-	-	-	52	-	-	-	-	425	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	551	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	218	-
Losses	-	-	-	-	-	-	-	-	3038	-
FINAL CONSUMPTION	35	-	124	281	53617	4	253	-	38460	-
INDUSTRY	-	-	-	-	45500	-	39	-	13920	-
Iron and steel	-	-	-	-	-	-	-	-	1445	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	379	-
Non-ferrous metals	-	-	-	-	-	-	-	-	5053	-
Non-metallic minerals	-	-	-	-	-	-	-	-	288	-
Transport equipment	-	-	-	-	-	-	-	-	29	-
Machinery	-	-	-	-	-	-	-	-	143	-
Mining and quarrying	-	-	-	-	-	-	-	-	288	-
Food and tobacco	-	-	-	-	-	-	39	-	2518	-
Paper, pulp and print	-	-	-	-	-	-	-	-	1262	-
Wood and wood products	-	-	-	-	45500	-	-	-	1449	-
Construction	-	-	-	-	-	-	-	-	397	-
Textile and leather	-	-	-	-	-	-	-	-	97	-
Non-specified	-	-	-	-	-	-	-	-	572	-
TRANSPORT	35	-	-	-	-	4	-	-	62	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	4	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	35	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	62	-
OTHER	-	-	-	-	8117	-	214	-	24478	-
Residential	-	-	-	-	8117	-	-	-	12308	-
Comm. and public services	-	-	-	-	-	-	214	-	9480	-
Agriculture/forestry	-	-	-	-	-	-	-	-	2541	-
Fishing	-	-	-	-	-	-	-	-	29	-
Non-specified	-	-	-	-	-	-	-	-	120	-
NON-ENERGY USE	-	-	124	281	-	-	-	-	-	-
in industry/transf./energy	-	-	124	281 e	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

New Zealand: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	1173	39	1410	319	509	-	-	4369	7385	-	194787
From other sources	-	-	-	-	-	-	-	16	-	-	-
Imports	-	74	388	-	-	-	-	-	-	-	-
Exports	-1142	-	-44	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	33	-9	167	3	-	-	-	-	-	-	3121
DOMESTIC SUPPLY	64	104	1921	322	509	-	-	4385	7385	-	197908

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	1418	184	-	-	264	-	1309	1221	-	2042
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	5267	-	156	-	-	16	1024	272	-	1042
Exports	-1318	-1	-	-	-	-13	-14	-	-	-7
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-44
Intl. aviation bunkers	-	-	-	-	-	-	-	-889	-	-
Stock changes	-8	2	4	-	-	-	79	6	-	85
DOMESTIC SUPPLY	5359	185	160	-	264	3	2398	610	-	3118
Transfers	-	-185	-	-	-	185	-	-2	2	1

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	434	-	-	150	61000	3	3230	-	43068	1428
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	-	-	125	131	-	-	-	-	-	-
Exports	-78	-	-	..	-	-	-	-	-	-
Intl. marine bunkers	-238	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-7	-	-	24	-	-	-	-	-	-
DOMESTIC SUPPLY	111	-	125	305	61000	3	3230	-	43068	1428
Transfers	-	-	-	-1	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Norway

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	818	-	-	-	-	-	-	3222	-	4760715
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	660	-	-	426	-	-	-	-	-	160
Exports	-	-912	-	-	-	-	-	-	-	-	-4501581
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-2195
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	146	-	-	-15	-	-	-	-	-	445
DOMESTIC SUPPLY	-	712	-	-	411	-	-	-	3222	-	257544
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	36	-	-	1	-	-	-	-	-	9906
TRANSFORMATION	-	81	-	-	228	-	-	-	1019	-	15897
Electricity plants	-	-	-	-	-	-	-	-	1006	-	25
CHP plants	-	26	-	-	-	-	-	-	-	-	15337
Heat plants	-	-	-	-	-	-	-	-	13	-	535
Blast furnaces	-	55	-	-	228	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	211628
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	210401
Oil refineries	-	-	-	-	-	-	-	-	-	-	1224
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	3
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	59	-	-
FINAL CONSUMPTION	-	667	-	-	184	-	-	-	2144	-	39926
INDUSTRY	-	590	-	-	184	-	-	-	2144	-	11557
Iron and steel	-	208	-	-	118	-	-	-	1408	-	28
Chemical and petrochemical	-	290	-	-	54	-	-	-	560	-	4508
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	1523
Non-metallic minerals	-	92	-	-	12	-	-	-	176	-	2368
Transport equipment	-	-	-	-	-	-	-	-	-	-	51
Machinery	-	-	-	-	-	-	-	-	-	-	154
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	129
Food and tobacco	-	-	-	-	-	-	-	-	-	-	1959
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	609
Wood and wood products	-	-	-	-	-	-	-	-	-	-	66
Construction	-	-	-	-	-	-	-	-	-	-	36
Textile and leather	-	-	-	-	-	-	-	-	-	-	31
Non-specified	-	-	-	-	-	-	-	-	-	-	95
TRANSPORT	-	-	-	-	-	-	-	-	-	-	5501
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	994
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	4507
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	1941
Residential	-	-	-	-	-	-	-	-	-	-	168
Comm. and public services	-	-	-	-	-	-	-	-	-	-	1170
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	603
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	77	-	-	-	-	-	-	-	-	20927
in industry/transf./energy	-	77	-	-	-	-	-	-	-	-	20927
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	20927
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Norway

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	79836	10263	-	85	420	419	3766	533	18	4984
From other sources	-	-	38	-	-	-	-	-	-	-
Imports	493	-	-	-	-	1202	383	381	52	1794
Exports	-69252	-	-	-	-	-7620	-3339	-20	-208	-2672
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-50
Intl. aviation bunkers	-	-	-	-	-	-	-	-502	-	-
Stock changes	-731	-	-	-	-	87	7	5	-	196
DOMESTIC SUPPLY	10346	10263	38	85	420	-5912	817	397	-138	4252
Transfers	-	-10263	2766	-	-	7435	-	-	-	-1
Statistical differences	48	-	1	-	-23	-289	-9	26	163	-233
TRANSFORMATION	10394	-	2805	85	-	45	-	-	-	14
Electricity plants	-	-	-	-	-	-	-	-	-	3
CHP plants	-	-	-	-	-	-	-	-	-	3
Heat plants	-	-	-	-	-	8	-	-	-	7
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	10394	-	2805	85	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	37	-	-	-	1
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	397	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	397	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	1189	808	423	25	4004
INDUSTRY	-	-	-	-	-	346	-	-	-	381
Iron and steel	-	-	-	-	-	1	-	-	-	6
Chemical and petrochemical	-	-	-	-	-	263	-	-	-	12
Non-ferrous metals	-	-	-	-	-	15	-	-	-	6
Non-metallic minerals	-	-	-	-	-	26	-	-	-	16
Transport equipment	-	-	-	-	-	-	-	-	-	3
Machinery	-	-	-	-	-	1	-	-	-	8
Mining and quarrying	-	-	-	-	-	1	-	-	-	56
Food and tobacco	-	-	-	-	-	29	-	-	-	37
Paper, pulp and print	-	-	-	-	-	1	-	-	-	4
Wood and wood products	-	-	-	-	-	-	-	-	-	8
Construction	-	-	-	-	-	3	-	-	-	222
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	6	-	-	-	2
TRANSPORT	-	-	-	-	-	4	663	381	-	3091
Domestic aviation	-	-	-	-	-	-	-	381	-	-
Road	-	-	-	-	-	4	663	-	-	2296
Rail	-	-	-	-	-	-	-	-	-	13
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	593
Non-specified	-	-	-	-	-	-	-	-	-	189
OTHER	-	-	-	-	-	28	145	42	25	532
Residential	-	-	-	-	-	1	145	-	25	137
Comm. and public services	-	-	-	-	-	20	-	-	-	218
Agriculture/forestry	-	-	-	-	-	7	-	-	-	105
Fishing	-	-	-	-	-	-	-	-	-	50
Non-specified	-	-	-	-	-	-	-	42	-	22
NON-ENERGY USE	-	-	-	-	-	811	-	-	-	-
in industry/transf./energy	-	-	-	-	-	811	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	811	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Norway

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1290	1111	473	-	35528	-	1200	18321	149630	22198
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1350	111	433	474	2608	450	-	-	5740	-
Exports	-1058	-2855	-198	-5	-682	-37	-	-	-22151	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1	-	48	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1583	-1633	756	469	37454	413	1200	18321	133219	22198
Transfers	-1513	1578	-	-1	-	-	-	-	-	-
Statistical differences	-35	55	-255	31	-17	-	31	1	-359	-222
TRANSFORMATION	-	-	-	1	7652	5	230	13408	1018	-
Electricity plants	-	-	-	-	78	-	100	-	-	-
CHP plants	-	-	-	-	231	-	30	8610	-	-
Heat plants	-	-	-	-	7343	5	100	4798	1018	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	1	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	9027	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	7120	-
Oil refineries	-	-	-	-	-	-	-	-	480	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	1427	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	9170	2456
FINAL CONSUMPTION	35	-	501	498	29785	408	1001	4914	113645	19520
INDUSTRY	11	-	6	-	8424	6	101	4568	45756	1483
Iron and steel	-	-	-	-	79	-	-	101	5175	5
Chemical and petrochemical	9	-	-	-	1974	1	100	1027	7748	2
Non-ferrous metals	-	-	3	-	-	-	-	-	20764	54
Non-metallic minerals	-	-	3	-	483	-	-	2552	868	2
Transport equipment	-	-	-	-	-	-	-	-	433	59
Machinery	-	-	-	-	-	-	-	4	1148	167
Mining and quarrying	-	-	-	-	2	-	-	-	416	2
Food and tobacco	-	-	-	-	23	1	-	3	2895	297
Paper, pulp and print	2	-	-	-	2342	-	-	837	3825	13
Wood and wood products	-	-	-	-	3486	-	-	44	675	280
Construction	-	-	-	-	-	-	-	-	1340	583
Textile and leather	-	-	-	-	-	-	1	-	73	2
Non-specified	-	-	-	-	35	4	-	-	396	17
TRANSPORT	24	-	-	-	-	393	400	-	970	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	393	400	-	341	-
Rail	-	-	-	-	-	-	-	-	629	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	24	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	21361	9	500	346	66919	18037
Residential	-	-	-	-	20494	9	-	-	38768	4794
Comm. and public services	-	-	-	-	867	-	500	346	26082	13209
Agriculture/forestry	-	-	-	-	-	-	-	-	1862	34
Fishing	-	-	-	-	-	-	-	-	207	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	495	498	-	-	-	-	-	-
in industry/transf./energy	-	-	493	456	-	-	-	-	-	-
of which: chem./petrochem.	-	-	25	1	-	-	-	-	-	-
in transport	-	-	-	3	-	-	-	-	-	-
in other	-	-	2	39	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Norway: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	131	-	-	-	-	-	-	4012	-	5035149
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	781	-	-	411	-	-	-	-	-	1200
Exports	-	-75	-	-	-	-	-	-	-	-	-4845998
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	..
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-5	-	-	14	-	-	-	-	-	-2165
DOMESTIC SUPPLY	-	832	-	-	425	-	-	-	4012	-	188186

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	78680	10808	-	85	479	441	3766	677	8	6983
From other sources	-	-	38	-	-	-	-	-	-	-
Imports	1798	-	-	-	-	1094	302	205	63	1505
Exports	-67412	-	-	-	-	-7733	-3398	-5	-95	-4447
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-54
Intl. aviation bunkers	-	-	-	-	-	-	-	-495	-	-
Stock changes	-87	-	-	-	-	-37	32	9	-	109
DOMESTIC SUPPLY	12979	10808	38	85	479	-6235	702	391	-24	4096
Transfers	-	-10808	3236	-	-	7752	-	-	-	-1

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1700	1210	510	..	40768	276	2195	19975	149252	21103
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	1961	39	442	493	1322	380	-	-	6112	-
Exports	-1429	-2896	-145	-5	-1400	-68	-42	-	-21276	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	61	-	-	..	-	-	-	-	-	-
DOMESTIC SUPPLY	2293	-1647	807	488	40690	588	2153	19975	134088	21103
Transfers	-1747	1569	-	-1	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Poland

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	13204	57181	-	60246	10101	2	-	78303	30535	-	165272
From other sources	-	398	-	-	-	-	-	-	-	-	-
Imports	2210	6089	-	289	125	41	-	-	-	-	566852
Exports	-2438	-6658	-	-212	-7355	-8	-	-	-	-	-33294
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	202	4530	-	67	45	-	-	-	-	-	-18084
DOMESTIC SUPPLY	13178	61540	-	60390	2916	35	-	78303	30535	-	680746
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	85	-194	-	-10	292	-	-	-	-	-	2480
TRANSFORMATION	13176	43748	-	59846	2468	-	-	25356	18198	-	106293
Electricity plants	-	-	-	2194	-	-	-	-	-	-	-
CHP plants	32	38925	-	57611	-	-	-	24895	18176	-	68953
Heat plants	47	4823	-	41	-	-	-	461	22	-	9482
Blast furnaces	283	-	-	-	2193	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	12814	-	-	-	83	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	192	-	-	-	-	-	27858
ENERGY IND. OWN USE	84	76	-	7	-	-	-	45145	-	-	48451
Fuel mining and extraction	-	38	-	7	-	-	-	120	-	-	16409
Oil refineries	-	36	-	-	-	-	-	-	-	-	28669
Elec., CHP and heat plants	-	2	-	-	-	-	-	1	-	-	17
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	84	-	-	-	-	-	-	45024	-	-	3356
Losses	-	-	-	-	-	-	-	-	-	-	1233
FINAL CONSUMPTION	3	17522	-	527	740	35	-	7802	12337	-	527249
INDUSTRY	3	4504	-	72	558	2	-	7802	12337	-	158673
Iron and steel	-	28	-	-	305	-	-	4845	11135	-	21620
Chemical and petrochemical	-	1943	-	-	123	-	-	664	-	-	13409
Non-ferrous metals	-	3	-	-	6	-	-	59	1202	-	8029
Non-metallic minerals	-	836	-	43	96	-	-	2229	-	-	48871
Transport equipment	-	19	-	-	-	-	-	-	-	-	4651
Machinery	-	59	-	-	4	-	-	5	-	-	9975
Mining and quarrying	-	16	-	-	1	-	-	-	-	-	1534
Food and tobacco	3	987	-	-	23	-	-	-	-	-	30655
Paper, pulp and print	-	423	-	-	-	-	-	-	-	-	8879
Wood and wood products	-	66	-	-	-	-	-	-	-	-	1725
Construction	-	19	-	23	-	2	-	-	-	-	1426
Textile and leather	-	15	-	5	-	-	-	-	-	-	1889
Non-specified	-	90	-	1	-	-	-	-	-	-	6010
TRANSPORT	-	-	-	-	-	-	-	-	-	-	17801
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	679
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	17122
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	12864	-	455	182	33	-	-	-	-	252695
Residential	-	10350	-	320	140	-	-	-	-	-	161276
Comm. and public services	-	1014	-	30	32	-	-	-	-	-	89969
Agriculture/forestry	-	1500	-	105	10	33	-	-	-	-	1450
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	154	-	-	-	-	-	-	-	-	98080
in industry/transf./energy	-	106	-	-	-	-	-	-	-	-	98080
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	98080
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	48	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Poland

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	1001	-	-	11	663	601	3947	1183	-	11558
From other sources	589	-	688	-	-	-	-	-	-	-
Imports	24573	-	138	50	-	2196	345	22	-	3722
Exports	-224	-	-	-	-	-259	-509	-535	-	-1086
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-129
Intl. aviation bunkers	-	-	-	-	-	-	-	-665	-	-
Stock changes	426	-	-	-	-	-12	-20	20	-	-126
DOMESTIC SUPPLY	26365	-	826	61	663	2526	3763	25	-	13939
Transfers	-	-	204	-	-	-11	-	-	-	-129
Statistical differences	14	-	-	-	-	40	-	-	-	-
TRANSFORMATION	26379	-	1030	61	83	38	-	-	-	37
Electricity plants	-	-	-	-	-	-	-	-	-	1
CHP plants	-	-	-	-	23	-	-	-	-	15
Heat plants	-	-	-	-	-	-	-	-	-	12
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	26379	-	1030	61	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	60	38	-	-	-	9
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	418	18	-	-	-	32
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	28
Oil refineries	-	-	-	-	418	18	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	4
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	162	2499	3763	25	-	13741
INDUSTRY	-	-	-	-	162	70	4	1	-	266
Iron and steel	-	-	-	-	-	1	-	-	-	2
Chemical and petrochemical	-	-	-	-	162	6	-	-	-	35
Non-ferrous metals	-	-	-	-	-	-	-	-	-	4
Non-metallic minerals	-	-	-	-	-	7	1	-	-	29
Transport equipment	-	-	-	-	-	3	-	1	-	16
Machinery	-	-	-	-	-	9	1	-	-	19
Mining and quarrying	-	-	-	-	-	2	-	-	-	63
Food and tobacco	-	-	-	-	-	24	1	-	-	33
Paper, pulp and print	-	-	-	-	-	2	-	-	-	11
Wood and wood products	-	-	-	-	-	3	-	-	-	10
Construction	-	-	-	-	-	2	1	-	-	29
Textile and leather	-	-	-	-	-	1	-	-	-	4
Non-specified	-	-	-	-	-	10	-	-	-	11
TRANSPORT	-	-	-	-	-	1726	3758	24	-	11347
Domestic aviation	-	-	-	-	-	-	-	24	-	-
Road	-	-	-	-	-	1726	3758	-	-	11262
Rail	-	-	-	-	-	-	-	-	-	82
Pipeline transport	-	-	-	-	-	-	-	-	-	1
Domestic navigation	-	-	-	-	-	-	-	-	-	2
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	600	1	-	-	2128
Residential	-	-	-	-	-	470	-	-	-	70
Comm. and public services	-	-	-	-	-	70	-	-	-	338
Agriculture/forestry	-	-	-	-	-	60	1	-	-	1720
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	103	-	-	-	-
in industry/transf./energy	-	-	-	-	-	103	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	103	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Poland

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3609	1810	-	3656	268577	1095	10930	34279	166635	292800
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	47	-	39	889	24305	304	-	-	14017	-
Exports	-2514	-536	-	-1686	-15709	-800	-	-	-12018	-
Intl. marine bunkers	-53	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-2	-	-1	-4	-	-9	-	-	-	-
DOMESTIC SUPPLY	1087	1274	38	2855	277173	590	10930	34279	168634	292800
Transfers	-6	-	-	-19	-	-	-	-	-	-
Statistical differences	-35	-	-3	-	-	-	-	-	-	-
TRANSFORMATION	416	343	-	238	74057	2	7247	4709	-	534
Electricity plants	-	-	-	-	19085	-	-	-	-	534
CHP plants	407	-	-	-	52539	2	7231	4325	-	-
Heat plants	9	-	-	-	2433	-	16	384	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	343	-	238	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	537	-	-	31	26	-	22	5	26300	27111
Fuel mining and extraction	-	-	-	-	26	-	-	2	5808	3588
Oil refineries	537	-	-	31	-	-	-	-	1713	317
Elec., CHP and heat plants	-	-	-	-	-	-	16	1	14632	8587
Pumped storage plants	-	-	-	-	-	-	-	-	744	-
Other energy ind. own use	-	-	-	-	-	-	6	2	3403	14619
Losses	-	-	-	-	-	-	-	-	9495	27800
FINAL CONSUMPTION	93	931	35	2567	203090	588	3661	29565	132839	237355
INDUSTRY	79	-	35	2	62482	-	604	28402	51210	28669
Iron and steel	-	-	2	-	1	-	-	-	6149	3520
Chemical and petrochemical	10	-	-	-	138	-	6	652	8303	4302
Non-ferrous metals	6	-	-	-	-	-	-	1	2145	1455
Non-metallic minerals	5	-	29	-	511	-	38	27522	5164	1071
Transport equipment	-	-	3	-	15	-	-	-	2712	1885
Machinery	-	-	1	1	105	-	-	3	4581	2504
Mining and quarrying	-	-	-	1	12	-	-	-	2704	2848
Food and tobacco	19	-	-	-	1383	-	407	-	6517	2651
Paper, pulp and print	33	-	-	-	30415	-	111	190	4266	2957
Wood and wood products	1	-	-	-	24779	-	42	-	2421	3330
Construction	4	-	-	-	10	-	-	-	860	347
Textile and leather	-	-	-	-	5	-	-	-	609	640
Non-specified	1	-	-	-	5108	-	-	34	4779	1159
TRANSPORT	-	-	-	-	-	588	-	-	3287	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	588	-	-	25	-
Rail	-	-	-	-	-	-	-	-	2958	-
Pipeline transport	-	-	-	-	-	-	-	-	304	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	14	-	-	-	140608	-	3057	1163	78342	208686
Residential	-	-	-	-	111435	-	-	-	28909	163000
Comm. and public services	-	-	-	-	7715	-	2700	1163	47800	44786
Agriculture/forestry	14	-	-	-	21458	-	357	-	1633	900
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	931	-	2565	-	-	-	-	-	-
in industry/transf./energy	-	931	-	2182	-	-	-	-	-	-
of which: chem./petrochem.	-	931	-	949	-	-	-	-	-	-
in transport	-	-	-	129	-	-	-	-	-	-
in other	-	-	-	254	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Poland: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	12380	52999	-	61161	9779	2	-	76941	30186	-	161600
From other sources	-	505	-	-	-	-	-	-	-	-	-
Imports	3630	9715	-	311	211	41	-	-	-	-	606014
Exports	-2753	-4312	-	-256	-6863	-6	-	-	-	-	-47232
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	117	2198	-	-49	117	-	-	-	-	-	-3664
DOMESTIC SUPPLY	13374	61105	-	61167	3244	37	-	76941	30186	-	716718

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	996	-	-	1	495	545	3913	1121	-	11940
From other sources	582	-	791	-	-	-	-	-	-	-
Imports	24649	-	574	53	-	2487	478	2	-	5004
Exports	-219	-	-	-	-	-448	-220	-265	-	-213
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-191
Intl. aviation bunkers	-	-	-	-	-	-	-	-827	-	-
Stock changes	-279	-	-	-	-	2	-36	-1	-	-258
DOMESTIC SUPPLY	25729	-	1365	54	495	2586	4135	30	-	16282
Transfers	-	-	120	-	-	-2	-	-	-	-33

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3462	1935	-	3147	239960	1090	11816	41416	170339	294757
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	37	-	33	815	16822	412	-	-	13271	-
Exports	-2472	-480	-	-1008	-17592	-763	-	-	-10984	-
Intl. marine bunkers	-53	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-17	-	-1	-10	-	-6	-	-	-	-
DOMESTIC SUPPLY	957	1455	32	2944	239190	733	11816	41416	172626	294757
Transfers	-	-	-	-33	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Portugal

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	4911	-	-	13	-	-	-	-	-	198228
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-110	-	-	-1	-	-	-	-	-	1793
DOMESTIC SUPPLY	-	4801	-	-	12	-	-	-	-	-	200021
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-2	-	-	-	-	-	-	-	-	1197
TRANSFORMATION	-	4793	-	-	-	-	-	-	-	-	120858
Electricity plants	-	4793	-	-	-	-	-	-	-	-	57049
CHP plants	-	-	-	-	-	-	-	-	-	-	53589
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	10220
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	4656
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	4656
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	380
FINAL CONSUMPTION	-	6	-	-	12	-	-	-	-	-	75324
INDUSTRY	-	6	-	-	12	-	-	-	-	-	51860
Iron and steel	-	6	-	-	4	-	-	-	-	-	2240
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	6861
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	709
Non-metallic minerals	-	-	-	-	8	-	-	-	-	-	19384
Transport equipment	-	-	-	-	-	-	-	-	-	-	760
Machinery	-	-	-	-	-	-	-	-	-	-	2065
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	128
Food and tobacco	-	-	-	-	-	-	-	-	-	-	6867
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	5279
Wood and wood products	-	-	-	-	-	-	-	-	-	-	363
Construction	-	-	-	-	-	-	-	-	-	-	701
Textile and leather	-	-	-	-	-	-	-	-	-	-	6224
Non-specified	-	-	-	-	-	-	-	-	-	-	279
TRANSPORT	-	-	-	-	-	-	-	-	-	-	890
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	890
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	22574
Residential	-	-	-	-	-	-	-	-	-	-	11699
Comm. and public services	-	-	-	-	-	-	-	-	-	-	10680
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	170
Fishing	-	-	-	-	-	-	-	-	-	-	25
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Portugal

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	8	238	2628	1254	-	5595
From other sources	64	-	197	7	-	-	-	-	-	-
Imports	13731	-	1105	53	-	685	162	17	1	957
Exports	-	-	-174	-	-	-66	-1742	-1	-	-2076
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-97
Intl. aviation bunkers	-	-	-	-	-	-	-	-1119	-	-
Stock changes	177	-	-120	-6	-	12	-18	-1	-	102
DOMESTIC SUPPLY	13972	-	1008	54	8	869	1030	150	1	4481
Transfers	-	-	65	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-12	-	-	-	6
TRANSFORMATION	13972	-	1073	54	8	-	-	-	-	17
Electricity plants	-	-	-	-	-	-	-	-	-	17
CHP plants	-	-	-	-	8	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	13972	-	1073	54	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	857	1030	150	1	4470
INDUSTRY	-	-	-	-	-	59	-	-	-	156
Iron and steel	-	-	-	-	-	1	-	-	-	2
Chemical and petrochemical	-	-	-	-	-	2	-	-	-	2
Non-ferrous metals	-	-	-	-	-	2	-	-	-	-
Non-metallic minerals	-	-	-	-	-	5	-	-	-	19
Transport equipment	-	-	-	-	-	2	-	-	-	4
Machinery	-	-	-	-	-	15	-	-	-	2
Mining and quarrying	-	-	-	-	-	-	-	-	-	27
Food and tobacco	-	-	-	-	-	15	-	-	-	24
Paper, pulp and print	-	-	-	-	-	2	-	-	-	4
Wood and wood products	-	-	-	-	-	1	-	-	-	5
Construction	-	-	-	-	-	8	-	-	-	63
Textile and leather	-	-	-	-	-	4	-	-	-	3
Non-specified	-	-	-	-	-	2	-	-	-	1
TRANSPORT	-	-	-	-	-	37	1030	136	-	3868
Domestic aviation	-	-	-	-	-	-	-	136	-	-
Road	-	-	-	-	-	37	1030	-	-	3815
Rail	-	-	-	-	-	-	-	-	-	9
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	44
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	414	-	14	1	446
Residential	-	-	-	-	-	341	-	-	-	52
Comm. and public services	-	-	-	-	-	69	-	-	-	57
Agriculture/forestry	-	-	-	-	-	4	-	-	1	254
Fishing	-	-	-	-	-	-	-	-	-	71
Non-specified	-	-	-	-	-	-	-	14	-	12
NON-ENERGY USE	-	-	-	-	-	347	-	-	-	-
in industry/transf./energy	-	-	-	-	-	347	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	347	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Portugal

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2538	1154	-	1684	109052	337	3364	11641	60280	18846
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	240	83	366	173	4196	41	-	1407	4616	-
Exports	-1711	-548	-	-375	-11882	-59	-	-	-9701	-
Intl. marine bunkers	-554	-	-	-1	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	61	-23	-30	1	-	7	-	-	-	-
DOMESTIC SUPPLY	574	666	336	1482	101366	326	3364	13048	55195	18846
Transfers	-	-	-	-65	-	-	-	-	-	-
Statistical differences	27	-1	-2	-10	-	-3	-	-	-	-
TRANSFORMATION	246	197	-	-	26080	1	2996	9260	-	-
Electricity plants	173	-	-	-	11942	1	2815	8680	-	-
CHP plants	73	-	-	-	13756	-	181	580	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	197	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	382	-	-	-	-	-
ENERGY IND. OWN USE	123	-	-	1118	-	-	-	-	3961	9999
Fuel mining and extraction	-	-	-	-	-	-	-	-	3	-
Oil refineries	123	-	-	1118	-	-	-	-	771	9999
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	1469	-
Pumped storage plants	-	-	-	-	-	-	-	-	1520	-
Other energy ind. own use	-	-	-	-	-	-	-	-	198	-
Losses	-	-	-	-	-	-	-	-	4881	-
FINAL CONSUMPTION	232	468	334	289	75286	322	368	3788	46353	8847
INDUSTRY	135	-	334	-	42049	8	368	3788	15083	7855
Iron and steel	-	-	-	-	-	-	-	-	1501	-
Chemical and petrochemical	11	-	-	-	44	-	-	4	2142	923
Non-ferrous metals	-	-	-	-	-	-	-	-	106	-
Non-metallic minerals	1	-	334	-	2992	1	-	3760	1725	341
Transport equipment	-	-	-	-	-	-	-	-	429	-
Machinery	-	-	-	-	22	-	-	-	1039	29
Mining and quarrying	1	-	-	-	-	2	-	-	304	19
Food and tobacco	38	-	-	-	1141	1	58	-	2005	1267
Paper, pulp and print	63	-	-	-	35859	-	310	-	2825	3360
Wood and wood products	-	-	-	-	1794	-	-	-	685	50
Construction	17	-	-	-	4	4	-	-	594	-
Textile and leather	4	-	-	-	171	-	-	-	1240	1440
Non-specified	-	-	-	-	22	-	-	24	488	426
TRANSPORT	65	-	-	-	-	309	-	-	385	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	307	-	-	1	-
Rail	-	-	-	-	-	-	-	-	378	-
Pipeline transport	-	-	-	-	-	-	-	-	6	-
Domestic navigation	65	-	-	-	-	2	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	32	-	-	-	33238	5	-	-	30885	992
Residential	-	-	-	-	31998	-	-	-	13090	36
Comm. and public services	30	-	-	-	1180	1	-	-	16964	956
Agriculture/forestry	1	-	-	-	60	2	-	-	780	-
Fishing	1	-	-	-	-	1	-	-	51	-
Non-specified	-	-	-	-	-	1	-	-	-	-
NON-ENERGY USE	-	468	-	289	-	-	-	-	-	-
in industry/transf./energy	-	468	-	256	-	-	-	-	-	-
of which: chem./petrochem.	-	468	-	29	-	-	-	-	-	-
in transport	-	-	-	30	-	-	-	-	-	-
in other	-	-	-	3	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Portugal: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	5666	-	-	11	-	-	-	-	-	262175
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-216	-	-	1	-	-	-	-	-	-1015
DOMESTIC SUPPLY	-	5450	-	-	12	-	-	-	-	-	261160

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	5	228	2721	1383	-	5676
From other sources	69	-	233	-	-	-	-	-	-	-
Imports	14298	-	1268	53	-	586	146	68	1	897
Exports	-	-	-174	-	-	-31	-1871	-4	-	-2082
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-114
Intl. aviation bunkers	-	-	-	-	-	-	-	-1249	-	-
Stock changes	-52	-	-34	5	-	-	48	-31	-	7
DOMESTIC SUPPLY	14315	-	1293	58	5	783	1044	167	1	4384
Transfers	-	-	65	-	-	-	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2651	1308	-	1759	107879	356	3386	12890	59335	18810
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	262	186	400	197	3970	9	-	1201	5506	-
Exports	-1608	-722	-	-425	-11352	-60	-	-	-8190	-
Intl. marine bunkers	-718	-	-	-1	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	16	12	-10	10	-	16	-	-	-	-
DOMESTIC SUPPLY	603	784	390	1540	100497	321	3386	14091	56651	18810
Transfers	-	-	-	-65	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Slovak Republic

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	1847	1694	-	-	13679	25480	-	3562
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	2686	871	-	494	153	40	-	-	-	-	168251
Exports	-	-	-	-	-72	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	32	77	-	79	-5	-1	-	-	-	-	9398
DOMESTIC SUPPLY	2718	948	-	2420	1770	39	-	13679	25480	-	181211
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	2718	509	-	2267	1631	15	-	1077	1719	-	37723
Electricity plants	-	-	-	-	-	-	-	-	-	-	3325
CHP plants	-	509	-	2261	-	15	-	1077	1684	-	15630
Heat plants	-	-	-	6	-	-	-	-	35	-	11047
Blast furnaces	586	-	-	-	1631	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	2132	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	7721
ENERGY IND. OWN USE	-	-	-	1	-	-	-	3997	12531	-	4812
Fuel mining and extraction	-	-	-	1	-	-	-	-	-	-	407
Oil refineries	-	-	-	-	-	-	-	-	-	-	4102
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	29
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	3997	12531	-	274
Losses	-	-	-	2	-	-	-	35	1024	-	3673
FINAL CONSUMPTION	-	439	-	150	139	24	-	8570	10206	-	135003
INDUSTRY	-	339	-	43	90	-	-	8570	10206	-	36863
Iron and steel	-	293	-	-	50	-	-	8570	10206	-	6665
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	5210
Non-ferrous metals	-	-	-	-	5	-	-	-	-	-	1485
Non-metallic minerals	-	46	-	6	33	-	-	-	-	-	6491
Transport equipment	-	-	-	5	-	-	-	-	-	-	3205
Machinery	-	-	-	-	-	-	-	-	-	-	4075
Mining and quarrying	-	-	-	2	-	-	-	-	-	-	77
Food and tobacco	-	-	-	30	2	-	-	-	-	-	3523
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	2131
Wood and wood products	-	-	-	-	-	-	-	-	-	-	234
Construction	-	-	-	-	-	-	-	-	-	-	832
Textile and leather	-	-	-	-	-	-	-	-	-	-	670
Non-specified	-	-	-	-	-	-	-	-	-	-	2265
TRANSPORT	-	-	-	-	-	-	-	-	-	-	6591
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	6261
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	330
OTHER	-	73	-	107	2	24	-	-	-	-	75621
Residential	-	23	-	48	2	3	-	-	-	-	49681
Comm. and public services	-	50	-	58	-	21	-	-	-	-	24788
Agriculture/forestry	-	-	-	1	-	-	-	-	-	-	1152
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	27	-	-	47	-	-	-	-	-	15928
in industry/transf./energy	-	27	-	-	47	-	-	-	-	-	15928
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	15928
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Slovak Republic

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	8	2	-	-	549	176	1485	99	-	2852
From other sources	141	-	173	215	-	-	-	-	-	-
Imports	5792	-	-	5	-	49	258	3	-	834
Exports	-9	-	-	-	-	-69	-1138	-60	-	-2190
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-48	-	-
Stock changes	-53	-	-	-	-	2	-23	6	-	32
DOMESTIC SUPPLY	5879	2	173	220	549	158	582	-	-	1528
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	5879	2	173	220	5	43	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	5	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	5879	2	173	220	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	43	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	466	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	466	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	78	115	582	-	-	1528
INDUSTRY	-	-	-	-	78	3	1	-	-	10
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	78	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	2
Transport equipment	-	-	-	-	-	-	1	-	-	1
Machinery	-	-	-	-	-	1	-	-	-	1
Mining and quarrying	-	-	-	-	-	1	-	-	-	3
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	1	-	-	-	3
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	33	581	-	-	1442
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	581	-	-	1442
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	33	-	-	-	-
OTHER	-	-	-	-	-	15	-	-	-	64
Residential	-	-	-	-	-	8	-	-	-	-
Comm. and public services	-	-	-	-	-	6	-	-	-	4
Agriculture/forestry	-	-	-	-	-	1	-	-	-	60
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	64	-	-	-	12
in industry/transf./energy	-	-	-	-	-	64	-	-	-	12
of which: chem./petrochem.	-	-	-	-	-	64	-	-	-	12
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Slovak Republic

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	470	384	53	146	34943	227	6357	9113	27064	37516
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	142	5	126	337	16	108	-	115	13249	83
Exports	-339	-34	-1	-258	-448	-167	-	-	-10598	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-35	13	-1	-20	62	-	-	1	-	-
DOMESTIC SUPPLY	238	368	177	205	34573	168	6357	9229	29715	37599
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	237	130	-	-	18322	-	4991	1510	16	-
Electricity plants	-	-	-	-	113	-	1080	-	-	-
CHP plants	236	-	-	-	15571	-	3911	1363	-	-
Heat plants	1	-	-	-	2638	-	-	147	16	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	130	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	53	-	12	-	14	-	3380	4680
Fuel mining and extraction	-	-	-	-	-	-	-	-	89	55
Oil refineries	-	-	53	-	-	-	-	-	608	839
Elec., CHP and heat plants	-	-	-	-	12	-	-	-	2067	2122
Pumped storage plants	-	-	-	-	-	-	-	-	334	-
Other energy ind. own use	-	-	-	-	-	-	14	-	282	1664
Losses	-	-	-	-	-	-	-	-	1332	4887
FINAL CONSUMPTION	1	238	124	205	16239	168	1352	7719	24987	28032
INDUSTRY	1	-	57	-	14310	-	4	7534	12085	5340
Iron and steel	-	-	-	-	146	-	-	-	2303	-
Chemical and petrochemical	-	-	-	-	-	-	-	1293	1264	2655
Non-ferrous metals	-	-	-	-	-	-	-	-	2586	-
Non-metallic minerals	-	-	57	-	4	-	-	6212	759	334
Transport equipment	-	-	-	-	6	-	-	-	1072	129
Machinery	-	-	-	-	188	-	-	29	1449	-
Mining and quarrying	-	-	-	-	2	-	-	-	44	-
Food and tobacco	-	-	-	-	5	-	-	-	536	219
Paper, pulp and print	1	-	-	-	12747	-	4	-	740	1855
Wood and wood products	-	-	-	-	878	-	-	-	154	51
Construction	-	-	-	-	33	-	-	-	71	38
Textile and leather	-	-	-	-	3	-	-	-	125	59
Non-specified	-	-	-	-	298	-	-	-	982	-
TRANSPORT	-	-	-	-	-	163	-	-	607	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	163	-	-	25	-
Rail	-	-	-	-	-	-	-	-	511	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	71	-
OTHER	-	-	-	-	1929	5	1348	185	12295	22692
Residential	-	-	-	-	1361	-	-	-	5097	18775
Comm. and public services	-	-	-	-	110	-	413	150	6946	3888
Agriculture/forestry	-	-	-	-	458	5	935	35	252	29
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	238	67	205	-	-	-	-	-	-
in industry/transf./energy	-	238	67	155	-	-	-	-	-	-
of which: chem./petrochem.	-	238	-	59	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	50	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Slovak Republic: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	1836	1638	-	-	12688	26879	-	3997
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	2732	1076	-	490	245	42	-	-	-	-	193258
Exports	-	-	-	-	-60	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-12	8	-	-45	-31	-	-	-	-	-	-16177
DOMESTIC SUPPLY	2720	1084	-	2281	1792	42	-	12688	26879	-	181078

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	6	2	-	-	494	188	1418	77	-	2855
From other sources	144	-	203	301	-	-	-	-	-	-
Imports	5587	-	-	5	-	65	242	3	-	929
Exports	-55	-	-	-	-	-70	-1112	-40	-	-2215
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-36	-	-
Stock changes	20	-	-	-	-	1	37	-4	-	9
DOMESTIC SUPPLY	5702	2	203	306	494	184	585	-	-	1578
Transfers	-	-	-	-	-	-	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	395	481	65	128	35000	228	6300	9000	26649	32503
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	142	44	138	316	..	103	-	..	15563	84
Exports	-301	-66	-1	-196	..	-146	-	..	-12533	-
Intl. marine bunkers	-	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	26	-1	1	10	..	-4	-	..	-	-
DOMESTIC SUPPLY	262	458	203	258	35000	181	6300	9000	29679	32587
Transfers	-	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Slovenia

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	3349	-	-	-	-	-	-	199
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	13	361	11	28	-	-	-	-	-	32600
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-2	11	16	-1	-	-	-	-	-	-
DOMESTIC SUPPLY	-	11	372	3376	27	-	-	-	-	-	32799
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	5	334	3368	-	-	-	-	-	-	4685
Electricity plants	-	-	-	-	-	-	-	-	-	-	68
CHP plants	-	5	328	3368	-	-	-	-	-	-	3570
Heat plants	-	-	6	-	-	-	-	-	-	-	1047
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	23
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	3
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	20
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	6	38	8	27	-	-	-	-	-	28091
INDUSTRY	-	2	38	8	22	-	-	-	-	-	19328
Iron and steel	-	-	-	-	8	-	-	-	-	-	3470
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	2170
Non-ferrous metals	-	2	-	-	-	-	-	-	-	-	1607
Non-metallic minerals	-	-	-	-	14	-	-	-	-	-	3433
Transport equipment	-	-	-	-	-	-	-	-	-	-	511
Machinery	-	-	-	-	-	-	-	-	-	-	1626
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	156
Food and tobacco	-	-	-	-	-	-	-	-	-	-	1222
Paper, pulp and print	-	-	38	8	-	-	-	-	-	-	3540
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	188
Textile and leather	-	-	-	-	-	-	-	-	-	-	390
Non-specified	-	-	-	-	-	-	-	-	-	-	1015
TRANSPORT	-	-	-	-	-	-	-	-	-	-	131
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	131
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	8378
Residential	-	-	-	-	-	-	-	-	-	-	5348
Comm. and public services	-	-	-	-	-	-	-	-	-	-	3030
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	4	-	-	5	-	-	-	-	-	254
in industry/transf./energy	-	4	-	-	5	-	-	-	-	-	254
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	254
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Slovenia

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	80	597	231	-	2997
Exports	-	-	-	-	-	-	-168	-180	-	-1349
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-21	-	-
Stock changes	-	-	-	-	-	-	-11	-29	-	37
DOMESTIC SUPPLY	-	-	-	-	-	80	418	1	-	1685
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	6
Electricity plants	-	-	-	-	-	-	-	-	-	1
CHP plants	-	-	-	-	-	-	-	-	-	1
Heat plants	-	-	-	-	-	-	-	-	-	4
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	80	418	1	-	1679
INDUSTRY	-	-	-	-	-	20	-	-	-	46
Iron and steel	-	-	-	-	-	1	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	1	-	-	-	4
Non-ferrous metals	-	-	-	-	-	6	-	-	-	-
Non-metallic minerals	-	-	-	-	-	2	-	-	-	2
Transport equipment	-	-	-	-	-	1	-	-	-	1
Machinery	-	-	-	-	-	4	-	-	-	7
Mining and quarrying	-	-	-	-	-	-	-	-	-	2
Food and tobacco	-	-	-	-	-	2	-	-	-	7
Paper, pulp and print	-	-	-	-	-	1	-	-	-	1
Wood and wood products	-	-	-	-	-	-	-	-	-	1
Construction	-	-	-	-	-	1	-	-	-	19
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	1	-	-	-	1
TRANSPORT	-	-	-	-	-	14	414	1	-	1373
Domestic aviation	-	-	-	-	-	-	-	1	-	-
Road	-	-	-	-	-	14	414	-	-	1363
Rail	-	-	-	-	-	-	-	-	-	10
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	44	4	-	-	260
Residential	-	-	-	-	-	29	-	-	-	110
Comm. and public services	-	-	-	-	-	-	-	-	-	85
Agriculture/forestry	-	-	-	-	-	-	4	-	-	65
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	15	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	2	-	-	-	-
in industry/transf./energy	-	-	-	-	-	2	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	2	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	25475	-	1264	1876	16500	9003
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	436	-	87	114	-	23	-	-	8359	-
Exports	-311	-	-17	-20	-	-	-	-	-9535	-
Intl. marine bunkers	-124	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-3	-1	-	-	-	-	-	-
DOMESTIC SUPPLY	1	-	67	93	25475	23	1264	1876	15324	9003
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-1	-
TRANSFORMATION	-	-	-	-	2181	1	1196	357	-	-
Electricity plants	-	-	-	-	-	-	36	-	-	-
CHP plants	-	-	-	-	1744	1	1160	357	-	-
Heat plants	-	-	-	-	437	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	1422	449
Fuel mining and extraction	-	-	-	-	-	-	-	-	57	73
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	954	364
Pumped storage plants	-	-	-	-	-	-	-	-	373	-
Other energy ind. own use	-	-	-	-	-	-	-	-	38	12
Losses	-	-	-	-	-	-	-	-	876	1245
FINAL CONSUMPTION	1	-	67	93	23294	22	68	1519	13025	7309
INDUSTRY	1	-	30	-	3053	-	15	1519	6234	2129
Iron and steel	-	-	-	-	-	-	-	-	787	48
Chemical and petrochemical	-	-	-	-	931	-	-	63	677	1229
Non-ferrous metals	-	-	-	-	-	-	-	-	1351	39
Non-metallic minerals	-	-	30	-	19	-	-	1456	347	1
Transport equipment	-	-	-	-	3	-	-	-	214	10
Machinery	-	-	-	-	69	-	-	-	984	301
Mining and quarrying	-	-	-	-	-	-	-	-	131	-
Food and tobacco	-	-	-	-	44	-	-	-	286	145
Paper, pulp and print	-	-	-	-	421	-	-	-	682	45
Wood and wood products	-	-	-	-	1405	-	-	-	163	12
Construction	-	-	-	-	6	-	-	-	45	6
Textile and leather	1	-	-	-	34	-	15	-	102	48
Non-specified	-	-	-	-	121	-	-	-	465	245
TRANSPORT	-	-	-	-	-	22	-	-	166	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	22	-	-	-	-
Rail	-	-	-	-	-	-	-	-	160	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	6	-
OTHER	-	-	-	-	20241	-	53	-	6625	5180
Residential	-	-	-	-	20241	-	-	-	3260	3435
Comm. and public services	-	-	-	-	-	-	53	-	3365	1745
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	37	93	-	-	-	-	-	-
in industry/transf./energy	-	-	37	93	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	2	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Slovenia: provisional energy supply for 2017

SUPPLY	Coal (kt)					Coal gases (TJ)			Peat (kt)	Natural gas (TJ)	
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas			Recovered gases ¹
Production	-	-	-	3356	-	-	-	-	-	-	318
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	11	372	-	30	-	-	-	-	-	34190
Exports	-	-	-	-	-	-	-	-	-	-	-159
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	31	-17	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	11	403	3339	30	-	-	-	-	-	34349

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	88	636	239	-	3036
Exports	-	-	-	-	-	-	-219	-216	-	-1366
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-24	-	-
Stock changes	-	-	-	-	-	-2	-11	2	-	-68
DOMESTIC SUPPLY	-	-	-	-	-	86	406	1	-	1602
Transfers	-	-	-	-	-	-	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	..	25222	-	1077	1588	16257	8970
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	411	-	80	130	-	47	-	-	9133	-
Exports	-253	-	-7	-23	-	-	-	-	-9648	-
Intl. marine bunkers	-157	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-	-	-	-2	-	-1	-	-	-	-
DOMESTIC SUPPLY	1	-	73	105	25222	46	1077	1588	15742	8970
Transfers	-	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Spain

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	1070	730	-	2038	-	-	12463	22251	-	2231
From other sources	-	-	-	-	-	-	14	-	-	-	-
Imports	1767	12063	-	-	186	-	-	-	-	-	1311571
Exports	-	-453	-	-	-137	-	-	-	-	-	-161380
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	95	3270	650	-	-105	-	-	-	-	-	12427
DOMESTIC SUPPLY	1862	15950	1380	-	1982	-	14	12463	22251	-	1164849
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	194	552	-27	-	-142	-	-	-	-	-	-791
TRANSFORMATION	2056	16027	1353	-	1205	-	-	1105	8924	-	376162
Electricity plants	-	15159	1353	-	-	-	-	1105	8924	-	233791
CHP plants	-	49	-	-	-	-	-	-	-	-	142371
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	819	-	-	1205	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	2056	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	27	-	-	6257	-	-	137091
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	45
Oil refineries	-	-	-	-	-	-	-	-	-	-	132801
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	27	-	-	6257	-	-	4245
Losses	-	-	-	-	-	-	-	2301	6270	-	4620
FINAL CONSUMPTION	-	475	-	-	608	-	14	2800	7057	-	646185
INDUSTRY	-	310	-	-	538	-	-	2800	7057	-	303818
Iron and steel	-	60	-	-	484	-	-	2800	7057	-	29667
Chemical and petrochemical	-	223	-	-	10	-	-	-	-	-	75213
Non-ferrous metals	-	-	-	-	19	-	-	-	-	-	12473
Non-metallic minerals	-	15	-	-	-	-	-	-	-	-	52279
Transport equipment	-	-	-	-	-	-	-	-	-	-	2879
Machinery	-	-	-	-	-	-	-	-	-	-	19750
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	6164
Food and tobacco	-	12	-	-	25	-	-	-	-	-	40145
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	23434
Wood and wood products	-	-	-	-	-	-	-	-	-	-	4887
Construction	-	-	-	-	-	-	-	-	-	-	18366
Textile and leather	-	-	-	-	-	-	-	-	-	-	8773
Non-specified	-	-	-	-	-	-	-	-	-	-	9788
TRANSPORT	-	-	-	-	-	-	-	-	-	-	16050
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	14825
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	1225
OTHER	-	165	-	-	10	-	14	-	-	-	305613
Residential	-	125	-	-	-	-	-	-	-	-	161550
Comm. and public services	-	-	-	-	-	-	14	-	-	-	139860
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	3891
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	40	-	-	10	-	-	-	-	-	312
NON-ENERGY USE	-	-	-	-	60	-	-	-	-	-	20704
in industry/transf./energy	-	-	-	-	60	-	-	-	-	-	20704
of which: chem./petrochem.	-	-	-	-	60	-	-	-	-	-	20704
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Spain

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	141	-	-	-	2366	1541	9555	214	8673	26644
From other sources	-	-	80	-	-	-	-	-	-	-
Imports	64171	-	2996	5	-	1443	160	2191	-	4788
Exports	-	-	-3423	-	-	-462	-4442	-619	-	-5377
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1560
Intl. aviation bunkers	-	-	-	-	-	-	-	-3984	-	-
Stock changes	676	-	-193	-	-	40	-158	156	-14	276
DOMESTIC SUPPLY	64988	-	-540	5	2366	2562	5115	-2042	8659	24771
Transfers	-	-	1243	-	1767	-123	-589	3937	-8659	2731
Statistical differences	-	-	-	-	-	70	19	19	-	159
TRANSFORMATION	64988	-	703	5	91	1	-	-	-	746
Electricity plants	-	-	-	-	71	-	-	-	-	732
CHP plants	-	-	-	-	20	1	-	-	-	14
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	64988	-	703	5	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	4042	-	-	-	-	19
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	19
Oil refineries	-	-	-	-	4042	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	2508	4545	1914	-	26896
INDUSTRY	-	-	-	-	-	157	-	-	-	1064
Iron and steel	-	-	-	-	-	15	-	-	-	17
Chemical and petrochemical	-	-	-	-	-	13	-	-	-	41
Non-ferrous metals	-	-	-	-	-	8	-	-	-	15
Non-metallic minerals	-	-	-	-	-	38	-	-	-	107
Transport equipment	-	-	-	-	-	8	-	-	-	22
Machinery	-	-	-	-	-	7	-	-	-	60
Mining and quarrying	-	-	-	-	-	2	-	-	-	148
Food and tobacco	-	-	-	-	-	33	-	-	-	221
Paper, pulp and print	-	-	-	-	-	14	-	-	-	39
Wood and wood products	-	-	-	-	-	1	-	-	-	13
Construction	-	-	-	-	-	13	-	-	-	324
Textile and leather	-	-	-	-	-	5	-	-	-	26
Non-specified	-	-	-	-	-	-	-	-	-	31
TRANSPORT	-	-	-	-	-	47	4506	1889	-	21403
Domestic aviation	-	-	-	-	-	-	-	1889	-	-
Road	-	-	-	-	-	47	4505	-	-	20841
Rail	-	-	-	-	-	-	-	-	-	78
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	392
Non-specified	-	-	-	-	-	-	1	-	-	92
OTHER	-	-	-	-	-	1243	39	25	-	4429
Residential	-	-	-	-	-	983	-	-	-	1616
Comm. and public services	-	-	-	-	-	213	14	-	-	970
Agriculture/forestry	-	-	-	-	-	47	14	-	-	1619
Fishing	-	-	-	-	-	-	11	-	-	222
Non-specified	-	-	-	-	-	-	-	25	-	2
NON-ENERGY USE	-	-	-	-	-	1061	-	-	-	-
in industry/transf./energy	-	-	-	-	-	1061	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	1061	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Spain

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	5109	1194	3782	5815	222046	1620	10264	19698	274779	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	6144	1034	2132	405	-	844	-	-	21845	-
Exports	-3023	-365	-3028	-4387	-	-1306	-	-	-14178	-
Intl. marine bunkers	-6136	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-117	25	-463	-22	-	161	-	-	-	-
DOMESTIC SUPPLY	1977	1888	2423	1811	222046	1319	10264	19698	282446	-
Transfers	618	-580	239	-584	-	-	-	-	-	-
Statistical differences	6	1	235	775	-	1	-	-	-658	-
TRANSFORMATION	1868	80	957	-	54240	-	8094	19226	-	-
Electricity plants	1426	-	956	-	43018	-	7041	16276	-	-
CHP plants	442	-	1	-	6823	-	1053	2950	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	80	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	4399	-	-	-	-	-
ENERGY IND. OWN USE	110	-	160	52	-	-	6	-	22553	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	589	-
Oil refineries	110	-	160	52	-	-	-	-	3666	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	10428	-
Pumped storage plants	-	-	-	-	-	-	-	-	4819	-
Other energy ind. own use	-	-	-	-	-	-	6	-	3051	-
Losses	-	-	-	-	-	-	-	-	26720	-
FINAL CONSUMPTION	623	1229	1780	1950	167806	1320	2164	472	232515	-
INDUSTRY	330	-	1633	-	55766	14	1634	-	77899	-
Iron and steel	40	-	-	-	1	-	-	-	13499	-
Chemical and petrochemical	45	-	-	-	208	-	22	-	9761	-
Non-ferrous metals	34	-	-	-	1	-	-	-	9333	-
Non-metallic minerals	14	-	1633	-	8589	-	131	-	5924	-
Transport equipment	2	-	-	-	5	-	-	-	4208	-
Machinery	45	-	-	-	16	-	-	-	4768	-
Mining and quarrying	1	-	-	-	-	2	-	-	1765	-
Food and tobacco	74	-	-	-	8254	2	307	-	11128	-
Paper, pulp and print	27	-	-	-	22402	-	1078	-	5803	-
Wood and wood products	9	-	-	-	13050	-	-	-	1233	-
Construction	35	-	-	-	599	10	-	-	2027	-
Textile and leather	2	-	-	-	117	-	-	-	1662	-
Non-specified	2	-	-	-	2524	-	96	-	6788	-
TRANSPORT	233	-	-	-	-	1295	-	-	5389	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	1289	-	-	274	-
Rail	-	-	-	-	-	-	-	-	2600	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	233	-	-	-	-	1	-	-	-	-
Non-specified	-	-	-	-	-	5	-	-	2515	-
OTHER	60	-	-	-	112040	11	530	472	149227	-
Residential	21	-	-	-	105568	1	-	-	69648	-
Comm. and public services	22	-	-	-	3638	5	456	472	71901	-
Agriculture/forestry	6	-	-	-	2834	-	39	-	5984	-
Fishing	-	-	-	-	-	5	-	-	-	-
Non-specified	11	-	-	-	-	-	35	-	1694	-
NON-ENERGY USE	-	1229	147	1950	-	-	-	-	-	-
in industry/transf./energy	-	1229	147	1736	-	-	-	-	-	-
of which: chem./petrochem.	-	1229	14	579	-	-	-	-	-	-
in transport	-	-	-	196	-	-	-	-	-	-
in other	-	-	-	18	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Spain: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	944	1833	-	2098	-	-	10918	19398	-	1438
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	1767	17410	-	-	261	-	-	-	-	-	1401449
Exports	-	-264	-	-	-132	-	-	-	-	-	-116622
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-21	572	314	-	77	-	-	-	-	-	-17503
DOMESTIC SUPPLY	1746	18662	2147	-	2304	-	-	10918	19398	-	1268762

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	118	-	-	-	2346	1401	9102	189	9300	27143
From other sources	-	-	75	-	-	-	-	-	-	-
Imports	65900	-	3239	-	-	1285	432	2241	-	4889
Exports	-	-	-3972	-	-	-545	-4482	-607	-	-6523
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1420
Intl. aviation bunkers	-	-	-	-	-	-	-	-4294	-	-
Stock changes	-40	-	164	-	-	90	108	271	28	508
DOMESTIC SUPPLY	65978	-	-494	-	2346	2231	5160	-2200	9328	24597
Transfers	-	-	1281	-	1734	37	-529	4329	-9328	3758

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	5533	1368	3823	5563	222848	2078	9174	21326	274775	-
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	6749	2151	1198	554	-	994	-	-	23759	-
Exports	-3644	-565	-2629	-4537	-	-1701	-	-	-14588	-
Intl. marine bunkers	-5811	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-99	-46	256	15	-	145	-	-	-	-
DOMESTIC SUPPLY	2728	2908	2648	1595	222848	1516	9174	21326	283946	-
Transfers	-116	-1413	-197	444	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Sweden

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	1171	-	-	9138	14742	424	-
From other sources	-	-	-	-	-	-	322	-	-	-	-
Imports	2047	1053	-	-	103	-	-	-	-	57	38064
Exports	-	-	-	-	-28	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-505	78	-	-	16	-	-	-	-	-	-
DOMESTIC SUPPLY	1542	1131	-	-	1262	-	322	9138	14742	481	38064
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-11	-70	-	-	-18	-	-	126	-312	-	2
TRANSFORMATION	1531	566	-	-	940	-	3	617	8034	468	12085
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	184	-	-	-	-	-	471	7559	388	11451
Heat plants	-	-	-	-	-	-	3	146	475	80	313
Blast furnaces	-	382 e	-	-	940 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	321
Coke/pat.fuel/BKB/PB plants	1531	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	3873	691	-	284
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	284
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	3873	691	-	-
Losses	-	-	-	-	-	-	76	542	1882	-	-
FINAL CONSUMPTION	-	495	-	-	304	-	243	4232	3823	13	25697
INDUSTRY	-	495	-	-	283	-	18	4232	3823	13	13481
Iron and steel	-	76 e	-	-	263 e	-	-	3812	3823	-	1107
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	9	4944
Non-ferrous metals	-	48	-	-	-	-	-	-	-	-	313
Non-metallic minerals	-	208	-	-	20	-	-	-	-	-	1788
Transport equipment	-	-	-	-	-	-	-	-	-	-	361
Machinery	-	-	-	-	-	-	-	-	-	-	613
Mining and quarrying	-	154	-	-	-	-	-	420	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	3828
Paper, pulp and print	-	9	-	-	-	-	-	-	-	4	355
Wood and wood products	-	-	-	-	-	-	-	-	-	-	4
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	104
Non-specified	-	-	-	-	-	-	18	-	-	-	64
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1525
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1525
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	225	-	-	-	6247
Residential	-	-	-	-	-	-	117	-	-	-	1406
Comm. and public services	-	-	-	-	-	-	108	-	-	-	4455
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	386
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	21	-	-	-	-	-	4444
in industry/transf./energy	-	-	-	-	21	-	-	-	-	-	4444
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	4444
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Sweden

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	739	481	4906	73	-	7428
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	19689	-	486	15	-	1708	1877	954	-	3089
Exports	-	-	-1323	-	-	-685	-3589	-70	-	-5314
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-684
Intl. aviation bunkers	-	-	-	-	-	-	-	-800	-	-
Stock changes	8	-	50	49	-	10	11	52	-	300
DOMESTIC SUPPLY	19697	-	-787	64	739	1514	3205	209	-	4819
Transfers	-	-	2082	-	-	-	-681	-5	-	761
Statistical differences	24	-	50	-45	-	-16	-271	-31	-	-859
TRANSFORMATION	19721	-	1345	19	-	9	-	-	-	70
Electricity plants	-	-	-	-	-	-	-	-	-	3
CHP plants	-	-	-	-	-	8	-	-	-	41
Heat plants	-	-	-	-	-	1	-	-	-	26
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	19721	-	1345	19	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	739	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	739	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	1489	2253	173	-	4651
INDUSTRY	-	-	-	-	-	320	-	-	-	257
Iron and steel	-	-	-	-	-	136	-	-	-	23
Chemical and petrochemical	-	-	-	-	-	49	-	-	-	16
Non-ferrous metals	-	-	-	-	-	15	-	-	-	13
Non-metallic minerals	-	-	-	-	-	18	-	-	-	15
Transport equipment	-	-	-	-	-	13	-	-	-	10
Machinery	-	-	-	-	-	15	-	-	-	22
Mining and quarrying	-	-	-	-	-	3	-	-	-	68
Food and tobacco	-	-	-	-	-	23	-	-	-	22
Paper, pulp and print	-	-	-	-	-	45	-	-	-	26
Wood and wood products	-	-	-	-	-	-	-	-	-	32
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	2	-	-	-	2
Non-specified	-	-	-	-	-	1	-	-	-	8
TRANSPORT	-	-	-	-	-	-	2253	173	-	3971
Domestic aviation	-	-	-	-	-	-	-	173	-	-
Road	-	-	-	-	-	-	2253	-	-	3925
Rail	-	-	-	-	-	-	-	-	-	2
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	44
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	12	-	-	-	423
Residential	-	-	-	-	-	-	-	-	-	22
Comm. and public services	-	-	-	-	-	11	-	-	-	317
Agriculture/forestry	-	-	-	-	-	1	-	-	-	70
Fishing	-	-	-	-	-	-	-	-	-	14
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	1157	-	-	-	-
in industry/transf./energy	-	-	-	-	-	1157	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	1157	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Sweden

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3203	86	69	3426	393651	361	7265	67736	156010	193429
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2057	253	-	324	4740	1229	-	-	14287	-
Exports	-4547	-90	-	-1162	-4056	-228	-	-	-26022	-
Intl. marine bunkers	-1348	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	104	-10	-	4	-	-7	-	-	-	-
DOMESTIC SUPPLY	-531	239	69	2592	394335	1355	7265	67736	144275	193429
Transfers	250	-	-	-2407	-	-	-	-	-	-
Statistical differences	627	1	-	358	-	135	-	-	-	-
TRANSFORMATION	86	-	-	-	169259	81	368	67736	2387	-
Electricity plants	3	-	-	-	-	-	1	-	-	-
CHP plants	64	-	-	-	135091	21	220	62535	-	-
Heat plants	19	-	-	-	34168	60	147	5201	2387	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	26	-	69	-	-	-	662	-	6767	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	26	-	69	-	-	-	-	-	1012	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	3479	-
Pumped storage plants	-	-	-	-	-	-	-	-	170	-
Other energy ind. own use	-	-	-	-	-	-	662	-	2106	-
Losses	-	-	-	-	-	-	-	-	7625	7945
FINAL CONSUMPTION	234	240	-	543	225076	1409	6235	-	127496	185484
INDUSTRY	213	-	-	-	178691	-	36	-	50289	20988
Iron and steel	24	-	-	-	-	-	-	-	4387	-
Chemical and petrochemical	32	-	-	-	419	-	-	-	4607	-
Non-ferrous metals	4	-	-	-	-	-	-	-	2935	-
Non-metallic minerals	21	-	-	-	-	-	-	-	986	-
Transport equipment	-	-	-	-	-	-	-	-	1938	-
Machinery	1	-	-	-	-	-	-	-	3276	-
Mining and quarrying	38	-	-	-	-	-	-	-	3612	-
Food and tobacco	7	-	-	-	921	-	-	-	2409	-
Paper, pulp and print	85	-	-	-	160269	-	-	-	20140	-
Wood and wood products	1	-	-	-	16035	-	-	-	1871	-
Construction	-	-	-	-	-	-	-	-	1337	-
Textile and leather	-	-	-	-	-	-	36	-	204	-
Non-specified	-	-	-	-	1047	-	-	-	2587	20988
TRANSPORT	4	-	-	-	-	1409	4140	-	2664	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	1409	4140	-	-	-
Rail	-	-	-	-	-	-	-	-	2664	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	4	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	17	-	-	-	46385	-	2059	-	74543	164496
Residential	-	-	-	-	38189	-	2059	-	44519	109120
Comm. and public services	17	-	-	-	2749	-	-	-	28733	55076
Agriculture/forestry	-	-	-	-	5447	-	-	-	1291	300
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	240	-	543	-	-	-	-	-	-
in industry/transf./energy	-	240	-	488	-	-	-	-	-	-
of which: chem./petrochem.	-	240	-	-	-	-	-	-	-	-
in transport	-	-	-	55	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Sweden: provisional energy supply for 2017

SUPPLY	Coal (kt)					Coal gases (TJ)			Peat (kt)	Natural gas (TJ)	
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas			Recovered gases ¹
Production	-	-	-	-	1155	-	-	8890	14924	356	-
From other sources	-	-	-	-	-	-	311	-	-	-	-
Imports	1667	1064	-	-	96	-	-	-	-	74	31277
Exports	-	-	-	-	-30	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-154	25	-	-	104	-	-	-	-	-	-
DOMESTIC SUPPLY	1513	1089	-	-	1325	-	311	8890	14924	430	31277

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	741	421	4674	22	-	8043
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	19864	-	696	15	-	1658	1504	948	-	2910
Exports	-803	-	-1076	-	-	-619	-3844	-16	-	-6938
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-723
Intl. aviation bunkers	-	-	-	-	-	-	-	-812	-	-
Stock changes	548	-	-53	1	-	9	6	70	-	1144
DOMESTIC SUPPLY	19609	-	-433	16	741	1469	2340	212	-	4436
Transfers	-	-	1800	-	-	-	-681	-5	-	761

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3010	83	58	3040	376161	300	7265	67470	160243	170486
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	1577	309	-	395	5092	1563	-	-	11896	-
Exports	-4148	-71	-	-1179	-3809	-346	-	-	-30888	-
Intl. marine bunkers	-1641	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	322	-2	-	32	-	5	-	-	-	-
DOMESTIC SUPPLY	-880	319	58	2288	377444	1522	7265	67470	141251	170486
Transfers	250	-	-	-2125	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Switzerland

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	1109
Imports	-	47	-	133	16	-	-	-	-	-	139395
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	4	-	-3	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	51	-	130	16	-	-	-	-	-	140504
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	10426
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	6679
Heat plants	-	-	-	-	-	-	-	-	-	-	3747
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	140
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	140
Losses	-	-	-	-	-	-	-	-	-	-	300
FINAL CONSUMPTION	-	51	-	130	16	-	-	-	-	-	129638
INDUSTRY	-	43	-	130	16	-	-	-	-	-	44101
Iron and steel	-	12	-	-	4	-	-	-	-	-	3655
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	14888
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	1755
Non-metallic minerals	-	30	-	130	11	-	-	-	-	-	4361
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	4788
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	1	-	-	1	-	-	-	-	-	8523
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	2894
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	767
Textile and leather	-	-	-	-	-	-	-	-	-	-	738
Non-specified	-	-	-	-	-	-	-	-	-	-	1732
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1040
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	664
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	376
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	8	-	-	-	-	-	-	-	-	84497
Residential	-	8	-	-	-	-	-	-	-	-	54175
Comm. and public services	-	-	-	-	-	-	-	-	-	-	29924
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	398
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Switzerland

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	123	104	690	43	-	1693
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2930	-	40	36	-	71	1715	1668	2	3803
Exports	-16	-	-	-	-	-8	-10	-	-	-30
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-5
Intl. aviation bunkers	-	-	-	-	-	-	-	-1653	-	-
Stock changes	16	-	-	-1	-	-	20	1	-	-150
DOMESTIC SUPPLY	2930	-	40	35	123	167	2415	59	2	5311
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	1	-	-	1	-	-	-3	5	-	459
TRANSFORMATION	2931	-	40	36	-	1	-	-	-	13
Electricity plants	-	-	-	-	-	-	-	-	-	2
CHP plants	-	-	-	-	-	1	-	-	-	4
Heat plants	-	-	-	-	-	-	-	-	-	4
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2931	-	40	36	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	3
ENERGY IND. OWN USE	-	-	-	-	123	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	123	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	166	2412	64	2	5757
INDUSTRY	-	-	-	-	-	-	-	-	1	301
Iron and steel	-	-	-	-	-	-	-	-	-	3
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	21
Non-ferrous metals	-	-	-	-	-	-	-	-	-	2
Non-metallic minerals	-	-	-	-	-	-	-	-	-	12
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	92
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	59
Paper, pulp and print	-	-	-	-	-	-	-	-	-	10
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	51
Textile and leather	-	-	-	-	-	-	-	-	-	9
Non-specified	-	-	-	-	-	-	-	-	1	42
TRANSPORT	-	-	-	-	-	2	2412	64	-	2672
Domestic aviation	-	-	-	-	-	-	-	64	-	-
Road	-	-	-	-	-	2	2411	-	-	2655
Rail	-	-	-	-	-	-	-	-	-	10
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	1	-	-	7
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	106	-	-	1	2784
Residential	-	-	-	-	-	-	-	-	-	1898
Comm. and public services	-	-	-	-	-	-	-	-	-	812
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	106	-	-	1	74
NON-ENERGY USE	-	-	-	-	-	58	-	-	-	-
in industry/transf./energy	-	-	-	-	-	58	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	58	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Switzerland

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	319	-	-	33	41350	7	4898	58940	63175	21945
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1	18	56	376	1720	105	-	-	34096	-
Exports	-350	-6	-	-65	-100	-8	-	-	-30173	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	39	8	-	6	-	-3	-	-	-	-
DOMESTIC SUPPLY	9	20	56	350	42970	101	4898	58940	67098	21945
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	5550	-	3146	45398	9	-
Electricity plants	-	-	-	-	-	-	6	-	-	-
CHP plants	-	-	-	-	5550	-	2140	45398	-	-
Heat plants	-	-	-	-	-	-	-	-	9	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	1000	-	-	-
ENERGY IND. OWN USE	6	-	-	-	-	-	-	-	4391	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	6	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	1469	-
Pumped storage plants	-	-	-	-	-	-	-	-	2922	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	4468	1830
FINAL CONSUMPTION	3	20	56	350	37420	101	1752	13542	58230	20115
INDUSTRY	3	-	56	-	9896	-	473	9835	17761	7184
Iron and steel	-	-	-	-	129	-	-	-	1395	-
Chemical and petrochemical	-	-	-	-	-	-	-	3876	2987	1281
Non-ferrous metals	-	-	-	-	-	-	-	-	448	3
Non-metallic minerals	3	-	56	-	-	-	-	5191	1145	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	172	-	-	-	4251	486
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	27	-	-	131	2544	248
Paper, pulp and print	-	-	-	-	1382	-	-	527	1757	2508
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	2993	-	-	-	534	20
Textile and leather	-	-	-	-	71	-	-	-	184	11
Non-specified	-	-	-	-	5122	-	473	110	2516	2627
TRANSPORT	-	-	-	-	-	101	-	-	3200	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	101	-	-	-	-
Rail	-	-	-	-	-	-	-	-	3200	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	27524	-	1279	3707	37269	12931
Residential	-	-	-	-	19803	-	-	-	19078	7738
Comm. and public services	-	-	-	-	7084	-	1095	3707	17216	5193
Agriculture/forestry	-	-	-	-	637	-	184	-	975	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	20	-	350	-	-	-	-	-	-
in industry/transf./energy	-	20	-	319	-	-	-	-	-	-
of which: chem./petrochem.	-	20	-	3	-	-	-	-	-	-
in transport	-	-	-	31	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Switzerland: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	1228
Imports	-	52	-	123	15	-	-	-	-	-	139993
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	52	-	123	15	-	-	-	-	-	141221

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	-	-	-	-	112	102	644	8	-	1704
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2848	-	11	30	-	70	1636	1726	2	3814
Exports	-	-	-	-	-	-16	-1	-	-	-32
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-5
Intl. aviation bunkers	-	-	-	-	-	-	-	-1679	-	-
Stock changes	3	-	2	-	-	-	41	7	-	89
DOMESTIC SUPPLY	2851	-	13	30	112	156	2320	62	2	5570
Transfers	-	-	-	-	-	-	-	-	-	-

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	292	-	-	27	40820	8	5235	59687	62910	21930
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	-	8	53	364	2190	154	-	-	36496	-
Exports	-274	-1	-	-59	-90	-	-	-	-30946	-
Intl. marine bunkers	-	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-9	3	-	..	-	-4	-	-	-	-
DOMESTIC SUPPLY	9	10	53	332	42920	158	5235	59687	68460	21930
Transfers	-	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Turkey

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	695	618	1452	70239	4374	-	-	31939	52432	-	14068
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	5794	30422	-	-	590	-	-	-	-	-	1775476
Exports	-4	-57	-	-	-135	-	-	-	-	-	-25923
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-189	-255	105	-2289	250	-	-	-	-	-	16318
DOMESTIC SUPPLY	6296	30728	1557	67950	5079	-	-	31939	52432	-	1779939
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1	-184	-	-316	97	-	-	-	-	-	-3009
TRANSFORMATION	6283	17975	1324	58975	4225	-	-	8328	23748	-	701703
Electricity plants	587	17193	1324	58687	-	-	-	7924	22034	-	601243
CHP plants	21	166	-	288	-	-	-	404	1714	-	82765
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	616 e	-	-	4225 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	5675	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	17695
ENERGY IND. OWN USE	12	283	-	370	-	-	-	8950	22548	-	63348
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	63146
Elec., CHP and heat plants	12	283	-	370	-	-	-	-	-	-	202
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	8950	22548	-	-
Losses	-	-	-	-	-	-	-	-	-	-	157
FINAL CONSUMPTION	-	12286	233	8289	951	-	-	14661	6136	-	1011722
INDUSTRY	-	5690	120	4966	922	-	-	14661	6136	-	398357
Iron and steel	-	635 e	-	-	749 e	-	-	14661	6136	-	49270
Chemical and petrochemical	-	545	-	541	1	-	-	-	-	-	83686
Non-ferrous metals	-	10	-	362	81	-	-	-	-	-	22413
Non-metallic minerals	-	3904	120	855	20	-	-	-	-	-	71659
Transport equipment	-	-	-	5	-	-	-	-	-	-	6856
Machinery	-	-	-	78	4	-	-	-	-	-	6358
Mining and quarrying	-	1	-	57	-	-	-	-	-	-	4204
Food and tobacco	-	222	-	1414	67	-	-	-	-	-	47530
Paper, pulp and print	-	192	-	191	-	-	-	-	-	-	10511
Wood and wood products	-	13	-	20	-	-	-	-	-	-	7660
Construction	-	-	-	3	-	-	-	-	-	-	20977
Textile and leather	-	157	-	1439	-	-	-	-	-	-	42015
Non-specified	-	11	-	1	-	-	-	-	-	-	25218
TRANSPORT	-	-	-	-	-	-	-	-	-	-	15172
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	3107
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	12065
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	6596	113	3323	29	-	-	-	-	-	568204
Residential	-	1475	113	2531	-	-	-	-	-	-	445060
Comm. and public services	-	5121	-	792	29	-	-	-	-	-	118681
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	2607
Fishing	-	-	-	-	-	-	-	-	-	-	1856
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	29989
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	29989
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	29989
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Turkey

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	2573	-	-	-	1541	972	5103	4504	18	9661
From other sources	462	-	1926	-	-	-	-	-	-	-
Imports	24958	-	-	109	-	3419	-	337	-	12861
Exports	-	-	-649	-	-	-214	-2890	-196	-	-72
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-81
Intl. aviation bunkers	-	-	-	-	-	-	-	-3334	-	-
Stock changes	-165	-	-67	-	-	25	-45	32	-3	-227
DOMESTIC SUPPLY	27828	-	1210	109	1541	4202	2168	1343	15	22142
Transfers	-	-	1432	-	-	-	-	-	-	-819
Statistical differences	-828	-	-	-	-	-22	-12	-	-	228
TRANSFORMATION	27000	-	2642	109	-	-	-	-	-	165
Electricity plants	-	-	-	-	-	-	-	-	-	165
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	27000	-	2642	109	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	1541	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	1541	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	4180	2156	1343	15	21386
INDUSTRY	-	-	-	-	-	126	1	-	-	510
Iron and steel	-	-	-	-	-	27	-	-	-	17
Chemical and petrochemical	-	-	-	-	-	2	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	24	-	-	-	45
Transport equipment	-	-	-	-	-	24	1	-	-	7
Machinery	-	-	-	-	-	1	-	-	-	2
Mining and quarrying	-	-	-	-	-	8	-	-	-	245
Food and tobacco	-	-	-	-	-	38	-	-	-	9
Paper, pulp and print	-	-	-	-	-	1	-	-	-	22
Wood and wood products	-	-	-	-	-	-	-	-	-	11
Construction	-	-	-	-	-	-	-	-	-	134
Textile and leather	-	-	-	-	-	1	-	-	-	2
Non-specified	-	-	-	-	-	-	-	-	-	16
TRANSPORT	-	-	-	-	-	3234	2155	1343	-	18390
Domestic aviation	-	-	-	-	-	-	-	1343	-	-
Road	-	-	-	-	-	3234	2155	-	-	18025
Rail	-	-	-	-	-	-	-	-	-	105
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	260
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	820	-	-	15	2482
Residential	-	-	-	-	-	209	-	-	15	-
Comm. and public services	-	-	-	-	-	611	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	2392
Fishing	-	-	-	-	-	-	-	-	-	90
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	4
in industry/transf./energy	-	-	-	-	-	-	-	-	-	4
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	4
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Turkey

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2835	320	733	3918	109382	135	14721	2067	274408	52899
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1707	1767	4275	303	-	-	-	-	6330	-
Exports	-1652	-9	-617	-190	-	-	-	-	-1452	-
Intl. marine bunkers	-812	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-90	-36	27	-26	-	1	-	-	-	-
DOMESTIC SUPPLY	1988	2042	4418	4005	109382	136	14721	2067	279286	52899
Transfers	-613	-	-	-	-	-	-	-	-	-
Statistical differences	-21	-	-	-	-	-	-	-	-	-
TRANSFORMATION	256	1926	-	-	986	-	14721	2067	-	14060
Electricity plants	131	-	-	-	516	-	9638	222	-	-
CHP plants	125	-	-	-	470	-	5083	1845	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	1926	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	14060
ENERGY IND. OWN USE	874	-	-	-	-	-	-	-	15277	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	955	-
Oil refineries	874	-	-	-	-	-	-	-	1797	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	12471	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	54	-
Losses	-	-	-	-	-	-	-	-	35611	-
FINAL CONSUMPTION	224	116	4418	4005	108396	136	-	-	228398	38839
INDUSTRY	178	-	-	-	-	-	-	-	105491	38839
Iron and steel	-	-	-	-	-	-	-	-	22644	-
Chemical and petrochemical	95	-	-	-	-	-	-	-	5405	-
Non-ferrous metals	-	-	-	-	-	-	-	-	3139	-
Non-metallic minerals	10	-	-	-	-	-	-	-	14201	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	6440	-
Mining and quarrying	16	-	-	-	-	-	-	-	1506	-
Food and tobacco	34	-	-	-	-	-	-	-	7420	-
Paper, pulp and print	-	-	-	-	-	-	-	-	3398	-
Wood and wood products	-	-	-	-	-	-	-	-	2975	-
Construction	-	-	-	-	-	-	-	-	3026	-
Textile and leather	-	-	-	-	-	-	-	-	15920	-
Non-specified	23	-	-	-	-	-	-	-	19417	38839
TRANSPORT	44	-	-	-	-	136	-	-	1156	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	136	-	-	-	-
Rail	-	-	-	-	-	-	-	-	883	-
Pipeline transport	-	-	-	-	-	-	-	-	273	-
Domestic navigation	44	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	2	-	-	-	108396	-	-	-	121751	-
Residential	2	-	-	-	108396	-	-	-	51204	-
Comm. and public services	-	-	-	-	-	-	-	-	63741	-
Agriculture/forestry	-	-	-	-	-	-	-	-	6672	-
Fishing	-	-	-	-	-	-	-	-	134	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	116	4418	4005	-	-	-	-	-	-
in industry/transf./energy	-	116	4418	3794	-	-	-	-	-	-
of which: chem./petrochem.	-	116	-	392	-	-	-	-	-	-
in transport	-	-	-	211	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Turkey: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	675	574	1295	74100	4463	-	-	33791	53026	-	13564
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	5274	32978	-	-	630	-	-	-	-	-	2111163
Exports	-9	-91	-	-	-136	-	-	-	-	-	-24158
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	450	-296	200	-2400	225	-	-	-	-	-	-47789
DOMESTIC SUPPLY	6390	33165	1495	71700	5182	-	-	33791	53026	-	2052780

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	2553	-	-	-	1354	1015	5366	4837	19	10478
From other sources	492	-	1926	-	-	-	-	-	-	-
Imports	25767	-	-	120	-	3387	-	194	-	14466
Exports	-	-	-454	-	-	-284	-3172	-314	-	-233
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-77
Intl. aviation bunkers	-	-	-	-	-	-	-	-3313	-	-
Stock changes	-233	-	-56	-	-	-41	32	-69	-4	-176
DOMESTIC SUPPLY	28579	-	1416	120	1354	4077	2226	1335	15	24458
Transfers	-	-	2350	-	-	-	-	-	-	-1077

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2565	343	934	4607	111829	145	17130	2778	297278	56009
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	2105	1707	4197	361	-	-	-	-	2729	-
Exports	-1505	-55	-464	-254	-	-	-	-	-3304	-
Intl. marine bunkers	-785	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	138	-14	36	-145	-	-	-	-	-	-
DOMESTIC SUPPLY	2518	1981	4703	4569	111829	145	17130	2778	296703	56009
Transfers	-1273	-	-	..	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

United Kingdom

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	53	4125	-	-	1400	245	-	12485	36325	-	1665902
From other sources	-	-	-	-	-	-	-	1296	-	-	6908
Imports	2781	5713	-	-	1222	29	-	-	-	-	1895984
Exports	-1	-443	-	-	-	-22	-	-	-	-	-391621
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-58	5713	-	-	-109	-16	-	-	-	-	58470
DOMESTIC SUPPLY	2775	15108	-	-	2513	236	-	13781	36325	-	3235643
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	410	-400	-	-	-5	-	-	-4	-87	-	-5313
TRANSFORMATION	3000	12495	-	-	1850	-	-	4758	19992	-	1168346
Electricity plants	-	12040	-	-	-	-	-	2949	18845	-	960421
CHP plants	-	19	-	-	-	-	-	303	502	-	112657
Heat plants	-	213	-	-	-	-	-	1506	645	-	94030
Blast furnaces	1179 e	-	-	-	1850 e	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	1821	223	-	-	-	-	-	-	-	-	1238
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	4814	12632	-	207981
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	180505
Oil refineries	-	-	-	-	-	-	-	-	-	-	3883
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	4814	12632	-	23593
Losses	-	-	-	-	-	-	-	732	3285	-	19424
FINAL CONSUMPTION	185	2213	-	-	658	236	-	3473	329	-	1834579
INDUSTRY	185	1616	-	-	606	-	-	3473	329	-	352821
Iron and steel	185 e	35	-	-	606 e	-	-	3473	329	-	14958
Chemical and petrochemical	-	67	-	-	-	-	-	-	-	-	70603
Non-ferrous metals	-	18	-	-	-	-	-	-	-	-	6764
Non-metallic minerals	-	813	-	-	-	-	-	-	-	-	42158
Transport equipment	-	53	-	-	-	-	-	-	-	-	32793
Machinery	-	16	-	-	-	-	-	-	-	-	34130
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	44	-	-	-	-	-	-	-	-	71341
Paper, pulp and print	-	130	-	-	-	-	-	-	-	-	29988
Wood and wood products	-	-	-	-	-	-	-	-	-	-	2010
Construction	-	5	-	-	-	-	-	-	-	-	11632
Textile and leather	-	68	-	-	-	-	-	-	-	-	14900
Non-specified	-	367	-	-	-	-	-	-	-	-	21544
TRANSPORT	-	15	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	15	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	582	-	-	-	236	-	-	-	-	1463366
Residential	-	550	-	-	-	236	-	-	-	-	1120951
Comm. and public services	-	25	-	-	-	-	-	-	-	-	301339
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	3406
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	7	-	-	-	-	-	-	-	-	37670
NON-ENERGY USE	-	-	-	-	52	-	-	-	-	-	18392
in industry/transf./energy	-	-	-	-	52	-	-	-	-	-	18392
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	18392
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

United Kingdom

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	44306	3139	-	-	2388	2233	17342	4392	2015	20530
From other sources	-	-	440	-	-	-	-	-	-	-
Imports	39438	2977	6292	26	-	798	3911	8860	787	16412
Exports	-30651	-2596	-1609	-	-	-972	-11130	-1226	-126	-4927
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1770
Intl. aviation bunkers	-	-	-	-	-	-	-	-10640	-	-
Stock changes	6	19	-113	-	-	8	5	45	37	-175
DOMESTIC SUPPLY	53099	3539	5010	26	2388	2067	10128	1431	2713	30070
Transfers	-	-2550	958	-	-	2251	1851	-779	750	-246
Statistical differences	-27	-11	355	1	8	67	-28	149	-171	-341
TRANSFORMATION	53072	978	6323	27	398	283	-	-	-	96
Electricity plants	-	-	-	-	-	-	-	-	-	47
CHP plants	-	-	-	-	251	-	-	-	-	44
Heat plants	-	-	-	-	-	8	-	-	-	5
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	53072	978	6323	27	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	147	275	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	1935	-	-	-	-	599
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	599
Oil refineries	-	-	-	-	1935	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	63	4102	11951	801	3292	28788
INDUSTRY	-	-	-	-	-	387	-	-	1373	1576
Iron and steel	-	-	-	-	-	1	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	84
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	171
Transport equipment	-	-	-	-	-	-	-	-	24	155
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	31	-	-	6	21
Paper, pulp and print	-	-	-	-	-	-	-	-	-	29
Wood and wood products	-	-	-	-	-	3	-	-	-	22
Construction	-	-	-	-	-	-	-	-	-	172
Textile and leather	-	-	-	-	-	-	-	-	-	41
Non-specified	-	-	-	-	-	352	-	-	1343	881
TRANSPORT	-	-	-	-	-	71	11951	801	-	25759
Domestic aviation	-	-	-	-	-	-	-	801	-	-
Road	-	-	-	-	-	71	11951	-	-	24648
Rail	-	-	-	-	-	-	-	-	-	578
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	533
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	658	-	-	1919	1436
Residential	-	-	-	-	-	215	-	-	1919	141
Comm. and public services	-	-	-	-	-	354	-	-	-	681
Agriculture/forestry	-	-	-	-	-	89	-	-	-	284
Fishing	-	-	-	-	-	-	-	-	-	69
Non-specified	-	-	-	-	-	-	-	-	-	261
NON-ENERGY USE	-	-	-	-	63	2986	-	-	-	17
in industry/transf./energy	-	-	-	-	63	2986	-	-	-	17
of which: chem./petrochem.	-	-	-	-	63	2986	-	-	-	17
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

United Kingdom

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	4329	2306	1846	2524	160773	714	108893	90704	339399	58985
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1280	1412	223	1160	110698	747	-	-	19699	-
Exports	-3360	-526	-710	-1337	-4766	-260	-	-	-2153	-
Intl. marine bunkers	-892	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	103	13	84	-39	-	31	-	-	-	-
DOMESTIC SUPPLY	1460	3205	1443	2308	266705	1232	108893	90704	356945	58985
Transfers	-623	-2000	-	388	-	-	-	-	-	-
Statistical differences	-20	77	16	-122	-	1	1	-2	-	-
TRANSFORMATION	203	-	95	18	146901	-	99341	85162	-	-
Electricity plants	147	-	-	-	146727	-	84658	67120	-	-
CHP plants	11	-	-	-	-	-	8880	16038	-	-
Heat plants	45	-	-	-	174	-	-	2004	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	95	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	18	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	5803	-	-	-
ENERGY IND. OWN USE	300	-	1117	-	-	-	-	-	26525	11435
Fuel mining and extraction	64	-	-	-	-	-	-	-	1074	-
Oil refineries	236	-	1117	-	-	-	-	-	4412	11435
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	15275	-
Pumped storage plants	-	-	-	-	-	-	-	-	4014	-
Other energy ind. own use	-	-	-	-	-	-	-	-	1750	-
Losses	-	-	-	-	-	-	-	-	26517	-
FINAL CONSUMPTION	314	1282	247	2556	119804	1233	9553	5540	303903	47550
INDUSTRY	194	89	109	-	40364	-	3586	4044	91916	25548
Iron and steel	3	-	-	-	-	-	-	-	2847	-
Chemical and petrochemical	25	-	-	-	936	-	-	-	15445	8453
Non-ferrous metals	-	-	-	-	-	-	-	-	4303	-
Non-metallic minerals	6	-	-	-	6083	-	528	-	6018	-
Transport equipment	6	-	-	-	-	-	-	-	4676	-
Machinery	-	-	-	-	-	-	-	44	12076	-
Mining and quarrying	-	-	-	-	-	-	-	-	107	-
Food and tobacco	72	-	-	-	1317	-	258	-	10733	-
Paper, pulp and print	-	-	-	-	17270	-	103	-	10595	-
Wood and wood products	1	-	-	-	4036	-	-	-	529	-
Construction	7	-	-	-	-	-	-	-	1337	-
Textile and leather	-	-	-	-	-	-	-	-	2638	-
Non-specified	74	89	109	-	10722	-	2697	4000	20612	17095
TRANSPORT	-	-	-	-	-	1233	-	-	4669	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	1233	-	-	129	-
Rail	-	-	-	-	-	-	-	-	4540	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	120	-	-	-	79440	-	5967	1496	207318	22002
Residential	-	-	-	-	68721	-	-	-	107971	2174
Comm. and public services	89	-	-	-	6881	-	18	1496	94924	19828
Agriculture/forestry	17	-	-	-	3838	-	5949	-	3317	-
Fishing	-	-	-	-	-	-	-	-	1106	-
Non-specified	14	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	1193	138	2556	-	-	-	-	-	-
in industry/transf./energy	-	1193	138	2421	-	-	-	-	-	-
of which: chem./petrochem.	-	1193	-	-	-	-	-	-	-	-
in transport	-	-	-	61	-	-	-	-	-	-
in other	-	-	-	74	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

United Kingdom: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	39	3002	-	-	1433	201	-	13482	35148	-	1673724
From other sources	-	-	-	-	-	-	-	560	-	-	9903
Imports	2692	5802	-	-	943	57	-	-	-	-	1885521
Exports	-2	-493	-	-	-	-20	-	-	-	-	-437537
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	300	3033	-	-	-6	3	-	-	-	-	40473
DOMESTIC SUPPLY	3029	11344	-	-	2370	241	-	14042	35148	-	3172084

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	43022	3448	-	-	2529	2180	17415	5031	2047	20303
From other sources	-	-	421	-	-	-	-	-	-	-
Imports	44273	2712	6514	12	-	614	3472	8674	591	15442
Exports	-34308	-2674	-1463	-	-	-1143	-10959	-1242	-102	-3843
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1659
Intl. aviation bunkers	-	-	-	-	-	-	-	-10957	-	-
Stock changes	426	27	-36	1	-	-18	-50	-16	59	6
DOMESTIC SUPPLY	53413	3513	5436	13	2529	1633	9878	1490	2595	30249
Transfers	-	-2644	727	-	-	2354	1968	-766	652	-27

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3949	2279	1909	2291	182842	979	108797	93174	335863	58985
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	940	1513	381	1550	105076	629	-	-	18032	-
Exports	-3031	-600	-645	-1551	-5070	-391	-	-	-3217	-
Intl. marine bunkers	-788	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-25	-20	-102	36	-	1	-	-	-	-
DOMESTIC SUPPLY	1045	3172	1543	2326	282848	1218	108797	93174	350678	58985
Transfers	-340	-2042	-	118	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

United States

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	50136	243948	299591	66313	10755	-	52575	59810	104420	-	29182769
From other sources	-	772	-	-	-	-	-	-	-	-	52575
Imports	870	5975	2003	87	207	-	-	-	-	-	3235397
Exports	-37131	-14652	-2874	-19	-907	-	-	-	-	-	-2450532
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	509	23018	18315	837	755	-	-	-	-	-	404490
DOMESTIC SUPPLY	14384	259061	317035	67218	10810	-	52575	59810	104420	-	30424699
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	571	825	6677	-2554	-	-	-	-	-	-	-345747
TRANSFORMATION	14955	243273	317408	64214	7934	-	52575	3581	21319	-	11728386
Electricity plants	-	231486	315059	58805	-	-	-	930	2543	-	9631093
CHP plants	-	10714	2349	2	-	-	-	2651	18776	-	1893144
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	1073 e	-	-	7934 e	-	-	-	-	-	-
Gas works	-	-	-	5407	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	14955	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	52575	-	-	-	204149
ENERGY IND. OWN USE	-	50	1	-	-	-	-	26921	21955	-	2715621
Fuel mining and extraction	-	50	1	-	-	-	-	-	-	-	1740820
Oil refineries	-	-	-	-	-	-	-	-	-	-	964605
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	26921	21955	-	10196
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	16563	6303	450	2876	-	-	29308	61146	-	15634945
INDUSTRY	-	16040	5855	450	2876	-	-	29308	61146	-	5735556
Iron and steel	-	389 e	-	-	2876 e	-	-	194	61146	-	356586
Chemical and petrochemical	-	3073	1178	404	-	-	-	-	-	-	2030735
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	180902
Non-metallic minerals	-	7088	308	-	-	-	-	-	-	-	409621
Transport equipment	-	2	-	-	-	-	-	-	-	-	192460
Machinery	-	76	-	-	-	-	-	-	-	-	410546
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	117299
Food and tobacco	-	2145	3628	46	-	-	-	-	-	-	855832
Paper, pulp and print	-	2304	540	-	-	-	-	-	-	-	440531
Wood and wood products	-	-	-	-	-	-	-	-	-	-	57725
Construction	-	-	-	-	-	-	-	-	-	-	19154
Textile and leather	-	90	-	-	-	-	-	-	-	-	48412
Non-specified	-	873	201	-	-	-	-	29114	-	-	615753
TRANSPORT	-	-	-	-	-	-	-	-	-	-	808952
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	45865
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	763087
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	523	448	-	-	-	-	-	-	-	8221330
Residential	-	-	-	-	-	-	-	-	-	-	4754067
Comm. and public services	-	523	448	-	-	-	-	-	-	-	3397834
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	69429
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	869107
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	869107
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	869107
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

United States

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	438053	100347	-	-	15516	10506	357795	76575	646	231807
From other sources	4064	-	-	2775	-	-	-	-	-	-
Imports	388281	544	30535	471	-	4389	32336	7174	112	8229
Exports	-29226	-7976	-9000	-3056	-	-29530	-32972	-8162	-427	-57712
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-3106
Intl. aviation bunkers	-	-	-	-	-	-	-	-23114	-	-
Stock changes	-4064	-416	342	-65	-	801	-646	-557	63	-841
DOMESTIC SUPPLY	797108	92499	21877	125	15516	-13834	356513	51916	394	178377
Transfers	-	-72900	-153 e	-	-	70192	2708	29	23	2093
Statistical differences	7562	-	-619	-	-	8	-	-	-	-
TRANSFORMATION	804670	16900	21105	125	1238	-	-	9	36	1277
Electricity plants	-	-	-	-	105 e	-	-	9	36	1224
CHP plants	-	-	-	-	1133 e	-	-	-	-	53
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	804670	16900	21105	125	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	13221	218	1003	38	1	5761
Fuel mining and extraction	-	-	-	-	-	-	988	-	-	5680
Oil refineries	-	-	-	-	13221 e	218	15	38	1	81
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	2699	-	-	1057	56148	358218	51898	380	173432
INDUSTRY	-	-	-	-	-	2996	261	-	-	12840
Iron and steel	-	-	-	-	-	62	-	-	-	91
Chemical and petrochemical	-	-	-	-	-	919	-	-	-	1763
Non-ferrous metals	-	-	-	-	-	9	-	-	-	26
Non-metallic minerals	-	-	-	-	-	325	-	-	-	615
Transport equipment	-	-	-	-	-	51	-	-	-	85
Machinery	-	-	-	-	-	272	-	-	-	403
Mining and quarrying	-	-	-	-	-	-	261	-	-	2297
Food and tobacco	-	-	-	-	-	70	-	-	-	377
Paper, pulp and print	-	-	-	-	-	34	-	-	-	85
Wood and wood products	-	-	-	-	-	40	-	-	-	462
Construction	-	-	-	-	-	1161	-	-	-	6251
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	53	-	-	-	385
TRANSPORT	-	-	-	-	-	89	353242	51898	-	128636
Domestic aviation	-	-	-	-	-	-	-	51898	-	-
Road	-	-	-	-	-	89	349136	-	-	114242
Rail	-	-	-	-	-	-	-	-	-	11346
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	4106	-	-	3048
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	6611	4715	-	380	27427
Residential	-	-	-	-	-	4003	-	-	218	9234
Comm. and public services	-	-	-	-	-	1806	1368	-	162	8703
Agriculture/forestry	-	-	-	-	-	802	3347	-	-	9490
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	2699	-	-	1057	46452	-	-	-	4529
in industry/transf./energy	-	2699	-	-	1057	46452 e	-	-	-	4529
of which: chem./petrochem.	-	2699	-	-	1057	46452 e	-	-	-	4529
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

United States

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	23064	8225	60458	42439	2090260	51058	154864	348118	4322038 e	508000
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	12039	1147	658	5875	-	3211	-	-	69601	-
Exports	-17007	-	-38062	-5355	-	-3791	-	-	-9329	-
Intl. marine bunkers	-14173	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-68	11	328	133	-	-242	-	-	-	-
DOMESTIC SUPPLY	3855	9383	23382	43092	2090260	50236	154864	348118	4382310	508000
Transfers	-113	-	-	-1879 e	-	-	-	-	-	-
Statistical differences	-	-	-	5746	2	-2	-1	-	-	-
TRANSFORMATION	1709	-	3864	183	424019	102	150566	307671	-	-
Electricity plants	1401	-	3436	129	195307	44	136353	261708	-	-
CHP plants	308	-	428	54	228712	58	14213	45963	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	114	-	15614	16	-	138	-	-	339792	169452
Fuel mining and extraction	68	-	-	-	-	138	-	-	45328	-
Oil refineries	45	-	15614	16	-	-	-	-	46859	67852 e
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	202593	101600
Pumped storage plants	-	-	-	-	-	-	-	-	29129	-
Other energy ind. own use	1	-	-	-	-	-	-	-	15883	-
Losses	-	-	-	-	-	-	-	-	234807	60960 e
FINAL CONSUMPTION	1919	9383	3904	46760	1666243	49994	4297	40447	3807711	277588
INDUSTRY	515	-	3904	-	1198317	827	792	21453	796896	219336
Iron and steel	18	-	-	-	-	2	-	-	40145	8051 e
Chemical and petrochemical	265	-	-	-	2142	42	234	8237	124669	134407 e
Non-ferrous metals	-	-	610	-	-	1	-	-	68728	4300 e
Non-metallic minerals	5	-	549	-	17062	18	-	88	36430	164 e
Transport equipment	36	-	-	-	-	2	27	-	44019	5304 e
Machinery	3	-	171	-	-	10	-	-	95183	3976 e
Mining and quarrying	57	-	-	-	-	55	-	-	36793	-
Food and tobacco	61	-	-	-	22189	9	109	300	80594	24232 e
Paper, pulp and print	16	-	32	-	1101355	517	241	9453	78938	20384 e
Wood and wood products	24	-	-	-	51613	11	-	-	17687	11155 e
Construction	-	-	-	-	-	151	-	-	65643	-
Textile and leather	-	-	-	-	-	-	-	-	17866	6412 e
Non-specified	30	-	2542	-	3956	9	181	3375	90201	951 e
TRANSPORT	606	-	-	-	-	48505	-	-	10605	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	48157	-	-	3785	-
Rail	-	-	-	-	-	274	-	-	6820	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	606	-	-	-	-	74	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	798	-	-	-	467926	662	3505	18994	3000210	58252
Residential	-	-	-	-	374198	223	-	-	1409855	-
Comm. and public services	797	-	-	-	54772	210	3481	18994	1360145	58252 e
Agriculture/forestry	1	-	-	-	38956	229	24	-	41097	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	189113 e	-
NON-ENERGY USE	-	9383	-	46760	-	-	-	-	-	-
in industry/transf./energy	-	9383	-	39381 e	-	-	-	-	-	-
of which: chem./petrochem.	-	9383	-	1635	-	-	-	-	-	-
in transport	-	-	-	4404	-	-	-	-	-	-
in other	-	-	-	2975	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

United States: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	65427	254285	318292	63565	11746	-	49683	59810	104420	-	29382316
From other sources	-	699	-	-	-	-	-	-	-	-	51653
Imports	654	4934	1380	87	53	-	-	-	-	-	3271211
Exports	-50126	-29996	-7812	-21	-1097	-	-	-	-	-	-3386630
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-39	10688	7983	711	19	-	-	-	-	-	289774
DOMESTIC SUPPLY	15916	240610	319843	64342	10721	-	49683	59810	104420	-	29608324

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	461423	101905	-	-	15246	10574	355613	78802	337	237023
From other sources	4158	-	-	2635	-	-	-	-	-	-
Imports	390250	300	31790	456	-	4825	29195	7431	152	8274
Exports	-55134	-6744	-13216	-2969	-	-36759	-35397	-8559	-282	-66959
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-4249
Intl. aviation bunkers	-	-	-	-	-	-	-	-23975	-	-
Stock changes	14491	499	-735	5	-	186	-81	147	36	2734
DOMESTIC SUPPLY	815188	95960	17839	127	15246	-21174	349330	53846	243	176823
Transfers	-	-75117	-86	-	-	72016	3053	77	-3	1943

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	23701	8424	59714	43695	2104018	52284	149286	319597	4257152	484247
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	11023	1337	634	7206	-	2171	-	-	65689	-
Exports	-16737	-	-38796	-9722	-	-4400	-	-	-10875	-
Intl. marine bunkers	-16624	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	1687	20	-524	318	-	22	-	-	-	-
DOMESTIC SUPPLY	3050	9781	21028	41497	2104018	50077	149286	319597	4311966	484247
Transfers	-273	-	-	-1610	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

ASSOCIATION COUNTRIES

Brazil

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	101	3424	3480	9507	-	-	68759	86237	-	934111
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	10698	8592	212	-	1107	-	-	-	-	-	454474
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-300	133	-81	-612	-23	-	-	-	-	-	-
DOMESTIC SUPPLY	10398	8826	3555	2868	10591	-	-	68759	86237	-	1388585
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-2	-1	-	-	-	487	-	-	3220
TRANSFORMATION	10393	3821	2693	2837	7473	-	-	11424	65443	-	543733
Electricity plants	-	3525	2478	2837	-	-	-	-	-	-	384868
CHP plants	-	296	215	-	10	-	-	11424	65443	-	117379
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	7463	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	10393	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	41486
ENERGY IND. OWN USE	-	-	-	-	-	-	-	9026	5279	-	246652
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	120727
Oil refineries	-	-	-	-	-	-	-	-	-	-	125925
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	9026	5279	-	-
Losses	5	12	-	-	7	-	-	-	8860	-	17031
FINAL CONSUMPTION	-	4993	860	30	3111	-	-	48796	6655	-	584389
INDUSTRY	-	4993	860	30	2943	-	-	48796	6655	-	418545
Iron and steel	-	3392	-	7	2483	-	-	48796	6655	-	44578
Chemical and petrochemical	-	-	257	-	-	-	-	-	-	-	96791
Non-ferrous metals	-	1240	-	-	331	-	-	-	-	-	24828
Non-metallic minerals	-	104	87	-	71	-	-	-	-	-	58552
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	239	245	6	58	-	-	-	-	-	18041
Food and tobacco	-	-	99	17	-	-	-	-	-	-	36680
Paper, pulp and print	-	-	171	-	-	-	-	-	-	-	34246
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	8691
Non-specified	-	18	1	-	-	-	-	-	-	-	96138
TRANSPORT	-	-	-	-	-	-	-	-	-	-	112512
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	70158
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	42354
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	23506
Residential	-	-	-	-	-	-	-	-	-	-	15701
Comm. and public services	-	-	-	-	-	-	-	-	-	-	7805
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	168	-	-	-	-	-	29826
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	29826
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	29826
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	168	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Brazil

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	127886	3642	-	-	5256	4142	20533	4615	6	38211
From other sources	249	-	2767	-	-	-	-	-	-	-
Imports	7856	-	-	-	-	1902	2821	756	-	7114
Exports	-42976	-	-	-	-	-	-534	-28	-	-400
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-299
Intl. aviation bunkers	-	-	-	-	-	-	-	-2170	-	-
Stock changes	-491	-	-	-	-	41	-34	53	-	-210
DOMESTIC SUPPLY	92524	3642	2767	-	5256	6085	22786	3226	6	44416
Transfers	-1824	-3006	2398	-	-	1479	296	-	-	-575
Statistical differences	-97	-	-	-	-32	-133	169	-9	-	-28
TRANSFORMATION	90603	636	5165	-	438	-	-	-	-	1194
Electricity plants	-	-	-	-	86	-	-	-	-	826
CHP plants	-	-	-	-	352	-	-	-	-	368
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	90603	636	5165	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	4268	1	-	-	-	965
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	958
Oil refineries	-	-	-	-	4268	1	-	-	-	7
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	518	7430	23251	3217	6	41654
INDUSTRY	-	-	-	-	145	901	-	-	1	1054
Iron and steel	-	-	-	-	-	54	-	-	-	31
Chemical and petrochemical	-	-	-	-	145	167	-	-	-	16
Non-ferrous metals	-	-	-	-	-	28	-	-	-	10
Non-metallic minerals	-	-	-	-	-	147	-	-	-	74
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	37	-	-	1	381
Food and tobacco	-	-	-	-	-	217	-	-	-	240
Paper, pulp and print	-	-	-	-	-	61	-	-	-	181
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	13	-	-	-	-
Textile and leather	-	-	-	-	-	28	-	-	-	2
Non-specified	-	-	-	-	-	149	-	-	-	119
TRANSPORT	-	-	-	-	-	-	23251	3217	-	35398
Domestic aviation	-	-	-	-	-	-	-	3217	-	-
Road	-	-	-	-	-	-	23251	-	-	34233
Rail	-	-	-	-	-	-	-	-	-	943
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	222
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	6529	-	-	2	5202
Residential	-	-	-	-	-	5922	-	-	2	-
Comm. and public services	-	-	-	-	-	590	-	-	-	11
Agriculture/forestry	-	-	-	-	-	17	-	-	-	5191
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	373	-	-	-	3	-
in industry/transf./energy	-	-	-	-	373	-	-	-	3	-
of which: chem./petrochem.	-	-	-	-	373	-	-	-	3	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Brazil

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	11545	2307	5285	7338	2868313	24604	8403	-	578889	3342
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	65	6237	2142	1032	-	670	-	-	41313	-
Exports	-3775	-	-486	-595	-	-1431	-	-	-518	-
Intl. marine bunkers	-3225	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-2	91	-9	64	-	245	-	-	-	-
DOMESTIC SUPPLY	4608	8635	6932	7839	2868313	24088	8403	-	619684	3342
Transfers	-	162	-	1049	-	-	-	-	-	-
Statistical differences	52	-143	31	212	27	-60	-	-	11	-
TRANSFORMATION	1420	2767	988	232	503318	-	8403	-	-	3342
Electricity plants	1181	-	-	-	2845	-	6882	-	-	3342
CHP plants	239	-	-	232	367546	-	1521	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	1515	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	988	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	2767	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	131412	-	-	-	-	-
ENERGY IND. OWN USE	211	-	-	-	512331	-	-	-	28917	-
Fuel mining and extraction	27	-	-	-	-	-	-	-	10861	-
Oil refineries	184	-	-	-	-	-	-	-	4383	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	7197	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	512331	-	-	-	6476	-
Losses	-	-	115	-	2218	-	-	-	99663	-
FINAL CONSUMPTION	3029	5887	5860	8868	1850473	24028	-	-	491115	-
INDUSTRY	2459	-	5860	1641	1461421	-	-	-	195347	-
Iron and steel	55	-	178	-	121264	-	-	-	23294	-
Chemical and petrochemical	341	-	89	1641	2502	-	-	-	22102	-
Non-ferrous metals	1300	-	626	-	433	-	-	-	27112	-
Non-metallic minerals	56	-	3915	-	101187	-	-	-	10352	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	158	-	506	-	-	-	-	-	11821	-
Food and tobacco	91	-	96	-	824104	-	-	-	26913	-
Paper, pulp and print	384	-	-	-	374707	-	-	-	22708	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	16	-	-	-	2466	-	-	-	6250	-
Non-specified	58	-	450	-	34758	-	-	-	44795	-
TRANSPORT	539	-	-	-	-	24028	-	-	2584	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	24028	-	-	-	-
Rail	-	-	-	-	-	-	-	-	2055	-
Pipeline transport	-	-	-	-	-	-	-	-	529	-
Domestic navigation	539	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	31	-	-	-	389052	-	-	-	293184	-
Residential	-	-	-	-	271842	-	-	-	132916	-
Comm. and public services	19	-	-	-	7264	-	-	-	132497	-
Agriculture/forestry	12	-	-	-	109946	-	-	-	27771	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	5887	-	7227	-	-	-	-	-	-
in industry/transf./energy	-	5887	-	7227	-	-	-	-	-	-
of which: chem./petrochem.	-	5887	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Brazil: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	99	3227	1492	10667	-	-	77145	94737	-	1056686
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	11566	9200	205	-	731	-	-	-	-	-	415434
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	100	-47	185	-	148	-	-	-	-	-	-
DOMESTIC SUPPLY	11666	9252	3617	1492	11546	-	-	77145	94737	-	1472120

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	133314	4068	-	-	5379	4223	20480	4919	5	34141
From other sources	300	-	3363	-	-	-	-	-	-	-
Imports	7348	-	-	-	-	1812	3323	455	-	10882
Exports	-52854	-	-	-	-	-1	-349	-31	-	-421
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-156
Intl. aviation bunkers	-	-	-	-	-	-	-	-2122	-	-
Stock changes	221	-	-	-	-	-61	-49	-61	-	-59
DOMESTIC SUPPLY	88329	4068	3363	-	5379	5973	23405	3160	5	44387
Transfers	-2339	-2999	2693	-	-	1486	456	-	-	-355

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	11976	2247	5131	4916	2920951	24417	11499	-	588035	3805
From other sources	-	-	-	..	-	-	-	-	-	-
Imports	75	7676	2320	612	-	1444	-	-	36511	-
Exports	-3977	-	-692	-505	-	-1099	-	-	-156	-
Intl. marine bunkers	-3320	-	-	..	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	..	-	-	-	-	-	-
Stock changes	-67	39	6	-28	-	-329	-	-	-	-
DOMESTIC SUPPLY	4687	9962	6765	4995	2920951	24433	11499	-	624390	3805
Transfers	-	111	-	949	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

People's Republic of China

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	547017	2510708	..	..	461381	15279	271415	1536430	3699410	-	5328291
From other sources	-	210482	..	..	-	-	-	-	-	-	98084
Imports	59307	196297	..	..	1	56	-	-	-	-	2747757
Exports	-1203	-7448	..	..	-10119	-138	-	-	-	-	-131548
Intl. marine bunkers	-	-	..	..	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	..	..	-	-	-	-	-	-	-
Stock changes	-3885	131497	..	..	15290	-36	-	-	-	-	-
DOMESTIC SUPPLY	601236	3041536	..	..	466553	15161	271415	1536430	3699410	-	8042584
Transfers	-	-	..	..	-1695	-	-	-	-	-	-
Statistical differences	-54	76925	..	..	358	130	-1966	-13919	-174439	-	-124892
TRANSFORMATION	593704	2052175	..	..	301341	-	98084	462998	1031461	-	1556269
Electricity plants	32	1087896	..	..	-	-	-	356169	766203	-	802851
CHP plants	28	901045	..	..	-	-	-	-	-	-	744954
Heat plants	-	-	..	..	-	-	-	106829	265258	-	-
Blast furnaces	-	-	..	..	301311	-	-	-	-	-	-
Gas works	167	20668	..	..	19	-	-	-	-	-	8464
Coke/pat.fuel/BKB/PB plants	593285	31513	..	..	11	-	-	-	-	-	-
Oil refineries	-	-	..	..	-	-	-	-	-	-	-
Petrochemical plants	-	-	..	..	-	-	-	-	-	-	-
Liquefaction plants	192	11053	..	..	-	-	-	-	-	-	-
Other transformation	-	-	..	..	-	-	98084	-	-	-	-
ENERGY IND. OWN USE	1014	67138	..	..	2994	884	8415	201392	-	-	1005178
Fuel mining and extraction	141	32964	..	..	771	112	-	9375	-	-	441567
Oil refineries	-	-	..	..	-	-	-	-	-	-	452981
Elec., CHP and heat plants	13	9674	..	..	375	6	-	-	-	-	4534
Pumped storage plants	-	-	..	..	-	-	-	-	-	-	-
Other energy ind. own use	860	24500	..	..	1848	766	8415	192017	-	-	106096
Losses	-	-	..	..	-	-	-	-	-	-	93315
FINAL CONSUMPTION	6464	999148	..	..	160881	14407	162950	858121	2493510	-	5262930
INDUSTRY	5605	737394	..	..	133739	8396	111730	797147	2493510	-	1979503
Iron and steel	3561	100917	..	..	85878	2490	-	627056	2493510	-	196540
Chemical and petrochemical	632	162345	..	..	19514	4128	15054	68433	-	-	483642
Non-ferrous metals	253	19503	..	..	5520	77	64637	17363	-	-	157016
Non-metallic minerals	793	283764	..	..	9562	761	14783	64969	-	-	300652
Transport equipment	4	2563	..	..	1250	11	254	588	-	-	121025
Machinery	124	10363	..	..	8453	48	9134	5077	-	-	248519
Mining and quarrying	124	9027	..	..	1693	103	1627	5829	-	-	42888
Food and tobacco	46	41984	..	..	1458	189	2426	429	-	-	123576
Paper, pulp and print	20	15659	..	..	18	124	2	5	-	-	46554
Wood and wood products	-	3478	..	..	26	8	2	78	-	-	9542
Construction	10	8053	..	..	71	-	-	-	-	-	7579
Textile and leather	8	15550	..	..	36	222	82	6424	-	-	82914
Non-specified	30	64188	..	..	260	235	3729	896	-	-	159056
TRANSPORT	-	-	..	..	32	-	-	-	-	-	811015
Domestic aviation	-	-	..	..	-	-	-	-	-	-	-
Road	-	-	..	..	-	-	-	-	-	-	795075
Rail	-	-	..	..	28	-	-	-	-	-	-
Pipeline transport	-	-	..	..	-	-	-	-	-	-	15940
Domestic navigation	-	-	..	..	-	-	-	-	-	-	-
Non-specified	-	-	..	..	4	-	-	-	-	-	-
OTHER	11	199827	..	..	1275	6011	51220	28665	-	-	1993266
Residential	-	89336	..	..	274	5580	45461	26315	-	-	1478392
Comm. and public services	-	38142	..	..	470	310	5759	2350	-	-	510626
Agriculture/forestry	-	27781	..	..	531	-	-	-	-	-	4248
Fishing	-	-	..	..	-	-	-	-	-	-	-
Non-specified	11	44568	..	..	-	121	-	-	-	-	-
NON-ENERGY USE	848	61927	..	..	25835	-	-	32309	-	-	479146
in industry/transf./energy	848	61927	..	..	25835	-	-	32309	-	-	479146
of which: chem./petrochem.	-	-	..	..	-	-	-	-	-	-	479146
in transport	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	199685	203	-	-	17725	28004	129310	37754	1712	176426
From other sources	3439	-	-	-	-	-	-	-	-	-
Imports	381007	-	-	-	-	16785	208	3494	27	916
Exports	-2941	-	-	-	-	-1323	-9693	-13099	-1	-15403
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-412
Intl. aviation bunkers	-	-	-	-	-	-	-	-8363	-	-
Stock changes	-17428	-	-	-	-	-160	-1542	-	-182	2883
DOMESTIC SUPPLY	563762	203	-	-	17725	43306	118283	19786	1556	164410
Transfers	-3439	-203	1695	-	-	401	-	-	-	2077
Statistical differences	-63	-	-	-	-25	-239	368	-	-	784
TRANSFORMATION	553554	-	1695	-	2098	36	-	-	-	353
Electricity plants	131	-	-	-	564	1	-	-	-	292
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	1534	35	-	-	-	61
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	553423	-	1695	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	3201	-	-	-	14668	3721	1	-	17	2565
Fuel mining and extraction	3201	-	-	-	-	7	-	-	16	2022
Oil refineries	-	-	-	-	14668	3713	-	-	-	192
Elec., CHP and heat plants	-	-	-	-	-	-	1	-	-	331
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	1	-	-	1	20
Losses	404	-	-	-	-	12	-	-	-	-
FINAL CONSUMPTION	3101	-	-	-	934	39699	118650	19786	1539	164353
INDUSTRY	2831	-	-	-	621	4534	-	-	252	16077
Iron and steel	-	-	-	-	-	181	-	-	2	599
Chemical and petrochemical	-	-	-	-	467	3012	-	-	11	571
Non-ferrous metals	-	-	-	-	-	31	-	-	9	391
Non-metallic minerals	-	-	-	-	-	749	-	-	16	2876
Transport equipment	-	-	-	-	-	49	-	-	31	537
Machinery	-	-	-	-	-	209	-	-	50	1290
Mining and quarrying	-	-	-	-	-	1	-	-	6	2338
Food and tobacco	-	-	-	-	-	29	-	-	5	680
Paper, pulp and print	-	-	-	-	-	14	-	-	4	229
Wood and wood products	-	-	-	-	-	6	-	-	1	206
Construction	-	-	-	-	-	148	-	-	100	5613
Textile and leather	-	-	-	-	-	36	-	-	2	291
Non-specified	2831	-	-	-	154	69	-	-	15	456
TRANSPORT	-	-	-	-	-	1030	116262	19786	-	118343
Domestic aviation	-	-	-	-	-	-	-	19786	-	-
Road	-	-	-	-	-	1030	116262	-	-	97033
Rail	-	-	-	-	-	-	-	-	-	3098
Pipeline transport	-	-	-	-	-	-	-	-	-	1
Domestic navigation	-	-	-	-	-	-	-	-	-	16330
Non-specified	-	-	-	-	-	-	-	-	-	1881
OTHER	-	-	-	-	-	31293	2244	-	1264	29589
Residential	-	-	-	-	-	29554	-	-	264	3807
Comm. and public services	-	-	-	-	-	1671	-	-	978	10823
Agriculture/forestry	-	-	-	-	-	68	2244	-	22	14959
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	270	-	-	-	313	2842	144	-	23	344
in industry/transf./energy	270	-	-	-	313	2842	144	-	23	344
of which: chem./petrochem.	270	-	-	-	313	2842	144	-	23	344
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	18558	41594	19509	62645	4115675	3400	303124	213315	6217907	4313195
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	11744	6699	4316	9655	-	-	-	-	6185	-
Exports	-9856	-75	-2578	-1016	-	-	-	-	-18907	-
Intl. marine bunkers	-9251	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	64	-310	442	-546	-	-	-	-	-	-
DOMESTIC SUPPLY	11259	47908	21689	70738	4115675	3400	303124	213315	6205185	4313195
Transfers	-	1040	-	124	-	-	-	-	-	-
Statistical differences	1990	-107	8	-175	-	-	-	-493	-96	-
TRANSFORMATION	1896	-	3307	201	950622	-	-	212822	-	-
Electricity plants	311	-	1516	29	931820	-	-	164349	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	1585	-	1791	172	18802	-	-	48473	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	1080	-	-	9519	-	-	-	-	721754	496247
Fuel mining and extraction	340	-	-	194	-	-	-	-	131022	28728
Oil refineries	728	-	-	9316	-	-	-	-	83608	387039
Elec., CHP and heat plants	11	-	-	9	-	-	-	-	448929	79775
Pumped storage plants	-	-	-	-	-	-	-	-	42520	-
Other energy ind. own use	1	-	-	-	-	-	-	-	15675	705
Losses	-	-	-	-	-	-	-	-	306293	47892
FINAL CONSUMPTION	10273	48841	18390	60967	3165053	3400	303124	-	5177042	3769056
INDUSTRY	3439	-	5611	21226	-	-	-	-	3308367	2530787
Iron and steel	29	-	-	19	-	-	-	-	528167	203073
Chemical and petrochemical	214	-	-	10124	-	-	-	-	560208	1313970
Non-ferrous metals	418	-	-	81	-	-	-	-	576342	152437
Non-metallic minerals	1812	-	-	218	-	-	-	-	318799	13008
Transport equipment	40	-	-	22	-	-	-	-	100938	42261
Machinery	120	-	-	107	-	-	-	-	435821	45476
Mining and quarrying	5	-	-	2	-	-	-	-	98064	36363
Food and tobacco	61	-	-	4	-	-	-	-	114231	151398
Paper, pulp and print	57	-	-	5	-	-	-	-	79141	205368
Wood and wood products	6	-	-	-	-	-	-	-	34711	10045
Construction	519	-	-	813	-	-	-	-	72562	9489
Textile and leather	69	-	-	18	-	-	-	-	197387	320204
Non-specified	89	-	5611	9813	-	-	-	-	191996	27695
TRANSPORT	5013	-	-	-	-	3400	-	-	113297	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	3400	-	-	43683	-
Rail	-	-	-	-	-	-	-	-	69614	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	5013	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1178	-	-	1	3165053	-	303124	-	1755378	1238269
Residential	-	-	-	-	3165053	-	303124	-	842060	986226
Comm. and public services	1168	-	-	1	-	-	-	-	332949	98062
Agriculture/forestry	10	-	-	-	-	-	-	-	109191	1280
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	471178	152701
NON-ENERGY USE	643	48841	12779	39740	-	-	-	-	-	-
in industry/transf./energy	643	48841	12779	11629	-	-	-	-	-	-
of which: chem./petrochem.	643	48841	-	10073	-	-	-	-	-	-
in transport	-	-	-	1669	-	-	-	-	-	-
in other	-	-	-	26442	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

People's Republic of China: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	539578	2619052	..	..	..	..	..	..	..	..	5515588
From other sources	..	217428	..	..	..	..	..	..	..	..	..
Imports	69899	201205	..	..	..	..	..	..	..	..	3489649
Exports	-2229	-5816	..	..	..	..	..	..	..	..	-131159
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..	..
Stock changes	-	14583	..	..	..	..	..	..	..	..	..
DOMESTIC SUPPLY	607248	3046452	..	..	..	..	..	..	..	..	..

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	191506	203	-	-	..	..	..	..	..	..
From other sources	3439	-	-	-	..	..	..	..	..	..
Imports	..	..	..	..	..	..	..	..	..	..
Exports	..	..	..	..	..	..	..	..	..	..
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..
Stock changes	..	..	..	..	..	..	..	..	..	..
DOMESTIC SUPPLY	..	..	..	..	..	..	..	..	..	..
Transfers	..	..	..	..	..	..	..	..	..	..

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	6495140	..
From other sources	-	..
Imports
Exports
Intl. marine bunkers	-	..
Intl. aviation bunkers	-	..
Stock changes	-	..
DOMESTIC SUPPLY
Transfers

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

India

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	57136	601131	-	45230	33983	185	974	172109	368003	-	1205880
From other sources	-	8183	-	-	-	-	-	-	-	-	-
Imports	47041	75777	70824	-	3072	-	-	-	-	-	982130
Exports	-27	-911	-	-1	-149	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-2462	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	101688	684180	70824	45229	36906	185	974	172109	368003	-	2188010
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	3	-	-	-	-	-	-	-
TRANSFORMATION	93420	503862	70824	40889	30417	-	-	34422	-	-	663054
Electricity plants	44873	500367	70824	40243	-	-	-	34422	-	-	663054
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	3390	-	-	30417	-	-	-	-	-	-
Gas works	-	105	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	48547	-	-	646	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	55	292	-	20	-	-	-	68843	-	-	30009
Fuel mining and extraction	55	292	-	-	-	-	-	-	-	-	30009
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	20	-	-	-	68843	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	8213	180026	-	4323	6489	185	974	68844	368003	-	1494947
INDUSTRY	8213	150083	-	4323	6489	-	974	68844	368003	-	355614
Iron and steel	4534	69172	-	13	6489	-	974	68844	368003	-	-
Chemical and petrochemical	1025	1671	-	246	-	-	-	-	-	-	-
Non-ferrous metals	-	452	-	1093	-	-	-	-	-	-	-
Non-metallic minerals	-	34881	-	661	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	1244	-	458	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	274	-	1852	-	-	-	-	-	-	-
Non-specified	2654	42389	-	-	-	-	-	-	-	-	355614
TRANSPORT	-	-	-	-	-	-	-	-	-	-	118745
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	99885
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	18860
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	29943	-	-	-	185	-	-	-	-	79872
Residential	-	6460	-	-	-	185	-	-	-	-	34956
Comm. and public services	-	11179	-	-	-	-	-	-	-	-	37588
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	7328
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	12304	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	940716
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	940716
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	940716
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

India

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	36009	4295	-	-	12268	9238	36593	13828	6008	103734
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	213932	-	-	-	-	11026	476	338	-	996
Exports	-	-	-	-	-	-317	-13020	-7270	-15	-27452
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-41
Intl. aviation bunkers	-	-	-	-	-	-	-	-4899	-	-
Stock changes	-339	-	-	-	-	-298	-284	-57	-109	-314
DOMESTIC SUPPLY	249602	4295	-	-	12268	19649	23765	1940	5884	76923
Transfers	-	-4295	8383	-	-	2088	-	3	33	8
Statistical differences	-4240	-	-	-	-	-200	-	156	-520	-1077
TRANSFORMATION	245362	-	8383	-	-	2	-	-	-	7243
Electricity plants	-	-	-	-	-	2	-	-	-	7243
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	245362	-	8383	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	12268	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	12268	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	21535	23765	2099	5397	68611
INDUSTRY	-	-	-	-	-	174	-	-	-	3975
Iron and steel	-	-	-	-	-	139	-	-	-	178
Chemical and petrochemical	-	-	-	-	-	12	-	-	-	125
Non-ferrous metals	-	-	-	-	-	-	-	-	-	28
Non-metallic minerals	-	-	-	-	-	-	-	-	-	168
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	20	-	-	-	146
Mining and quarrying	-	-	-	-	-	-	-	-	-	1226
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	337
Textile and leather	-	-	-	-	-	2	-	-	-	37
Non-specified	-	-	-	-	-	1	-	-	-	1730
TRANSPORT	-	-	-	-	-	168	23765	2099	-	55147
Domestic aviation	-	-	-	-	-	-	-	2099	-	-
Road	-	-	-	-	-	167	23765	-	-	52192
Rail	-	-	-	-	-	1	-	-	-	2651
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	302
Non-specified	-	-	-	-	-	-	-	-	-	2
OTHER	-	-	-	-	-	21193	-	-	5397	9489
Residential	-	-	-	-	-	18871	-	-	5204	-
Comm. and public services	-	-	-	-	-	1776	-	-	77	-
Agriculture/forestry	-	-	-	-	-	8	-	-	-	9489
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	538	-	-	116	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

India

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	9962	18786	13936	28153	7945564	1014	20016	29952	1477564	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	956	2693	12583	6347	-	3	-	-	5617	-
Exports	-2248	-8727	-3685	-4054	-	-47	-	-	-6710	-
Intl. marine bunkers	-1504	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-13	-98	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	7153	12654	22834	30446	7945564	970	20016	29952	1476471	-
Transfers	-	1160	-	-7380	-	-	-	-	-	-
Statistical differences	29	-640	420	-7092	-	-52	-	-	-	-
TRANSFORMATION	377	60	-	-	1151496	-	20016	29952	-	-
Electricity plants	377	60	-	-	980640	-	20016	29952	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	170856	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	106115	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	4356	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	101170	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	589	-
Losses	-	-	-	-	-	-	-	-	260363	-
FINAL CONSUMPTION	6805	13114	23254	15974	6794068	918	-	-	1109993	-
INDUSTRY	4031	3530	23254	-	1322583	-	-	-	422749	-
Iron and steel	356	-	-	-	-	-	-	-	66141	-
Chemical and petrochemical	842	3530	-	-	-	-	-	-	42776	-
Non-ferrous metals	82	-	-	-	-	-	-	-	20767	-
Non-metallic minerals	306	-	7643	-	-	-	-	-	22954	-
Transport equipment	-	-	-	-	-	-	-	-	13982	-
Machinery	235	-	-	-	-	-	-	-	10459	-
Mining and quarrying	151	-	-	-	-	-	-	-	60	-
Food and tobacco	4	-	-	-	-	-	-	-	20951	-
Paper, pulp and print	-	-	-	-	-	-	-	-	6462	-
Wood and wood products	-	-	-	-	-	-	-	-	1049	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	415	-	-	-	-	-	-	-	38829	-
Non-specified	1640	-	15611	-	1322583	-	-	-	178319	-
TRANSPORT	454	-	-	-	-	918	-	-	17217	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	2	-	-	-	-	918	-	-	-	-
Rail	3	-	-	-	-	-	-	-	17217	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	407	-	-	-	-	-	-	-	-	-
Non-specified	42	-	-	-	-	-	-	-	-	-
OTHER	1831	-	-	-	5471485	-	-	-	670027	-
Residential	-	-	-	-	5180715	-	-	-	273692	-
Comm. and public services	-	-	-	-	290770	-	-	-	112714	-
Agriculture/forestry	206	-	-	-	-	-	-	-	195473	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	1625	-	-	-	-	-	-	-	88148	-
NON-ENERGY USE	489	9584	-	15974	-	-	-	-	-	-
in industry/transf./energy	489	9584	-	15974	-	-	-	-	-	-
of which: chem./petrochem.	489	9584	-	2140	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

India: provisional energy supply for 2017

SUPPLY	Coal (kt)					Coal gases (TJ)			Peat (kt)	Natural gas (TJ)	
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas			Recovered gases ¹
Production	40920	635558	-	47452	..	..	..	..	..	..	1229982
From other sources	..	5861	..	..	..	..	..	..	..	..	..
Imports	47003	84282	76987	-	..	..	..	..	..	..	1011609
Exports	-68	-1435	-	-	..	..	..	..	..	..	-
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..	..
Stock changes	660	4386	-	-	..	..	..	..	..	..	..
DOMESTIC SUPPLY	88515	728652	76987	47452	..	..	..	..	..	..	..

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	35960	4631	-	-	..	..	..	..	..	..
From other sources	-	-	-	-	..	..	..	..	..	..
Imports	..	..	..	..	..	..	..	..	..	..
Exports	..	..	..	..	..	..	..	..	..	..
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..
Stock changes	..	..	..	..	..	..	..	..	..	..
DOMESTIC SUPPLY	..	..	..	..	..	..	..	..	..	..
Transfers	..	..	..	..	..	..	..	..	..	..

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production
From other sources
Imports
Exports
Intl. marine bunkers
Intl. aviation bunkers
Stock changes
DOMESTIC SUPPLY
Transfers

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	3340	129436	330701	-	-	30	-	-	-	-	3003198
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	3899	-	-	-	-	-	-	-	-	-	-
Exports	-3340	-129046	-240530	-	-	-	-	-	-	-	-1184655
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	3899	390	90171	-	-	30	-	-	-	-	1818543
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-152051
TRANSFORMATION	-	-	75441	-	-	-	-	-	-	-	661788
Electricity plants	-	-	75400	-	-	-	-	-	-	-	661788
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	41	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	366815
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	232888
Oil refineries	-	-	-	-	-	-	-	-	-	-	105454
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	28473
Losses	-	-	-	-	-	-	-	-	-	-	10029
FINAL CONSUMPTION	3899	390	14730	-	-	30	-	-	-	-	627860
INDUSTRY	3899	390	14730	-	-	30	-	-	-	-	456217
Iron and steel	-	390	-	-	-	-	-	-	-	-	4019
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	134788
Non-ferrous metals	3899	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	10540	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	4190	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	30	-	-	-	-	317410
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1575
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1575
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	9019
Residential	-	-	-	-	-	-	-	-	-	-	877
Comm. and public services	-	-	-	-	-	-	-	-	-	-	8142
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	161049
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	161049
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	161049
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	40421	1410	-	-	655	831	11783	2875	834	16850
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	20158	-	5128	-	-	4476	11569	790	-	4849
Exports	-16691	-	-	-	-	-	-1	-2	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-109
Intl. aviation bunkers	-	-	-	-	-	-	-	-872	-	-
Stock changes	528	-	-	-	-	-74	-	-	-	-
DOMESTIC SUPPLY	44416	1410	5128	-	655	5233	23351	2791	834	21590
Transfers	-	-1410	-	-	-	1410	-	-	-	-
Statistical differences	222	-	-	-	-	-1	717	39	-354	3144
TRANSFORMATION	43366	-	5128	-	-	-	-	-	-	2801
Electricity plants	-	-	-	-	-	-	-	-	-	2801
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	43366	-	5128	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	655	-	-	-	-	55
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	655	-	-	-	-	55
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	1272	-	-	-	-	6642	24068	2830	480	21878
INDUSTRY	-	-	-	-	-	96	-	-	27	3698
Iron and steel	-	-	-	-	-	-	-	-	-	163
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	342
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	500
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	55
Mining and quarrying	-	-	-	-	-	-	-	-	-	748
Food and tobacco	-	-	-	-	-	-	-	-	-	429
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	268
Textile and leather	-	-	-	-	-	-	-	-	-	826
Non-specified	-	-	-	-	-	96	-	-	27	367
TRANSPORT	-	-	-	-	-	-	24068	2830	-	15785
Domestic aviation	-	-	-	-	-	-	-	2830	-	-
Road	-	-	-	-	-	-	24068	-	-	13436
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	2349
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	6546	-	-	453	2395
Residential	-	-	-	-	-	6370	-	-	411	-
Comm. and public services	-	-	-	-	-	176	-	-	23	529
Agriculture/forestry	-	-	-	-	-	-	-	-	-	1866
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	19	-
NON-ENERGY USE	1272	-	-	-	-	-	-	-	-	-
in industry/transf./energy	1272	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	1272	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	7048	1929	-	3291	2321282	3253	-	108	248613	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	266	-	-	-	-	-	-	-	1	-
Exports	-4049	-	-	-	-11427	-425	-	-	-	-
Intl. marine bunkers	-137	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-151	-	-	-	-
DOMESTIC SUPPLY	3128	1929	-	3291	2309855	2677	-	108	248614	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	401	-	-	-	-	-1	-	-	-4	-
TRANSFORMATION	894	-	-	-	45116	282	-	108	-	-
Electricity plants	894	-	-	-	10512	282	-	108	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	34604	-	-	-	-	-
ENERGY IND. OWN USE	1474	57	-	-	-	-	-	-	9900	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	1474	57	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	9900	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	22706	-
FINAL CONSUMPTION	1161	1872	-	3291	2264739	2394	-	-	216004	-
INDUSTRY	984	-	-	2689	259605	-	-	-	68145	-
Iron and steel	271	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	168	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	211	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	49	-	-	-	-	-	-	-	-	-
Food and tobacco	65	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	68	-	-	-	-	-	-	-	-	-
Non-specified	152	-	-	2689	259605	-	-	-	68145	-
TRANSPORT	19	-	-	-	-	2394	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	2394	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	19	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	158	-	-	-	2005134	-	-	-	147859	-
Residential	-	-	-	-	1996936	-	-	-	90940	-
Comm. and public services	-	-	-	-	8198	-	-	-	54224	-
Agriculture/forestry	-	-	-	-	-	-	-	-	2695	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	158	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	1872	-	602	-	-	-	-	-	-
in industry/transf./energy	-	1872	-	602	-	-	-	-	-	-
of which: chem./petrochem.	-	1872	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Indonesia: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	1840	140242	345525	-	..	..	..	..	..	..	3018204
From other sources	..	..	..	..	..	..	..	..	..	..	..
Imports	3741	-	-	-	..	..	..	..	..	..	-
Exports	-1840	-139942	-248795	-	..	..	..	..	..	..	-1160957
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..	..
Stock changes	-	-	-	-	..	..	..	..	..	..	..
DOMESTIC SUPPLY	3741	300	96730	-	..	..	..	..	..	..	..

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	38962	1410	-	-	..	..	..	..	..	..
From other sources	-	-	-	-	..	..	..	..	..	..
Imports	..	..	..	..	..	..	..	..	..	..
Exports	..	..	..	..	..	..	..	..	..	..
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..
Stock changes	..	..	..	..	..	..	..	..	..	..
DOMESTIC SUPPLY	..	..	..	..	..	..	..	..	..	..
Transfers	..	..	..	..	..	..	..	..	..	..

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production
From other sources
Imports
Exports
Intl. marine bunkers
Intl. aviation bunkers
Stock changes
DOMESTIC SUPPLY
Transfers

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Morocco

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	2836
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	6724	-	-	-	-	-	-	-	-	45198
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-234	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	6490	-	-	-	-	-	-	-	-	48034
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-130
TRANSFORMATION	-	6463	-	-	-	-	-	-	-	-	45068
Electricity plants	-	6463	-	-	-	-	-	-	-	-	45068
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	27	-	-	-	-	-	-	-	-	2836
INDUSTRY	-	27	-	-	-	-	-	-	-	-	2836
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	3	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	1046
Food and tobacco	-	24	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	1790
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Morocco

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	5	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	2472	649	640	-	5536
Exports	-	-	-	-	-	-	-1	-9	-	-1
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-23
Intl. aviation bunkers	-	-	-	-	-	-	-	-642	-	-
Stock changes	-	-	-	-	-	-7	24	36	-	131
DOMESTIC SUPPLY	5	-	-	-	-	2465	672	25	-	5643
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-5	-	-	-	-	-	35	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	12
Electricity plants	-	-	-	-	-	-	-	-	-	12
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	2465	707	25	-	5631
INDUSTRY	-	-	-	-	-	125	2	-	-	237
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	24	-	-	-	2
Non-ferrous metals	-	-	-	-	-	26	-	-	-	3
Non-metallic minerals	-	-	-	-	-	45	-	-	-	10
Transport equipment	-	-	-	-	-	1	-	-	-	3
Machinery	-	-	-	-	-	1	-	-	-	-
Mining and quarrying	-	-	-	-	-	3	-	-	-	136
Food and tobacco	-	-	-	-	-	13	1	-	-	17
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	5	1	-	-	45
Textile and leather	-	-	-	-	-	6	-	-	-	2
Non-specified	-	-	-	-	-	1	-	-	-	19
TRANSPORT	-	-	-	-	-	-	691	25	-	4628
Domestic aviation	-	-	-	-	-	-	-	25	-	-
Road	-	-	-	-	-	-	691	-	-	4619
Rail	-	-	-	-	-	-	-	-	-	9
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	2340	14	-	-	766
Residential	-	-	-	-	-	2173	-	-	-	-
Comm. and public services	-	-	-	-	-	81	-	-	-	46
Agriculture/forestry	-	-	-	-	-	86	14	-	-	720
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Morocco

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	53552	-	-	3009	32141	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1518	-	1179	530	-	-	-	-	5289	-
Exports	-	-	-	-1	-	-	-	-	-135	-
Intl. marine bunkers	-114	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-129	-	29	1	-	-	-	-	-	-
DOMESTIC SUPPLY	1275	-	1208	530	53552	-	-	3009	37295	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	1	-
TRANSFORMATION	771	-	-	-	1321	-	-	-	-	-
Electricity plants	771	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	1321	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	579	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	50	-
Pumped storage plants	-	-	-	-	-	-	-	-	529	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	5654	-
FINAL CONSUMPTION	504	-	1208	530	52231	-	-	3009	31063	-
INDUSTRY	503	-	1208	-	1274	-	-	3009	11190	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	24	-	-	-	-	-	-	360	1026	-
Non-ferrous metals	21	-	6	-	-	-	-	-	1323	-
Non-metallic minerals	114	-	1202	-	1029	-	-	2649	2171	-
Transport equipment	-	-	-	-	-	-	-	-	186	-
Machinery	-	-	-	-	-	-	-	-	594	-
Mining and quarrying	168	-	-	-	-	-	-	-	2667	-
Food and tobacco	124	-	-	-	170	-	-	-	1649	-
Paper, pulp and print	18	-	-	-	-	-	-	-	290	-
Wood and wood products	-	-	-	-	9	-	-	-	31	-
Construction	2	-	-	-	25	-	-	-	282	-
Textile and leather	32	-	-	-	41	-	-	-	754	-
Non-specified	-	-	-	-	-	-	-	-	217	-
TRANSPORT	-	-	-	-	-	-	-	-	352	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	352	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1	-	-	4	50957	-	-	-	19521	-
Residential	-	-	-	4	23573	-	-	-	10469	-
Comm. and public services	1	-	-	-	27385	-	-	-	5154	-
Agriculture/forestry	-	-	-	-	-	-	-	-	3898	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	526	-	-	-	-	-	-
in industry/transf./energy	-	-	-	526	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Morocco: provisional energy supply for 2017

SUPPLY	Coal (kt)					Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas			Recovered gases ^{1}
Production	-	-	-	-	2870
From other sources
Imports	-	6809	-	-	..	..	..	..	..	44819
Exports	-	-	-	-	-
Intl. marine bunkers
Intl. aviation bunkers
Stock changes	-	-64	-	-	..	..	..	..	..	..
DOMESTIC SUPPLY	-	6745	-	-	..	..	..	..	..	..

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	5	-	-	-	..	..	..	..	..	..
From other sources	-	-	-	-	..	..	..	..	..	..
Imports	..	..	..	..	..	..	..	..	..	..
Exports	..	..	..	..	..	..	..	..	..	..
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..
Stock changes	..	..	..	..	..	..	..	..	..	..
DOMESTIC SUPPLY	..	..	..	..	..	..	..	..	..	..
Transfers	..	..	..	..	..	..	..	..	..	..

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	33062	-
From other sources	-	-
Imports	6058	-
Exports	-161	-
Intl. marine bunkers	-	-
Intl. aviation bunkers	-	-
Stock changes	-	-
DOMESTIC SUPPLY	38959	-
Transfers

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Singapore

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	681	-	-	11	-	-	-	-	-	405303
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	1733
DOMESTIC SUPPLY	-	681	-	-	11	-	-	-	-	-	407036
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	1	-	-	-	-	-	-	-	-	-1700
TRANSFORMATION	-	421	-	-	-	-	-	-	-	-	350192
Electricity plants	-	421	-	-	-	-	-	-	-	-	350192
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	504
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	504
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	261	-	-	11	-	-	-	-	-	54640
INDUSTRY	-	261	-	-	11	-	-	-	-	-	47052
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	257
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	261	-	-	11	-	-	-	-	-	46795
TRANSPORT	-	-	-	-	-	-	-	-	-	-	469
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	469
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	7119
Residential	-	-	-	-	-	-	-	-	-	-	2548
Comm. and public services	-	-	-	-	-	-	-	-	-	-	4462
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	109
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Singapore

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	3155	333	9174	10176	266	12199
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	47928	-	-	-	-	9	15803	2941	20	18295
Exports	-736	-	-	-	-	-236	-24186	-5781	-286	-24637
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1991
Intl. aviation bunkers	-	-	-	-	-	-	-	-7336	-	-
Stock changes	-20	-	-	-	-	-	29	-	-	-268
DOMESTIC SUPPLY	47172	-	-	-	3155	106	820	-	-	3598
Transfers	-	-	7011	-	-	-	-	-	-	-1966
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	47172	-	7011	-	63	-	-	-	-	2
Electricity plants	-	-	-	-	63	-	-	-	-	2
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	47172	-	7011	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	1360	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	1360	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	1732	106	820	-	-	1630
INDUSTRY	-	-	-	-	1732	13	-	-	-	419
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	1732	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	13	-	-	-	419
TRANSPORT	-	-	-	-	-	-	820	-	-	1211
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	820	-	-	1176
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	35
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	93	-	-	-	-
Residential	-	-	-	-	-	24	-	-	-	-
Comm. and public services	-	-	-	-	-	69	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Singapore

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	4279	3667	137	7545	-	-	-	27436	51667	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	76964	6669	3	1336	2901	-	-	-	-	-
Exports	-31593	-1022	-	-8306	-	-	-	-	-	-
Intl. marine bunkers	-46624	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	408	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	3434	9314	140	575	2901	-	-	27436	51667	-
Transfers	-1966	-3080	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	60	-	-	-	2901	-	-	27436	-	-
Electricity plants	60	-	-	-	2901	-	-	27436	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	519	-	-	-	-	-	-	-	2067	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	519	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	2067	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	974	-
FINAL CONSUMPTION	889	6234	140	575	-	-	-	-	48626	-
INDUSTRY	889	-	140	-	-	-	-	-	18968	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	822	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	552	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	67	-	140	-	-	-	-	-	18416	-
TRANSPORT	-	-	-	-	-	-	-	-	2640	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	2640	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	27018	-
Residential	-	-	-	-	-	-	-	-	7589	-
Comm. and public services	-	-	-	-	-	-	-	-	19149	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	280	-
NON-ENERGY USE	-	6234	-	575	-	-	-	-	-	-
in industry/transf./energy	-	6234	-	575	-	-	-	-	-	-
of which: chem./petrochem.	-	6234	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Singapore: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-
From other sources
Imports	-	732	-	-	..	..	..	..	..	..	427614
Exports	-	-	-	-	-
Intl. marine bunkers
Intl. aviation bunkers
Stock changes	-	-	-	-
DOMESTIC SUPPLY	-	732	-	-	..	..	..	..	..	..	..

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ⁵
Production	-	-	-	-
From other sources	-	-	-	-
Imports
Exports
Intl. marine bunkers
Intl. aviation bunkers
Stock changes
DOMESTIC SUPPLY
Transfers

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production
From other sources
Imports
Exports
Intl. marine bunkers
Intl. aviation bunkers
Stock changes
DOMESTIC SUPPLY
Transfers

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

Thailand

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	16979	-	-	-	-	350	-	1176806
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	22581	-	55	30	-	-	-	-	-	541690
Exports	-	-34	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-4972	-	-92	36	-	-	-	-	-	-
DOMESTIC SUPPLY	-	17575	-	16942	66	-	-	-	350	-	1718496
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-1	-	-	-	-	-	-	-	-	-5147
TRANSFORMATION	-	8364	-	16406	31	-	-	-	-	-	1045586
Electricity plants	-	8364	-	16406	-	-	-	-	-	-	1045586
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	31	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	332921
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	332921
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	9210	-	536	35	-	-	-	350	-	334842
INDUSTRY	-	9210	-	536	35	-	-	-	350	-	153085
Iron and steel	-	-	-	-	35	-	-	-	350	-	16298
Chemical and petrochemical	-	-	-	5	-	-	-	-	-	-	35155
Non-ferrous metals	-	38	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	7767	-	473	-	-	-	-	-	-	43018
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	5328
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	486	-	7	-	-	-	-	-	-	6259
Paper, pulp and print	-	-	-	45	-	-	-	-	-	-	42251
Wood and wood products	-	-	-	-	-	-	-	-	-	-	732
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	6	-	-	-	-	-	-	1596
Non-specified	-	919	-	-	-	-	-	-	-	-	2448
TRANSPORT	-	-	-	-	-	-	-	-	-	-	104864
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	104864
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	59
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	59
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	76834
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	76834
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	76834
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Thailand

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	12860	6415	-	-	550	1975	7805	5262	1756	22110
From other sources	-	-	633	-	-	-	-	-	-	-
Imports	43862	-	-	-	-	456	1131	66	-	713
Exports	-1546	-54	-	-	-	-82	-1022	-417	-21	-4138
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-3941	-	-
Stock changes	6288	-15	-	-	-	-593	-1060	-62	-1726	-
DOMESTIC SUPPLY	61464	6346	633	-	550	1756	6854	908	9	18685
Transfers	-	-5803	-633	-	-	6436	-	-	-	-
Statistical differences	670	-	-	-	-	-	-114	-	1	-
TRANSFORMATION	61939	-	-	-	-	-	-	-	-	65
Electricity plants	-	-	-	-	-	-	-	-	-	65
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	61267	-	-	-	-	-	-	-	-	-
Petrochemical plants	672	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	550	137	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	550	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	137	-	-	-	-
Losses	195	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	543	-	-	-	8055	6740	908	10	18620
INDUSTRY	-	-	-	-	-	609	27	-	10	4090
Iron and steel	-	-	-	-	-	93	-	-	2	229
Chemical and petrochemical	-	-	-	-	-	190	-	-	2	257
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	61	-	-	2	277
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	62	-	-	2	312
Mining and quarrying	-	-	-	-	-	-	-	-	-	22
Food and tobacco	-	-	-	-	-	31	-	-	1	1109
Paper, pulp and print	-	-	-	-	-	6	-	-	1	158
Wood and wood products	-	-	-	-	-	1	-	-	-	186
Construction	-	-	-	-	-	-	-	-	-	111
Textile and leather	-	-	-	-	-	14	-	-	-	128
Non-specified	-	-	-	-	-	151	27	-	-	1301
TRANSPORT	-	-	-	-	-	1466	6676	908	-	11613
Domestic aviation	-	-	-	-	-	-	-	908	-	-
Road	-	-	-	-	-	1466	6676	-	-	11380
Rail	-	-	-	-	-	-	-	-	-	77
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	156
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	2110	37	-	-	2917
Residential	-	-	-	-	-	1427	-	-	-	-
Comm. and public services	-	-	-	-	-	681	-	-	-	-
Agriculture/forestry	-	-	-	-	-	2	37	-	-	2917
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	543	-	-	-	3870	-	-	-	-
in industry/transf./energy	-	543	-	-	-	3870	-	-	-	-
of which: chem./petrochem.	-	543	-	-	-	2763	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Thailand

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	5326	10478	-	3015	1075064	2026	33341	4395	191321	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	113	3980	-	59	1940	-	-	-	19825	-
Exports	-3059	-1945	-	-297	-708	-	-	-	-1385	-
Intl. marine bunkers	-1219	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-238	-	-	1	-	92	-	-	-	-
DOMESTIC SUPPLY	923	12513	-	2778	1076296	2118	33341	4395	209761	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	104	-	-	-	-	-	-1	12	-
TRANSFORMATION	75	-	-	-	595752	-	8282	1225	-	-
Electricity plants	75	-	-	-	402453	-	8282	1225	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	193299	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	3300	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	3300	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	12225	-
FINAL CONSUMPTION	848	12617	-	2778	480544	2118	25059	3169	194248	-
INDUSTRY	848	-	-	-	333214	-	25059	3169	88878	-
Iron and steel	115	-	-	-	-	-	-	-	9039	-
Chemical and petrochemical	69	-	-	-	-	-	-	-	14159	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	34	-	-	-	-	-	-	-	9094	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	31	-	-	-	-	-	-	-	21312	-
Mining and quarrying	3	-	-	-	-	-	-	-	-	-
Food and tobacco	222	-	-	-	147695	-	-	-	17791	-
Paper, pulp and print	35	-	-	-	-	-	-	-	3223	-
Wood and wood products	2	-	-	-	-	-	-	-	2328	-
Construction	8	-	-	-	-	-	-	-	-	-
Textile and leather	31	-	-	-	-	-	-	-	9040	-
Non-specified	298	-	-	-	185519	-	25059	3169	2892	-
TRANSPORT	-	-	-	-	-	2118	-	-	189	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	2118	-	-	-	-
Rail	-	-	-	-	-	-	-	-	189	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	147330	-	-	-	105181	-
Residential	-	-	-	-	147330	-	-	-	43932	-
Comm. and public services	-	-	-	-	-	-	-	-	54052	-
Agriculture/forestry	-	-	-	-	-	-	-	-	267	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	6930	-
NON-ENERGY USE	-	12617	-	2778	-	-	-	-	-	-
in industry/transf./energy	-	12617	-	2778	-	-	-	-	-	-
of which: chem./petrochem.	-	12617	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Thailand: provisional energy supply for 2017

SUPPLY	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	16280	..	..	..	..	..	..	1155609
From other sources	..	..	..	..	..	..	..	..	..	..	..
Imports	31	23344	-	180	..	..	..	..	..	..	595839
Exports	-	-46	-	-	..	..	..	..	..	..	-
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..	..
Stock changes	59	-5597	-	-145	..	..	..	..	..	..	..
DOMESTIC SUPPLY	90	17701	-	16315	..	..	..	..	..	..	..

SUPPLY	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	11963	6157	-	-	..	..	..	..	..	..
From other sources	-	-	-	-	..	..	..	..	..	..
Imports	..	..	..	..	..	..	..	..	..	..
Exports	..	..	..	..	..	..	..	..	..	..
Intl. marine bunkers	..	..	..	..	..	..	..	..	..	..
Intl. aviation bunkers	..	..	..	..	..	..	..	..	..	..
Stock changes	..	..	..	..	..	..	..	..	..	..
DOMESTIC SUPPLY	..	..	..	..	..	..	..	..	..	..
Transfers	..	..	..	..	..	..	..	..	..	..

SUPPLY	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	176988	389
From other sources	-	-
Imports	24156	-
Exports	-1105	-
Intl. marine bunkers	-	-
Intl. aviation bunkers	-	-
Stock changes	-	-
DOMESTIC SUPPLY	200039	389
Transfers

1. Includes blast furnace gas and other recovered gases.

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

5. Includes both primary and secondary solid biofuels.

OTHER NON-OECD COUNTRIES

Albania

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	6	-	-	-	-	-	-	-	-	1628
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	81	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	87	-	-	-	-	-	-	-	-	1628
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	1160
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	1160
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	87	-	-	-	-	-	-	-	-	468
INDUSTRY	-	81	-	-	-	-	-	-	-	-	468
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	81	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	343
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	125
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	6	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	6	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Albania

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	1056	-	-	-	2	-	-	-	-	18
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	189	133	10	-	743
Exports	-888	-	-	-	-	-	-	-	-	-4
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-34
Intl. aviation bunkers	-	-	-	-	-	-	-	-6	-	-
Stock changes	16	-	-	-	-	-49	-26	-3	-	-16
DOMESTIC SUPPLY	184	-	-	-	2	140	107	1	-	707
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-5	-	-	-	-	-	-	-	-	1
TRANSFORMATION	179	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	179	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	2	2	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	2	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	2	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	138	107	1	-	708
INDUSTRY	-	-	-	-	-	8	5	-	-	8
Iron and steel	-	-	-	-	-	-	-	-	-	1
Chemical and petrochemical	-	-	-	-	-	1	3	-	-	1
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	2
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	3	-	-	-	2
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	1
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	4	2	-	-	-
TRANSPORT	-	-	-	-	-	6	98	1	-	625
Domestic aviation	-	-	-	-	-	-	-	1	-	-
Road	-	-	-	-	-	6	94	-	-	594
Rail	-	-	-	-	-	-	-	-	-	2
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	4	-	-	29
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	124	4	-	-	75
Residential	-	-	-	-	-	85	-	-	-	-
Comm. and public services	-	-	-	-	-	36	-	-	-	-
Agriculture/forestry	-	-	-	-	-	3	-	-	-	49
Fishing	-	-	-	-	-	-	4	-	-	26
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Albania

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1	4	14	140	7787	-	-	-	7782	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	80	53	134	92	-	-	-	-
Exports	-	-1	-8	-6	-60	-	-	-	-42	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-3	-1	-29	-	-	-	-	-	-
DOMESTIC SUPPLY	1	-	85	158	7861	92	-	-	7740	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-1	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-216	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-216	-	-	-	-	-
ENERGY IND. OWN USE	1	-	-	16	-	-	-	-	821	-
Fuel mining and extraction	-	-	-	11	-	-	-	-	53	-
Oil refineries	-	-	-	-	-	-	-	-	28	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	646	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	1	-	-	5	-	-	-	-	94	-
Losses	-	-	-	2	-	-	-	-	1420	-
FINAL CONSUMPTION	-	-	85	139	8077	92	-	-	5499	-
INDUSTRY	-	-	85	21	419	-	-	-	1272	-
Iron and steel	-	-	3	1	-	-	-	-	180	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	92	-
Non-ferrous metals	-	-	-	-	-	-	-	-	91	-
Non-metallic minerals	-	-	80	-	-	-	-	-	99	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	9	-	-	-	-	109	-
Food and tobacco	-	-	2	1	419	-	-	-	291	-
Paper, pulp and print	-	-	-	-	-	-	-	-	120	-
Wood and wood products	-	-	-	-	-	-	-	-	11	-
Construction	-	-	-	1	-	-	-	-	94	-
Textile and leather	-	-	-	1	-	-	-	-	145	-
Non-specified	-	-	-	8	-	-	-	-	40	-
TRANSPORT	-	-	-	-	-	92	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	92	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	10	7658	-	-	-	4227	-
Residential	-	-	-	-	6238	-	-	-	2991	-
Comm. and public services	-	-	-	8	919	-	-	-	1154	-
Agriculture/forestry	-	-	-	2	501	-	-	-	82	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	108	-	-	-	-	-	-
in industry/transf./energy	-	-	-	104	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Algeria

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	3747688
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	78	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-2135142
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-78	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	1612546
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-1089
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	690487
Electricity plants	-	-	-	-	-	-	-	-	-	-	690487
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	177437
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	30271
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	147166
Losses	-	-	-	-	-	-	-	-	-	-	23781
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	719752
INDUSTRY	-	-	-	-	-	-	-	-	-	-	166258
Iron and steel	-	-	-	-	-	-	-	-	-	-	5945
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	1968
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	79907
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	21562
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	50051
Textile and leather	-	-	-	-	-	-	-	-	-	-	1340
Non-specified	-	-	-	-	-	-	-	-	-	-	5485
TRANSPORT	-	-	-	-	-	-	-	-	-	-	32196
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	32196
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	362953
Residential	-	-	-	-	-	-	-	-	-	-	321797
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	1884
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	39272
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	158345
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	158345
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	158345
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	50945	17924	-	-	351	765	2613	1656	21	8892
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	233	-	-	-	-	-	1608	-	-	1459
Exports	-25227	-5209	-	-	-	-7310	-	-1100	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-57
Intl. aviation bunkers	-	-	-	-	-	-	-	-460	-	-
Stock changes	105	95	-	-	-	-9	13	-53	-	-100
DOMESTIC SUPPLY	26056	12810	-	-	351	-6554	4234	43	21	10194
Transfers	-	-8694	-	-	-	8593	-	-	-	-
Statistical differences	708	-2	-	-	-	-135	53	-	-	128
TRANSFORMATION	25819	4097	-	-	-	-	-	-	-	408
Electricity plants	-	-	-	-	-	-	-	-	-	408
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	25819	4097	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	506	-	-	-	351	15	-	-	-	-
Fuel mining and extraction	23	-	-	-	-	-	-	-	-	-
Oil refineries	483	-	-	-	351	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	15	-	-	-	-
Losses	433	17	-	-	-	8	18	-	-	-
FINAL CONSUMPTION	6	-	-	-	-	1881	4269	43	21	9914
INDUSTRY	-	-	-	-	-	46	1	-	21	690
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	3
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	7
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	12	-	-	6	358
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	34	1	-	15	322
TRANSPORT	6	-	-	-	-	352	4224	43	-	8955
Domestic aviation	-	-	-	-	-	-	-	43	-	-
Road	-	-	-	-	-	352	4224	-	-	8925
Rail	-	-	-	-	-	-	-	-	-	30
Pipeline transport	6	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1483	44	-	-	269
Residential	-	-	-	-	-	1428	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	13	-	-	-	16
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	42	44	-	-	253
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	6870	7929	-	435	251	-	-	-	70997	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	146	-	-	360	-	-	-	-	257	-
Exports	-6940	-7924	-	-72	-	-	-	-	-507	-
Intl. marine bunkers	-182	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	97	-30	-	-1	-	-	-	-	-	-
DOMESTIC SUPPLY	-9	-25	-	722	251	-	-	-	70747	-
Transfers	-	101	-	-	-	-	-	-	-	-
Statistical differences	9	-	-	-69	-	-	-	-	-231	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	7546	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	409	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	6965	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	172	-
Losses	-	-	-	-	-	-	-	-	10682	-
FINAL CONSUMPTION	-	76	-	653	251	-	-	-	52288	-
INDUSTRY	-	-	-	21	167	-	-	-	18574	-
Iron and steel	-	-	-	-	-	-	-	-	178	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	1068	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	2636	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	1834	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	1626	-
Textile and leather	-	-	-	-	-	-	-	-	352	-
Non-specified	-	-	-	21	167	-	-	-	10880	-
TRANSPORT	-	-	-	112	-	-	-	-	1014	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	112	-	-	-	-	783	-
Pipeline transport	-	-	-	-	-	-	-	-	231	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	84	-	-	-	32700	-
Residential	-	-	-	-	84	-	-	-	20210	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	1419	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	11071	-
NON-ENERGY USE	-	76	-	520	-	-	-	-	-	-
in industry/transf./energy	-	76	-	520	-	-	-	-	-	-
of which: chem./petrochem.	-	76	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	64980
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-34580
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	30400
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	3007
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	3007
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	27393
INDUSTRY	-	-	-	-	-	-	-	-	-	-	27393
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	27393
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	84447	705	-	-	79	27	33	338	85	599
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	71	1058	346	89	3526
Exports	-81915	-	-	-	-	-567	-7	-24	-	-30
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-157	-	-
Stock changes	191	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	2723	705	-	-	79	-469	1084	503	174	4095
Transfers	-	-705	-	-	-	705	-	-	-	-
Statistical differences	-90	-	-	-	-	-	-262	-330	-119	-
TRANSFORMATION	2633	-	-	-	-	-	-	-	-	1181
Electricity plants	-	-	-	-	-	-	-	-	-	1181
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2633	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	79	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	79	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	236	822	173	55	2914
INDUSTRY	-	-	-	-	-	3	14	-	55	120
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	5	-	-	120
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	3	9	-	55	-
TRANSPORT	-	-	-	-	-	-	754	173	-	1701
Domestic aviation	-	-	-	-	-	-	-	173	-	-
Road	-	-	-	-	-	-	754	-	-	1683
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	18
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	233	54	-	-	1093
Residential	-	-	-	-	-	221	-	-	-	297
Comm. and public services	-	-	-	-	-	12	49	-	-	787
Agriculture/forestry	-	-	-	-	-	-	-	-	-	9
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	5	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Angola

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1170	305	-	4	346656	-	-	-	10361	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	174	-	-	-	-	-	-
Exports	-603	-289	-	-	-	-	-	-	-	-
Intl. marine bunkers	-349	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	19	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	218	35	-	178	346656	-	-	-	10361	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-2	-	-	-	-	-	-
TRANSFORMATION	58	-	-	-	88132	-	-	-	-	-
Electricity plants	58	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	88132	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	256	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	256	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1167	-
FINAL CONSUMPTION	160	35	-	176	258524	-	-	-	8938	-
INDUSTRY	160	-	-	-	6130	-	-	-	3013	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	36	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	124	-	-	-	6130	-	-	-	3013	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	252394	-	-	-	5925	-
Residential	-	-	-	-	252394	-	-	-	5925	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	35	-	176	-	-	-	-	-	-
in industry/transf./energy	-	35	-	176	-	-	-	-	-	-
of which: chem./petrochem.	-	35	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Argentina

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	23	-	-	631	-	-	7980	7528	-	1672989
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	551	655	-	-	-	-	-	-	-	-	406583
Exports	-	-11	-	-	-43	-	-	-	-	-	-2367
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	19	-	-	21	-	-	-	-	-	-
DOMESTIC SUPPLY	551	686	-	-	609	-	-	7980	7528	-	2077205
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	36	-	-	-	-	-	-	1	-	-22666
TRANSFORMATION	551	686	-	-	547	-	-	4337	4430	-	724712
Electricity plants	-	686	-	-	-	-	-	4337	4430	-	724712
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	547	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	551	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	290068
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	213489
Oil refineries	-	-	-	-	-	-	-	-	-	-	76579
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	9921
FINAL CONSUMPTION	-	36	-	-	62	-	-	3643	3099	-	1029838
INDUSTRY	-	36	-	-	62	-	-	3643	3099	-	322641
Iron and steel	-	-	-	-	62	-	-	3643	3099	-	74342
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	11061
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	52562
Transport equipment	-	-	-	-	-	-	-	-	-	-	1841
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	77888
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	13434
Wood and wood products	-	-	-	-	-	-	-	-	-	-	682
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	4801
Non-specified	-	36	-	-	-	-	-	-	-	-	86030
TRANSPORT	-	-	-	-	-	-	-	-	-	-	158467
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	110360
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	48107
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	475956
Residential	-	-	-	-	-	-	-	-	-	-	422401
Comm. and public services	-	-	-	-	-	-	-	-	-	-	53555
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	72774
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	72774
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	72774
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Argentina

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	26440	2671	-	395	1074	1067	5714	1337	14	8607
From other sources	-	-	598	-	-	-	-	-	-	-
Imports	790	-	-	-	-	-	181	132	-	3533
Exports	-2332	-	-	-	-	-879	-	-	-	-74
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-71
Intl. aviation bunkers	-	-	-	-	-	-	-	-945	-	-
Stock changes	64	-	-	-	-62	27	-177	6	-	-8
DOMESTIC SUPPLY	24962	2671	598	395	1012	215	5718	530	14	11987
Transfers	-	-2632	3363	-	-	2632	-13	-	-	-
Statistical differences	629	-	145	-	-	-24	127	34	-	69
TRANSFORMATION	25501	39	4106	395	45	-	-	-	-	2061
Electricity plants	-	-	-	-	45	-	-	-	-	2061
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	25501	39	4106	395	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	90	-	-	-	967	27	-	-	-	2
Fuel mining and extraction	90	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	967	27	-	-	-	2
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	2796	5832	564	14	9993
INDUSTRY	-	-	-	-	-	166	284	-	-	110
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	166	284	-	-	110
TRANSPORT	-	-	-	-	-	-	5539	564	-	6239
Domestic aviation	-	-	-	-	-	-	-	564	-	-
Road	-	-	-	-	-	-	5539	-	-	5967
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	272
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1535	9	-	14	3644
Residential	-	-	-	-	-	1242	-	-	14	-
Comm. and public services	-	-	-	-	-	207	2	-	-	110
Agriculture/forestry	-	-	-	-	-	86	7	-	-	3534
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	1095	-	-	-	-
in industry/transf./energy	-	-	-	-	-	1095	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	1095	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Argentina

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3959	2742	1406	3585	89216	3206	-	-	147220	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	63	-	2599	-	-	-	-	9851	-
Exports	-25	-451	-	-8	-	-1647	-	-	-329	-
Intl. marine bunkers	-628	-	-	-3	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	55	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	3361	2354	1406	6173	89216	1559	-	-	156742	-
Transfers	-	-1315	-	-2048	-	-	-	-	-	-
Statistical differences	-89	-	-132	-	-	15	-	-1	5	-
TRANSFORMATION	2788	-	774	-	30142	-	-	-	-	-
Electricity plants	2788	-	-	-	24123	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	774	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	6019	-	-	-	-	-
ENERGY IND. OWN USE	226	-	62	-	-	-	-	-	4364	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	226	-	62	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	3540	-
Pumped storage plants	-	-	-	-	-	-	-	-	824	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	20432	-
FINAL CONSUMPTION	258	1039	438	4125	59074	1574	-	-	131951	-
INDUSTRY	83	1	438	3138	36985	-	-	-	51452	-
Iron and steel	-	-	-	-	-	-	-	-	6100	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	12459	-
Non-ferrous metals	-	-	-	-	-	-	-	-	5094	-
Non-metallic minerals	-	-	-	-	-	-	-	-	4785	-
Transport equipment	-	-	-	-	-	-	-	-	2002	-
Machinery	-	-	-	-	-	-	-	-	593	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	12738	-
Paper, pulp and print	-	-	-	-	-	-	-	-	3204	-
Wood and wood products	-	-	-	-	-	-	-	-	500	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	2919	-
Non-specified	83	1	438	3138	36985	-	-	-	1058	-
TRANSPORT	88	-	-	2	-	1574	-	-	546	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	1574	-	-	-	-
Rail	-	-	-	-	-	-	-	-	546	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	88	-	-	2	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	85	-	-	-	22089	-	-	-	79953	-
Residential	-	-	-	-	11065	-	-	-	44787	-
Comm. and public services	29	-	-	-	6785	-	-	-	34244	-
Agriculture/forestry	56	-	-	-	4239	-	-	-	922	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	2	1038	-	985	-	-	-	-	-	-
in industry/transf./energy	2	1038	-	985	-	-	-	-	-	-
of which: chem./petrochem.	2	1038	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Armenia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	3	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	2	-	-	-	-	-	-	-	-	85947
Exports	-	-	-	-	-	-	-	-	-	-3	-739
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	73
DOMESTIC SUPPLY	-	2	-	-	-	-	-	-	-	-	85281
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	23235
Electricity plants	-	-	-	-	-	-	-	-	-	-	23030
CHP plants	-	-	-	-	-	-	-	-	-	-	205
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	254
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	254
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	5515
FINAL CONSUMPTION	-	2	-	-	-	-	-	-	-	-	56277
INDUSTRY	-	-	-	-	-	-	-	-	-	-	7361
Iron and steel	-	-	-	-	-	-	-	-	-	-	579
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	72
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	569
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	2509
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	36
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	270
Food and tobacco	-	-	-	-	-	-	-	-	-	-	2915
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	162
Wood and wood products	-	-	-	-	-	-	-	-	-	-	3
Construction	-	-	-	-	-	-	-	-	-	-	168
Textile and leather	-	-	-	-	-	-	-	-	-	-	19
Non-specified	-	-	-	-	-	-	-	-	-	-	59
TRANSPORT	-	-	-	-	-	-	-	-	-	-	17985
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	17985
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	2	-	-	-	-	-	-	-	-	30931
Residential	-	-	-	-	-	-	-	-	-	-	22362
Comm. and public services	-	2	-	-	-	-	-	-	-	-	5509
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	3060
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	4	141	44	7	119
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-44	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	4	141	-	7	119
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	4	141	-	7	119
INDUSTRY	-	-	-	-	-	-	-	-	-	20
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	4
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	14
Food and tobacco	-	-	-	-	-	-	-	-	-	1
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	1
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	3	141	-	-	74
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	3	141	-	-	74
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1	-	-	7	25
Residential	-	-	-	-	-	-	-	-	-	1
Comm. and public services	-	-	-	-	-	1	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	7	24
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	5845	-	-	-	7315	34
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	32	254	-	-	-	275	-
Exports	-	-	-	-	-	-	-	-	-1229	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-7	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	25	6099	-	-	-	6361	34
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	327	2
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	327	2
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	706	21
FINAL CONSUMPTION	-	-	-	25	6099	-	-	-	5328	11
INDUSTRY	-	-	-	-	32	-	-	-	1631	-
Iron and steel	-	-	-	-	-	-	-	-	72	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	15	-
Non-ferrous metals	-	-	-	-	-	-	-	-	234	-
Non-metallic minerals	-	-	-	-	-	-	-	-	111	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	21	-
Mining and quarrying	-	-	-	-	-	-	-	-	800	-
Food and tobacco	-	-	-	-	-	-	-	-	267	-
Paper, pulp and print	-	-	-	-	-	-	-	-	20	-
Wood and wood products	-	-	-	-	32	-	-	-	3	-
Construction	-	-	-	-	-	-	-	-	31	-
Textile and leather	-	-	-	-	-	-	-	-	10	-
Non-specified	-	-	-	-	-	-	-	-	47	-
TRANSPORT	-	-	-	-	-	-	-	-	100	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	6	-
Rail	-	-	-	-	-	-	-	-	66	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	28	-
OTHER	-	-	-	-	6067	-	-	-	3597	11
Residential	-	-	-	-	6067	-	-	-	1854	11
Comm. and public services	-	-	-	-	-	-	-	-	902	-
Agriculture/forestry	-	-	-	-	-	-	-	-	115	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	726	-
NON-ENERGY USE	-	-	-	25	-	-	-	-	-	-
in industry/transf./energy	-	-	-	16	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	1	-	-	-	-	-	-
in other	-	-	-	8	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	731110
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	11655
Exports	-	-	-	-	-	-	-	-	-	-	-314398
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	8859
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	437226
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-1285
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	205096
Electricity plants	-	-	-	-	-	-	-	-	-	-	138757
CHP plants	-	-	-	-	-	-	-	-	-	-	58109
Heat plants	-	-	-	-	-	-	-	-	-	-	8230
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	17378
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	9015
Oil refineries	-	-	-	-	-	-	-	-	-	-	6863
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	1500
Losses	-	-	-	-	-	-	-	-	-	-	31436
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	182031
INDUSTRY	-	-	-	-	-	-	-	-	-	-	47168
Iron and steel	-	-	-	-	-	-	-	-	-	-	691
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	14620
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	199
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	13124
Transport equipment	-	-	-	-	-	-	-	-	-	-	59
Machinery	-	-	-	-	-	-	-	-	-	-	1086
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	492
Food and tobacco	-	-	-	-	-	-	-	-	-	-	13679
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	31
Wood and wood products	-	-	-	-	-	-	-	-	-	-	4
Construction	-	-	-	-	-	-	-	-	-	-	1648
Textile and leather	-	-	-	-	-	-	-	-	-	-	457
Non-specified	-	-	-	-	-	-	-	-	-	-	1078
TRANSPORT	-	-	-	-	-	-	-	-	-	-	43
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	43
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	133308
Residential	-	-	-	-	-	-	-	-	-	-	124480
Comm. and public services	-	-	-	-	-	-	-	-	-	-	6023
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	2805
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	1512
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	1512
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	1512
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	38252	2835	-	-	231	186	1153	627	-	2315
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	81	-	11	4
Exports	-32479	-2494	-	-	-	-59	-4	-236	-	-1228
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-48
Intl. aviation bunkers	-	-	-	-	-	-	-	-175	-	-
Stock changes	-24	-	-	-	-	-	35	15	4	-6
DOMESTIC SUPPLY	5749	341	-	-	231	127	1265	231	15	1037
Transfers	-	-37	-	-	-	14	-	-	-	-
Statistical differences	-	-	-	-	-	-1	-19	-	-1	-20
TRANSFORMATION	5749	304	-	-	-	-	-	-	-	10
Electricity plants	-	-	-	-	-	-	-	-	-	10
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	5749	304	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	231	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	231	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	140	1246	231	14	1007
INDUSTRY	-	-	-	-	-	-	-	-	-	67
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	5
Food and tobacco	-	-	-	-	-	-	-	-	-	7
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	55
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	8	1234	226	-	653
Domestic aviation	-	-	-	-	-	-	-	226	-	3
Road	-	-	-	-	-	8	1234	-	-	618
Rail	-	-	-	-	-	-	-	-	-	3
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	29
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	11	12	-	1	278
Residential	-	-	-	-	-	10	1	-	-	9
Comm. and public services	-	-	-	-	-	1	-	-	1	5
Agriculture/forestry	-	-	-	-	-	-	11	-	-	264
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	121	-	5	13	9
in industry/transf./energy	-	-	-	-	-	121	-	5	13	9
of which: chem./petrochem.	-	-	-	-	-	121	-	5	13	9
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Azerbaijan

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	399	174	207	500	1400	-	-	2772	24953	7282
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	187	-	-	47	-	-	-	-	114	-
Exports	-23	-	-173	-11	-	-	-	-	-1096	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	118	4	-32	1	44	-	-	-	-	-
DOMESTIC SUPPLY	681	178	2	537	1444	-	-	2772	23971	7282
Transfers	-	23	-	-	-	-	-	-	-	-
Statistical differences	-3	-	-	-9	-	-	-	-	-43	-
TRANSFORMATION	614	-	-	5	160	-	-	2772	-	-
Electricity plants	40	-	-	4	-	-	-	2772	-	-
CHP plants	574	-	-	1	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	160	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	125	-	-	-	-	3960	497
Fuel mining and extraction	-	-	-	-	-	-	-	-	2503	-
Oil refineries	-	-	-	-	-	-	-	-	396	478
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	918	19
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	125	-	-	-	-	143	-
Losses	-	-	-	-	-	-	-	-	2350	837
FINAL CONSUMPTION	64	201	2	398	1284	-	-	-	17618	5948
INDUSTRY	43	-	-	23	15	-	-	-	3517	-
Iron and steel	-	-	-	-	-	-	-	-	303	-
Chemical and petrochemical	-	-	-	23	-	-	-	-	297	-
Non-ferrous metals	2	-	-	-	-	-	-	-	811	-
Non-metallic minerals	1	-	-	-	-	-	-	-	361	-
Transport equipment	-	-	-	-	-	-	-	-	15	-
Machinery	1	-	-	-	-	-	-	-	149	-
Mining and quarrying	-	-	-	-	-	-	-	-	84	-
Food and tobacco	18	-	-	-	9	-	-	-	564	-
Paper, pulp and print	-	-	-	-	-	-	-	-	59	-
Wood and wood products	-	-	-	-	-	-	-	-	31	-
Construction	16	-	-	-	6	-	-	-	651	-
Textile and leather	1	-	-	-	-	-	-	-	92	-
Non-specified	4	-	-	-	-	-	-	-	100	-
TRANSPORT	1	-	-	-	2	-	-	-	428	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	1	-	-	-	2	-	-	-	347	-
Pipeline transport	-	-	-	-	-	-	-	-	81	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	18	-	-	-	1267	-	-	-	13673	5948
Residential	-	-	-	-	483	-	-	-	8072	4822
Comm. and public services	17	-	-	-	761	-	-	-	4622	1126
Agriculture/forestry	1	-	-	-	23	-	-	-	979	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	2	201	2	375	-	-	-	-	-	-
in industry/transf./energy	2	201	2	344	-	-	-	-	-	-
of which: chem./petrochem.	2	201	2	178	-	-	-	-	-	-
in transport	-	-	-	31	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Bahrain

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	559686
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	3
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	559689
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	1
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	397814
Electricity plants	-	-	-	-	-	-	-	-	-	-	397814
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	59438
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	59438
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	102438
INDUSTRY	-	-	-	-	-	-	-	-	-	-	41962
Iron and steel	-	-	-	-	-	-	-	-	-	-	19171
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	22791
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	60476
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	60476
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	49296
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Bahrain

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	10102	377	-	-	197	66	781	3091	20	3874
From other sources	-	-	392	-	-	-	-	-	-	-
Imports	2881	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-244	-5	-2583	-	-3376
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-426	-	-
Stock changes	-	-	-	-	-	83	-	-50	-	-
DOMESTIC SUPPLY	12983	377	392	-	197	-95	776	32	20	498
Transfers	-	-377	-392	-	-	160	-	-	-	-
Statistical differences	-1	-	-	-	-	-	1	-	-	-151
TRANSFORMATION	12982	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	12982	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	197	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	197	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	65	777	32	20	347
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	777	32	-	347
Domestic aviation	-	-	-	-	-	-	-	32	-	-
Road	-	-	-	-	-	-	777	-	-	347
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	65	-	-	20	-
Residential	-	-	-	-	-	65	-	-	20	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Bahrain

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2470	1609	-	758	-	-	-	-	28510	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	627	-	-	-	-	276	-
Exports	-2507	-1866	-	-778	-	-	-	-	-293	-
Intl. marine bunkers	-79	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	117	-51	-	111	-	-	-	-	-	-
DOMESTIC SUPPLY	1	-308	-	718	-	-	-	-	28493	-
Transfers	-	217	392	-	-	-	-	-	-	-
Statistical differences	-	91	-	-	-	-	-	-	-111	-
TRANSFORMATION	1	-	-	553	-	-	-	-	-	-
Electricity plants	1	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	553	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	686	-
FINAL CONSUMPTION	-	-	392	165	-	-	-	-	27696	-
INDUSTRY	-	-	-	-	-	-	-	-	14013	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	11426	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	2587	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	13683	-
Residential	-	-	-	-	-	-	-	-	7643	-
Comm. and public services	-	-	-	-	-	-	-	-	5979	-
Agriculture/forestry	-	-	-	-	-	-	-	-	61	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	392	165	-	-	-	-	-	-
in industry/transf./energy	-	-	392	165	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	43	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Bangladesh

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	1022	-	-	-	-	-	-	-	-	1074720
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	2184	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	197	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	3403	-	-	-	-	-	-	-	-	1074720
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	13176
TRANSFORMATION	-	541	-	-	-	-	-	-	-	-	618858
Electricity plants	-	541	-	-	-	-	-	-	-	-	618858
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	23	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	23	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	22086
FINAL CONSUMPTION	-	2839	-	-	-	-	-	-	-	-	446952
INDUSTRY	-	2839	-	-	-	-	-	-	-	-	172273
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	2839	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	172273
TRANSPORT	-	-	-	-	-	-	-	-	-	-	51351
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	51351
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	165241
Residential	-	-	-	-	-	-	-	-	-	-	154308
Comm. and public services	-	-	-	-	-	-	-	-	-	-	9939
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	994
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	58087
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	58087
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	58087
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	321	-	-	13	10	26	1	194	333
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1308	-	-	-	-	-	151	354	-	3130
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-347	-	-
Stock changes	-	-	-	-	-	-	-	-	-	96
DOMESTIC SUPPLY	1308	321	-	-	13	10	177	8	194	3559
Transfers	-	-175	-	-	-	8	107	-	13	47
Statistical differences	-186	-	-	-	-	-2	-	-8	5	34
TRANSFORMATION	1122	146	-	-	-	-	-	-	-	499
Electricity plants	-	-	-	-	-	-	-	-	-	499
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1122	146	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	13	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	13	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	16	284	-	212	3141
INDUSTRY	-	-	-	-	-	-	1	-	2	211
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	1	-	2	211
TRANSPORT	-	-	-	-	-	-	283	-	-	1974
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	283	-	-	1263
Rail	-	-	-	-	-	-	-	-	-	298
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	413
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	16	-	-	210	956
Residential	-	-	-	-	-	16	-	-	210	12
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	944
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	363	132	-	102	394999	-	-	-	64327	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	335	-	-	-	-	-	-	-	-	-
Exports	-	-100	-	-	-	-	-	-	-	-
Intl. marine bunkers	-115	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	583	32	-	102	394999	-	-	-	64327	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	156	-	-	-1	-1	-	-	-	-910	-
TRANSFORMATION	702	-	-	-	7205	-	-	-	-	-
Electricity plants	702	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	7205	-	-	-	-	-
ENERGY IND. OWN USE	27	-	-	-	-	-	-	-	3614	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	27	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	3614	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	6858	-
FINAL CONSUMPTION	10	32	-	101	387793	-	-	-	52945	-
INDUSTRY	10	32	-	-	-	-	-	-	29470	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	10	32	-	-	-	-	-	-	29470	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	387793	-	-	-	23475	-
Residential	-	-	-	-	387793	-	-	-	17874	-
Comm. and public services	-	-	-	-	-	-	-	-	3461	-
Agriculture/forestry	-	-	-	-	-	-	-	-	1573	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	567	-
NON-ENERGY USE	-	-	-	101	-	-	-	-	-	-
in industry/transf./energy	-	-	-	101	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	1362	6488
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	724	-	-	54	-	-	-	-	-	719914
Exports	-	-36	-	-	-	-	-	-	-	-94	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-70	-	-	-4	-	-	-	-	485	5677
DOMESTIC SUPPLY	-	618	-	-	50	-	-	-	-	1753	732079
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	2	-	-	-	-	-	-	-	858	514083
Electricity plants	-	-	-	-	-	-	-	-	-	-	108707
CHP plants	-	-	-	-	-	-	-	-	-	162	311525
Heat plants	-	2	-	-	-	-	-	-	-	232	93851
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	464	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	34	9618
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	334
Oil refineries	-	-	-	-	-	-	-	-	-	-	9284
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	34	-
Losses	-	-	-	-	-	-	-	-	-	88	2240
FINAL CONSUMPTION	-	616	-	-	50	-	-	-	-	773	206138
INDUSTRY	-	571	-	-	50	-	-	-	-	349	40348
Iron and steel	-	-	-	-	11	-	-	-	-	-	5718
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	7664
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	305
Non-metallic minerals	-	571	-	-	13	-	-	-	-	344	14404
Transport equipment	-	-	-	-	3	-	-	-	-	-	895
Machinery	-	-	-	-	12	-	-	-	-	2	3048
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	516
Food and tobacco	-	-	-	-	11	-	-	-	-	1	4287
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	262
Wood and wood products	-	-	-	-	-	-	-	-	-	-	648
Construction	-	-	-	-	-	-	-	-	-	2	811
Textile and leather	-	-	-	-	-	-	-	-	-	-	1545
Non-specified	-	-	-	-	-	-	-	-	-	-	245
TRANSPORT	-	9	-	-	-	-	-	-	-	1	21165
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	348
Rail	-	9	-	-	-	-	-	-	-	1	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	20817
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	2	-	-	-	-	-	-	-	423	82869
Residential	-	1	-	-	-	-	-	-	-	325	76163
Comm. and public services	-	1	-	-	-	-	-	-	-	92	2124
Agriculture/forestry	-	-	-	-	-	-	-	-	-	6	4582
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	34	-	-	-	-	-	-	-	-	61756
in industry/transf./energy	-	34	-	-	-	-	-	-	-	-	61756
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	61756
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	1645	63	-	-	632	358	3573	329	5	6748
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	18142	-	374	-	-	65	206	21	-	693
Exports	-1617	-	-	-	-	-346	-2621	-199	-	-4850
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-119	-	-
Stock changes	448	-	-	-	-	11	-14	-10	-2	19
DOMESTIC SUPPLY	18618	63	374	-	632	88	1144	22	3	2610
Transfers	-	-63	-	-	-	61	-	-	-	-
Statistical differences	-28	-	-	-	-	-	-	-	-	-
TRANSFORMATION	18590	-	374	-	71	-	-	-	-	1
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	29	-	-	-	-	-
Heat plants	-	-	-	-	42	-	-	-	-	1
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	18590	-	374	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	561	-	-	-	-	28
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	12
Oil refineries	-	-	-	-	561	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	13
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	3
Losses	-	-	-	-	-	1	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	148	1144	22	3	2581
INDUSTRY	-	-	-	-	-	3	8	-	2	111
Iron and steel	-	-	-	-	-	-	-	-	-	1
Chemical and petrochemical	-	-	-	-	-	-	1	-	-	5
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	5
Transport equipment	-	-	-	-	-	-	-	-	-	3
Machinery	-	-	-	-	-	1	1	-	-	6
Mining and quarrying	-	-	-	-	-	1	-	-	-	3
Food and tobacco	-	-	-	-	-	-	1	-	2	9
Paper, pulp and print	-	-	-	-	-	-	-	-	-	1
Wood and wood products	-	-	-	-	-	-	1	-	-	3
Construction	-	-	-	-	-	1	4	-	-	68
Textile and leather	-	-	-	-	-	-	-	-	-	4
Non-specified	-	-	-	-	-	-	-	-	-	3
TRANSPORT	-	-	-	-	-	84	1124	22	-	1895
Domestic aviation	-	-	-	-	-	-	-	22	-	-
Road	-	-	-	-	-	84	1124	-	-	1726
Rail	-	-	-	-	-	-	-	-	-	168
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	61	12	-	1	575
Residential	-	-	-	-	-	61	-	-	-	-
Comm. and public services	-	-	-	-	-	-	6	-	-	23
Agriculture/forestry	-	-	-	-	-	-	6	-	1	552
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Belarus

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	5569	-	-	1483	58029	20	390	1286	33566	249665
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	38	-	-	399	12	-	-	-	6319	-
Exports	-4970	-	-	-651	-2336	-	-	-	-3298	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-9	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	628	-	-	1231	55705	20	390	1286	36587	249665
Transfers	-	-	-	2	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	240	-	-	-	30120	-	370	1118	-	-
Electricity plants	77	-	-	-	-	-	25	-	-	-
CHP plants	65	-	-	-	4980	-	345	617	-	-
Heat plants	98	-	-	-	24879	-	-	501	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	61	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	200	-	-	-	-	-
ENERGY IND. OWN USE	354	-	-	-	619	-	-	-	4335	20951
Fuel mining and extraction	-	-	-	-	-	-	-	-	306	1632
Oil refineries	354	-	-	-	-	-	-	-	1899	18231
Elec., CHP and heat plants	-	-	-	-	602	-	-	-	2082	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	17	-	-	-	48	1088
Losses	-	-	-	-	-	-	-	-	2876	20088
FINAL CONSUMPTION	34	-	-	1233	24966	20	20	168	29376	208626
INDUSTRY	23	-	-	-	1895	-	20	168	11956	57884
Iron and steel	-	-	-	-	1	-	-	-	1796	363
Chemical and petrochemical	6	-	-	-	15	-	12	-	3426	20531
Non-ferrous metals	-	-	-	-	-	-	-	-	30	16
Non-metallic minerals	-	-	-	-	62	-	-	168	1115	2316
Transport equipment	-	-	-	-	45	-	-	-	365	1522
Machinery	1	-	-	-	159	-	-	-	1343	3467
Mining and quarrying	-	-	-	-	6	-	-	-	200	151
Food and tobacco	3	-	-	-	148	-	8	-	1598	18514
Paper, pulp and print	-	-	-	-	9	-	-	-	302	2252
Wood and wood products	-	-	-	-	1042	-	-	-	479	2677
Construction	13	-	-	-	147	-	-	-	255	-
Textile and leather	-	-	-	-	37	-	-	-	506	2727
Non-specified	-	-	-	-	224	-	-	-	541	3348
TRANSPORT	-	-	-	-	-	3	-	-	1181	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	3	-	-	157	-
Rail	-	-	-	-	-	-	-	-	561	-
Pipeline transport	-	-	-	-	-	-	-	-	463	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	11	-	-	-	23071	17	-	-	16239	150742
Residential	-	-	-	-	16887	-	-	-	6689	96014
Comm. and public services	6	-	-	-	4532	-	-	-	7999	48331
Agriculture/forestry	5	-	-	-	1640	17	-	-	1542	6391
Fishing	-	-	-	-	12	-	-	-	9	6
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	1233	-	-	-	-	-	-
in industry/transf./energy	-	-	-	1233	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Benin

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	120	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	120	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	120	-	-	-	-	-	-	-	-	-
INDUSTRY	-	120	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	120	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Benin

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	14	816	-	12	814
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	14	816	-	12	814
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	75
Electricity plants	-	-	-	-	-	-	-	-	-	75
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	14	816	-	12	739
INDUSTRY	-	-	-	-	-	1	-	-	2	43
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	2	43
TRANSPORT	-	-	-	-	-	-	816	-	-	695
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	816	-	-	695
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	13	-	-	10	1
Residential	-	-	-	-	-	11	-	-	10	-
Comm. and public services	-	-	-	-	-	2	-	-	-	1
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Benin

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	104316	-	-	-	355	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	145	-	31	-	-	-	-	-	1088	-
Exports	-84	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-35	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	26	-	31	-	104316	-	-	-	1443	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-14	-
TRANSFORMATION	-	-	-	-	25942	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	25942	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	280	-
FINAL CONSUMPTION	26	-	31	-	78374	-	-	-	1149	-
INDUSTRY	26	-	31	-	392	-	-	-	291	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	24	-	-	-	-	-	-	-	177	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	2	-	-	-	-	-	-	-	25	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	32	-
Non-specified	-	-	31	-	392	-	-	-	57	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	77982	-	-	-	858	-
Residential	-	-	-	-	65028	-	-	-	411	-
Comm. and public services	-	-	-	-	12954	-	-	-	447	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Bolivia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	805483
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-629414
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	176069
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-3864
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	86446
Electricity plants	-	-	-	-	-	-	-	-	-	-	86446
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	13974
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	13974
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	711
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	71074
INDUSTRY	-	-	-	-	-	-	-	-	-	-	35938
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	35938
TRANSPORT	-	-	-	-	-	-	-	-	-	-	27399
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	27399
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	7737
Residential	-	-	-	-	-	-	-	-	-	-	5598
Comm. and public services	-	-	-	-	-	-	-	-	-	-	2139
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	2625	552	-	-	129	111	1025	189	18	790
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	147	-	-	691
Exports	-	-	-	-	-	-121	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-62	-	-
Stock changes	-2	-	-	-	-	4	6	1	-	8
DOMESTIC SUPPLY	2623	552	-	-	129	-6	1178	128	18	1489
Transfers	-	-400	-	-	-	400	-	-	-	-
Statistical differences	168	-	-	-	-	37	76	-9	-	134
TRANSFORMATION	2791	152	-	-	-	-	-	-	-	57
Electricity plants	-	-	-	-	-	-	-	-	-	57
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2791	152	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	123	-	-	-	12	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	123	-	-	-	12	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	6	-	51	1	-	36
FINAL CONSUMPTION	-	-	-	-	-	431	1203	118	6	1530
INDUSTRY	-	-	-	-	-	12	-	-	2	89
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	12	-	-	2	89
TRANSPORT	-	-	-	-	-	-	1203	118	-	829
Domestic aviation	-	-	-	-	-	-	-	118	-	-
Road	-	-	-	-	-	-	1203	-	-	829
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	419	-	-	4	612
Residential	-	-	-	-	-	413	-	-	4	-
Comm. and public services	-	-	-	-	-	6	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	612
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	264	1	-	328	47122	-	-	-	9409	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	36	-	-	-	-	-	-
Exports	-284	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	20	-	-	1	-	-	-	-	-	-
DOMESTIC SUPPLY	-	1	-	365	47122	-	-	-	9409	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-30	-	-	-	-	78	-
TRANSFORMATION	-	-	-	-	7213	-	-	-	-	-
Electricity plants	-	-	-	-	7050	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	163	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	1417	-	-	-	120	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	120	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	1417	-	-	-	-	-
Losses	-	-	-	2	-	-	-	-	1166	-
FINAL CONSUMPTION	-	1	-	333	38492	-	-	-	8201	-
INDUSTRY	-	-	-	-	25126	-	-	-	2134	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	25126	-	-	-	2134	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	221	13366	-	-	-	6067	-
Residential	-	-	-	-	13366	-	-	-	3157	-
Comm. and public services	-	-	-	-	-	-	-	-	2008	-
Agriculture/forestry	-	-	-	-	-	-	-	-	902	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	221	-	-	-	-	-	-
NON-ENERGY USE	-	1	-	112	-	-	-	-	-	-
in industry/transf./energy	-	1	-	112	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Bosnia and Herzegovina

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	13644	880	-	-	6867	4380	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	1302	-	-	87	17	-	-	-	-	-	8592
Exports	-	-	-	-258	-377	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-64	-	-	326	-92	-	-	-	-	-	-
DOMESTIC SUPPLY	1238	-	-	13799	428	-	-	6867	4380	-	8592
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1	-	-	-1	-	-	-	-	-	-	-
TRANSFORMATION	1186	-	-	12904	407	-	-	-	-	-	2247
Electricity plants	-	-	-	12389	-	-	-	-	-	-	307
CHP plants	-	-	-	313	-	-	-	-	-	-	-
Heat plants	-	-	-	202	-	-	-	-	-	-	1940
Blast furnaces	-	-	-	-	407	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	1186	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	11	-	-	-	6867	-	-	-
Fuel mining and extraction	-	-	-	11	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	6867	-	-	-
Losses	-	-	-	10	-	-	-	-	-	-	24
FINAL CONSUMPTION	51	-	-	873	21	-	-	-	4380	-	6321
INDUSTRY	51	-	-	165	21	-	-	-	4380	-	3535
Iron and steel	-	-	-	-	-	-	-	-	4380	-	868
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	51
Non-ferrous metals	-	-	-	95	-	-	-	-	-	-	2190
Non-metallic minerals	51	-	-	35	21	-	-	-	-	-	54
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	3	-	-	-	-	-	-	5
Mining and quarrying	-	-	-	2	-	-	-	-	-	-	-
Food and tobacco	-	-	-	24	-	-	-	-	-	-	255
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	24
Wood and wood products	-	-	-	-	-	-	-	-	-	-	32
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	5	-	-	-	-	-	-	54
Non-specified	-	-	-	1	-	-	-	-	-	-	2
TRANSPORT	-	-	-	-	-	-	-	-	-	-	4
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	4
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	708	-	-	-	-	-	-	2782
Residential	-	-	-	285	-	-	-	-	-	-	1607
Comm. and public services	-	-	-	423	-	-	-	-	-	-	1175
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	14	19	140	-	-	381
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	929	-	-	-	-	63	132	10	-	795
Exports	-	-	-	-	-	-	-79	-	-	-1
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-10	-	-
Stock changes	-77	-	-	-	-	-	7	-	-	-18
DOMESTIC SUPPLY	852	-	-	-	14	82	200	-	-	1157
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-1	-	-	-
TRANSFORMATION	852	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	852	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	14	7	-	-	-	51
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	49
Oil refineries	-	-	-	-	14	7	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	2
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	75	199	-	-	1106
INDUSTRY	-	-	-	-	-	14	-	-	-	72
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	1	-	-	-	2
Non-ferrous metals	-	-	-	-	-	1	-	-	-	1
Non-metallic minerals	-	-	-	-	-	1	-	-	-	5
Transport equipment	-	-	-	-	-	1	-	-	-	-
Machinery	-	-	-	-	-	2	-	-	-	2
Mining and quarrying	-	-	-	-	-	-	-	-	-	14
Food and tobacco	-	-	-	-	-	6	-	-	-	11
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	4
Construction	-	-	-	-	-	-	-	-	-	31
Textile and leather	-	-	-	-	-	2	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	1
TRANSPORT	-	-	-	-	-	46	198	-	-	910
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	46	198	-	-	910
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	15	1	-	-	124
Residential	-	-	-	-	-	8	-	-	-	74
Comm. and public services	-	-	-	-	-	6	-	-	-	40
Agriculture/forestry	-	-	-	-	-	1	1	-	-	10
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	70	7	-	194	30729	-	-	-	17767	5657
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	40	-	5	25	-	-	-	-	3084	-
Exports	-1	-7	-	-133	-7069	-	-	-	-6841	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	13	-	-2	-6	-	-	-	-	-	-
DOMESTIC SUPPLY	122	-	3	80	23660	-	-	-	14010	5657
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-19	3466	-	-	-	-	-
TRANSFORMATION	31	-	-	-	2788	-	-	-	-	-
Electricity plants	15	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	16	-	-	-	709	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	2079	-	-	-	-	-
ENERGY IND. OWN USE	65	-	-	-	-	-	-	-	1564	21
Fuel mining and extraction	-	-	-	-	-	-	-	-	257	-
Oil refineries	65	-	-	-	-	-	-	-	80	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	1158	21
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	69	-
Losses	-	-	-	-	-	-	-	-	1358	356
FINAL CONSUMPTION	26	-	3	61	24338	-	-	-	11088	5280
INDUSTRY	22	-	3	-	732	-	-	-	4079	22
Iron and steel	-	-	-	-	-	-	-	-	813	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	127	-
Non-ferrous metals	-	-	-	-	-	-	-	-	1667	-
Non-metallic minerals	4	-	3	-	-	-	-	-	158	-
Transport equipment	-	-	-	-	-	-	-	-	50	-
Machinery	-	-	-	-	-	-	-	-	228	6
Mining and quarrying	1	-	-	-	-	-	-	-	93	7
Food and tobacco	8	-	-	-	-	-	-	-	255	2
Paper, pulp and print	8	-	-	-	-	-	-	-	189	-
Wood and wood products	-	-	-	-	-	-	-	-	177	4
Construction	-	-	-	-	-	-	-	-	65	2
Textile and leather	1	-	-	-	-	-	-	-	101	1
Non-specified	-	-	-	-	732	-	-	-	156	-
TRANSPORT	-	-	-	-	-	-	-	-	73	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	73	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	4	-	-	-	23606	-	-	-	6936	5258
Residential	-	-	-	-	22103	-	-	-	4733	3991
Comm. and public services	4	-	-	-	1503	-	-	-	2136	1267
Agriculture/forestry	-	-	-	-	-	-	-	-	67	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	61	-	-	-	-	-	-
in industry/transf./energy	-	-	-	61	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Botswana

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	1877	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-205	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	1672	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	22	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	1620	-	-	-	-	-	-	-	-	-
Electricity plants	-	1620	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	74	-	-	-	-	-	-	-	-	-
INDUSTRY	-	67	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	67	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	7	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	2	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	5	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Botswana

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	11	430	13	5	441
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-11	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	11	430	2	5	441
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	1	-	-	-	103
TRANSFORMATION	-	-	-	-	-	-	-	-	-	2
Electricity plants	-	-	-	-	-	-	-	-	-	2
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	12	430	2	5	542
INDUSTRY	-	-	-	-	-	3	-	-	-	163
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	2	-	-	-	128
Food and tobacco	-	-	-	-	-	1	-	-	-	3
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	21
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	10
TRANSPORT	-	-	-	-	-	-	430	2	-	351
Domestic aviation	-	-	-	-	-	-	-	2	-	-
Road	-	-	-	-	-	-	430	-	-	341
Rail	-	-	-	-	-	-	-	-	-	10
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	9	-	-	5	28
Residential	-	-	-	-	-	7	-	-	5	-
Comm. and public services	-	-	-	-	-	1	-	-	-	18
Agriculture/forestry	-	-	-	-	-	1	-	-	-	9
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	1
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Botswana

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	23133	-	-	-	2688	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	12	-	-	21	-	-	-	-	1673	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	12	-	-	21	23133	-	-	-	4361	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1	-	-	-	-	-	-	-	-11	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	307	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	307	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	564	-
FINAL CONSUMPTION	11	-	-	21	23133	-	-	-	3479	-
INDUSTRY	11	-	-	-	-	-	-	-	1382	-
Iron and steel	-	-	-	-	-	-	-	-	17	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	23	-
Non-ferrous metals	-	-	-	-	-	-	-	-	23	-
Non-metallic minerals	-	-	-	-	-	-	-	-	20	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	1	-	-	-	-	-	-	-	1114	-
Food and tobacco	-	-	-	-	-	-	-	-	94	-
Paper, pulp and print	1	-	-	-	-	-	-	-	9	-
Wood and wood products	-	-	-	-	-	-	-	-	9	-
Construction	-	-	-	-	-	-	-	-	6	-
Textile and leather	-	-	-	-	-	-	-	-	28	-
Non-specified	9	-	-	-	-	-	-	-	39	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	23133	-	-	-	2097	-
Residential	-	-	-	-	23133	-	-	-	955	-
Comm. and public services	-	-	-	-	-	-	-	-	819	-
Agriculture/forestry	-	-	-	-	-	-	-	-	192	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	131	-
NON-ENERGY USE	-	-	-	21	-	-	-	-	-	-
in industry/transf./energy	-	-	-	14	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	7	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Brunei Darussalam

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	422384
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-315089
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	1260
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	108555
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	3823
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	50501
Electricity plants	-	-	-	-	-	-	-	-	-	-	44407
CHP plants	-	-	-	-	-	-	-	-	-	-	6094
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	38017
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	12001
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	26016
Losses	-	-	-	-	-	-	-	-	-	-	2624
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	21236
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	769
Residential	-	-	-	-	-	-	-	-	-	-	769
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	20467
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	20467
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	20467
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	5431	513	-	-	13	-	92	51	6	114
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	5	-	-	181	26	-	156
Exports	-5209	-435	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-74	-	-
Stock changes	18	8	-	-	-	-	5	2	-	5
DOMESTIC SUPPLY	240	86	-	5	13	-	278	5	6	275
Transfers	-	-16	-	-	-	16	-	-	-	-
Statistical differences	-	15	-	2	-	-	5	-5	-	-16
TRANSFORMATION	240	85	-	7	-	-	-	-	-	11
Electricity plants	-	-	-	-	-	-	-	-	-	11
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	240	85	-	7	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	10	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	10	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	3	16	283	-	6	248
INDUSTRY	-	-	-	-	3	-	-	-	6	94
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	3	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	6	94
TRANSPORT	-	-	-	-	-	-	283	-	-	143
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	283	-	-	143
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	16	-	-	-	11
Residential	-	-	-	-	-	16	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	11
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	39	-	-	-	-	-	-	-	4270	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	10	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-39	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-1	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	9	-	-	-	-	4270	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	800	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	79	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	379	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	342	-
Losses	-	-	-	-	-	-	-	-	243	-
FINAL CONSUMPTION	-	-	-	9	-	-	-	-	3227	-
INDUSTRY	-	-	-	-	-	-	-	-	132	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	132	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	3095	-
Residential	-	-	-	-	-	-	-	-	1386	-
Comm. and public services	-	-	-	-	-	-	-	-	1709	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	9	-	-	-	-	-	-
in industry/transf./energy	-	-	-	9	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	31231	-	1313	-	-	-	-	3566
From other sources	-	52	-	-	-	-	-	-	-	-	-
Imports	-	762	-	-	97	-	-	-	-	-	120650
Exports	-	-	-	-17	-	-	-	-	-	-	-107
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	87	-	-213	3	-7	-	-	-	-	868
DOMESTIC SUPPLY	-	901	-	31001	100	1306	-	-	-	-	124977
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-5	-	67	-	6	-	-	-	-	-967
TRANSFORMATION	-	473	-	30994	-	1277	-	-	-	-	47679
Electricity plants	-	8	-	27867	-	303	-	-	-	-	702
CHP plants	-	462	-	668	-	972	-	-	-	-	28106
Heat plants	-	3	-	1	-	2	-	-	-	-	9647
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	2458	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	9224
ENERGY IND. OWN USE	-	-	-	1	-	1	-	-	-	-	1441
Fuel mining and extraction	-	-	-	1	-	1	-	-	-	-	37
Oil refineries	-	-	-	-	-	-	-	-	-	-	1392
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	12
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	419
FINAL CONSUMPTION	-	423	-	73	100	34	-	-	-	-	74471
INDUSTRY	-	214	-	15	28	-	-	-	-	-	42788
Iron and steel	-	-	-	-	-	-	-	-	-	-	2269
Chemical and petrochemical	-	118	-	-	27	-	-	-	-	-	15063
Non-ferrous metals	-	-	-	-	1	-	-	-	-	-	1500
Non-metallic minerals	-	90	-	9	-	-	-	-	-	-	12423
Transport equipment	-	-	-	-	-	-	-	-	-	-	358
Machinery	-	-	-	-	-	-	-	-	-	-	1906
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	814
Food and tobacco	-	1	-	-	-	-	-	-	-	-	4073
Paper, pulp and print	-	-	-	6	-	-	-	-	-	-	2204
Wood and wood products	-	-	-	-	-	-	-	-	-	-	77
Construction	-	-	-	-	-	-	-	-	-	-	647
Textile and leather	-	5	-	-	-	-	-	-	-	-	842
Non-specified	-	-	-	-	-	-	-	-	-	-	612
TRANSPORT	-	-	-	-	-	-	-	-	-	-	10699
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	4018
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	6681
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	197	-	58	-	34	-	-	-	-	7587
Residential	-	180	-	49	-	34	-	-	-	-	2740
Comm. and public services	-	8	-	2	-	-	-	-	-	-	4169
Agriculture/forestry	-	9	-	7	-	-	-	-	-	-	678
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	12	-	-	72	-	-	-	-	-	13397
in industry/transf./energy	-	12	-	-	72	-	-	-	-	-	13397
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	13397
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	24	-	-	-	310	103	1785	207	-	2745
From other sources	169	-	-	-	-	-	-	-	-	-
Imports	6195	-	597	20	-	416	215	33	-	961
Exports	-	-	-	-	-	-19	-1524	-20	-	-1382
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-59
Intl. aviation bunkers	-	-	-	-	-	-	-	-207	-	-
Stock changes	40	-	17	-	-	6	-7	3	-	-105
DOMESTIC SUPPLY	6428	-	614	20	310	506	469	16	-	2160
Transfers	-	-	207	-	-	-7	-	-1	-	-157
Statistical differences	-1	-	-	-	-	-4	-1	4	-	-
TRANSFORMATION	6427	-	821	20	10	-	-	-	-	2
Electricity plants	-	-	-	-	4	-	-	-	-	1
CHP plants	-	-	-	-	6	-	-	-	-	1
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	6427	-	821	20	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	268	-	-	-	-	1
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	268	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	1
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	1
FINAL CONSUMPTION	-	-	-	-	32	495	468	19	-	1999
INDUSTRY	-	-	-	-	32	11	-	-	-	37
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	32	-	-	-	-	1
Non-ferrous metals	-	-	-	-	-	3	-	-	-	-
Non-metallic minerals	-	-	-	-	-	1	-	-	-	4
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	1	-	-	-	5
Mining and quarrying	-	-	-	-	-	-	-	-	-	2
Food and tobacco	-	-	-	-	-	4	-	-	-	5
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	1	-	-	-	19
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	1	-	-	-	-
TRANSPORT	-	-	-	-	-	451	468	19	-	1830
Domestic aviation	-	-	-	-	-	-	-	19	-	-
Road	-	-	-	-	-	451	468	-	-	1817
Rail	-	-	-	-	-	-	-	-	-	13
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	33	-	-	-	132
Residential	-	-	-	-	-	25	-	-	-	-
Comm. and public services	-	-	-	-	-	6	-	-	-	17
Agriculture/forestry	-	-	-	-	-	2	-	-	-	115
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1297	366	93	36	46927	89	2511	2529	45277	48202
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	73	-	400	143	1528	139	-	-	4568	-
Exports	-1262	-358	-1	-2	-4128	-33	-	-	-10940	-
Intl. marine bunkers	-19	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	7	-8	-16	-	-43	-	-	-	-	-
DOMESTIC SUPPLY	96	-	476	177	44284	195	2511	2529	38905	48202
Transfers	-10	-	-	-18	-	-	-	-	-	-
Statistical differences	-6	-	-2	1	-	-	-	-	-41	31
TRANSFORMATION	15	-	262	-	2598	-	1569	-	-	673
Electricity plants	13	-	16	-	65	-	507	-	-	673
CHP plants	2	-	243	-	1491	-	1062	-	-	-
Heat plants	-	-	3	-	959	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	83	-	-	-	-	-
ENERGY IND. OWN USE	26	-	93	-	-	-	-	-	6389	8445
Fuel mining and extraction	-	-	-	-	-	-	-	-	651	965
Oil refineries	26	-	93	-	-	-	-	-	654	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	4056	2616
Pumped storage plants	-	-	-	-	-	-	-	-	918	-
Other energy ind. own use	-	-	-	-	-	-	-	-	110	4864
Losses	-	-	-	-	-	-	-	-	3577	6331
FINAL CONSUMPTION	39	-	119	160	41686	195	942	2529	28898	32784
INDUSTRY	23	-	118	-	9498	-	-	2529	8910	12717
Iron and steel	-	-	-	-	2	-	-	-	724	-
Chemical and petrochemical	2	-	-	-	33	-	-	-	1262	11015
Non-ferrous metals	10	-	-	-	-	-	-	-	770	763
Non-metallic minerals	1	-	118	-	5	-	-	2529	892	4
Transport equipment	-	-	-	-	1	-	-	-	109	1
Machinery	-	-	-	-	20	-	-	-	984	24
Mining and quarrying	4	-	-	-	2	-	-	-	1083	-
Food and tobacco	2	-	-	-	1020	-	-	-	1218	360
Paper, pulp and print	-	-	-	-	6513	-	-	-	436	17
Wood and wood products	-	-	-	-	1632	-	-	-	200	-
Construction	4	-	-	-	5	-	-	-	251	71
Textile and leather	-	-	-	-	73	-	-	-	372	448
Non-specified	-	-	-	-	192	-	-	-	609	14
TRANSPORT	-	-	-	-	-	195	-	-	354	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	195	-	-	55	-
Rail	-	-	-	-	-	-	-	-	274	-
Pipeline transport	-	-	-	-	-	-	-	-	25	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	16	-	-	-	32188	-	942	-	19634	20067
Residential	-	-	-	-	31737	-	-	-	10733	13591
Comm. and public services	-	-	-	-	350	-	302	-	8678	6144
Agriculture/forestry	-	-	-	-	101	-	640	-	221	332
Fishing	-	-	-	-	-	-	-	-	2	-
Non-specified	16	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	1	160	-	-	-	-	-	-
in industry/transf./energy	-	-	1	160	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	41	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Cambodia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	1429	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	1429	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	1394	-	-	-	-	-	-	-	-
Electricity plants	-	-	1394	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	35	-	-	-	-	-	-	-	-
INDUSTRY	-	-	35	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	35	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	194	491	105	-	1239
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-86	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	194	491	19	-	1239
Transfers	-	-	-	-	-	-	14	-	-	-
Statistical differences	-	-	-	-	-	-1	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	25
Electricity plants	-	-	-	-	-	-	-	-	-	25
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	193	505	19	-	1214
INDUSTRY	-	-	-	-	-	10	-	-	-	114
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	10	-	-	-	114
TRANSPORT	-	-	-	-	-	29	505	19	-	1054
Domestic aviation	-	-	-	-	-	-	-	19	-	-
Road	-	-	-	-	-	29	505	-	-	805
Rail	-	-	-	-	-	-	-	-	-	197
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	52
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	154	-	-	-	46
Residential	-	-	-	-	-	48	-	-	-	-
Comm. and public services	-	-	-	-	-	106	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	46
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	181401	-	-	-	5594	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	139	14	-	25	-	-	-	-	1583	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	139	14	-	25	181401	-	-	-	7177	-
Transfers	-	-14	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-2	-
TRANSFORMATION	75	-	-	-	25594	-	-	-	-	-
Electricity plants	75	-	-	-	602	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	24992	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	186	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	186	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	936	-
FINAL CONSUMPTION	64	-	-	25	155807	-	-	-	6053	-
INDUSTRY	64	-	-	-	39640	-	-	-	1511	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	64	-	-	-	39640	-	-	-	1511	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	116167	-	-	-	4542	-
Residential	-	-	-	-	116167	-	-	-	1883	-
Comm. and public services	-	-	-	-	-	-	-	-	2651	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	8	-
NON-ENERGY USE	-	-	-	25	-	-	-	-	-	-
in industry/transf./energy	-	-	-	2	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	23	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Cameroon

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	20710
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	20710
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-227
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	20483
Electricity plants	-	-	-	-	-	-	-	-	-	-	20483
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Cameroon

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	4673	-	-	-	67	13	292	106	121	572
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1354	-	-	-	-	76	248	1	3	300
Exports	-4222	-	-	-	-	-	-40	-88	-39	-138
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-101	-	-
Stock changes	-	-	-	-	-	-	-	-	6	-
DOMESTIC SUPPLY	1805	-	-	-	67	89	500	-82	91	734
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	7	2	87	4	34
TRANSFORMATION	1805	-	-	-	-	-	-	-	-	239
Electricity plants	-	-	-	-	-	-	-	-	-	239
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1805	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	24	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	24	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	43	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	96	502	5	95	529
INDUSTRY	-	-	-	-	-	3	-	-	-	27
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	3	-	-	-	27
TRANSPORT	-	-	-	-	-	-	502	5	-	502
Domestic aviation	-	-	-	-	-	-	-	5	-	-
Road	-	-	-	-	-	-	502	-	-	502
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	93	-	-	95	-
Residential	-	-	-	-	-	68	-	-	88	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	25	-	-	7	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Cameroon

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	270	-	-	155	266800	-	7	-	8367	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	59	-	-	-	-	55	-
Exports	-3	-	-	-83	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	4	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	271	-	-	131	266800	-	7	-	8422	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-150	-	-	-62	-1790	-	-1	-	-	-
TRANSFORMATION	83	-	-	-	40612	-	-	-	-	-
Electricity plants	83	-	-	-	26	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	40586	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	245	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	245	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1752	-
FINAL CONSUMPTION	38	-	-	69	224398	-	6	-	6425	-
INDUSTRY	38	-	-	4	-	-	-	-	3582	-
Iron and steel	-	-	-	-	-	-	-	-	95	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	1566	-
Non-metallic minerals	-	-	-	4	-	-	-	-	151	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	634	-
Food and tobacco	-	-	-	-	-	-	-	-	210	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	31	-
Non-specified	38	-	-	-	-	-	-	-	895	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	224398	-	6	-	2843	-
Residential	-	-	-	-	180963	-	-	-	1373	-
Comm. and public services	-	-	-	-	43435	-	-	-	502	-
Agriculture/forestry	-	-	-	-	-	-	-	-	61	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	6	-	907	-
NON-ENERGY USE	-	-	-	65	-	-	-	-	-	-
in industry/transf./energy	-	-	-	5	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	23	-	-	-	-	-	-
in other	-	-	-	37	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Colombia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	4352	86160	-	-	2369	-	-	1450	1130	-	445589
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	504
Exports	-1205	-82120	-	-	-1773	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	2019	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	3147	6059	-	-	596	-	-	1450	1130	-	446093
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-648	-	-	-269	-	-	-	-	-	37834
TRANSFORMATION	2247	2407	-	-	141	-	-	-	384	-	138920
Electricity plants	-	2407	-	-	-	-	-	-	384	-	138920
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	141	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	2247	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	923	-	-	172915
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	125962
Oil refineries	-	-	-	-	-	-	-	-	-	-	46953
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	923	-	-	-
Losses	-	-	-	-	-	-	-	-	145	-	-
FINAL CONSUMPTION	900	3004	-	-	186	-	-	527	601	-	172092
INDUSTRY	900	2905	-	-	186	-	-	527	601	-	55952
Iron and steel	900	-	-	-	182	-	-	527	601	-	11048
Chemical and petrochemical	-	266	-	-	3	-	-	-	-	-	6673
Non-ferrous metals	-	4	-	-	-	-	-	-	-	-	867
Non-metallic minerals	-	1525	-	-	-	-	-	-	-	-	9674
Transport equipment	-	-	-	-	-	-	-	-	-	-	505
Machinery	-	-	-	-	1	-	-	-	-	-	656
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	459	-	-	-	-	-	-	-	-	14627
Paper, pulp and print	-	453	-	-	-	-	-	-	-	-	6129
Wood and wood products	-	-	-	-	-	-	-	-	-	-	265
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	198	-	-	-	-	-	-	-	-	4981
Non-specified	-	-	-	-	-	-	-	-	-	-	527
TRANSPORT	-	-	-	-	-	-	-	-	-	-	24655
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	24655
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	99	-	-	-	-	-	-	-	-	91485
Residential	-	99	-	-	-	-	-	-	-	-	46269
Comm. and public services	-	-	-	-	-	-	-	-	-	-	16003
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	29213
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Colombia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	45796	262	-	-	367	538	3836	1091	66	4574
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	12	1545	122	-	3019
Exports	-32420	-	-	-	-	-46	-	-	-	-699
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-112
Intl. aviation bunkers	-	-	-	-	-	-	-	-1282	-	-
Stock changes	2898	-	-	-	-	-	3	-	-	266
DOMESTIC SUPPLY	16274	262	-	-	367	504	5384	-69	66	7048
Transfers	-359	-262	-	-	-	262	-	-	-	-
Statistical differences	-	-	-	-	-	-55	-388	81	-	-
TRANSFORMATION	15692	-	-	-	-	-	-	-	17	674
Electricity plants	253	-	-	-	-	-	-	-	17	674
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	15439	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	216	-	-	-	367	175	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	216	-	-	-	367	175	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	7	-	-	-	-	536	4996	12	49	6374
INDUSTRY	7	-	-	-	-	18	7	-	-	64
Iron and steel	-	-	-	-	-	1	-	-	-	7
Chemical and petrochemical	-	-	-	-	-	2	1	-	-	5
Non-ferrous metals	-	-	-	-	-	1	1	-	-	1
Non-metallic minerals	-	-	-	-	-	2	2	-	-	30
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	1
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	8	3	-	-	18
Paper, pulp and print	7	-	-	-	-	1	-	-	-	1
Wood and wood products	-	-	-	-	-	2	-	-	-	1
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	-	-
TRANSPORT	-	-	-	-	-	-	4989	12	-	4739
Domestic aviation	-	-	-	-	-	-	-	12	-	-
Road	-	-	-	-	-	-	4976	-	-	4737
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	3	-	-	2
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	518	-	-	49	1571
Residential	-	-	-	-	-	360	-	-	12	-
Comm. and public services	-	-	-	-	-	61	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	97	-	-	37	1571
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Colombia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3934	343	-	381	226720	42	-	-	76904	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	378	-
Exports	-2748	-	-	-	-431	-	-	-	-45	-
Intl. marine bunkers	-217	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-1031	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-62	343	-	381	226289	42	-	-	77237	-
Transfers	359	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-242	-	-	-	-3290	-
TRANSFORMATION	199	-	-	-	19705	-	-	-	-	-
Electricity plants	199	-	-	-	17657	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	2048	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	6798	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	4771	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	2027	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	7000	-
FINAL CONSUMPTION	98	343	-	381	206342	42	-	-	60149	-
INDUSTRY	15	343	-	-	73146	-	-	-	18932	-
Iron and steel	-	-	-	-	31	-	-	-	2298	-
Chemical and petrochemical	-	343	-	-	846	-	-	-	2746	-
Non-ferrous metals	-	-	-	-	-	-	-	-	223	-
Non-metallic minerals	7	-	-	-	196	-	-	-	2043	-
Transport equipment	-	-	-	-	-	-	-	-	133	-
Machinery	-	-	-	-	-	-	-	-	271	-
Mining and quarrying	-	-	-	-	-	-	-	-	4197	-
Food and tobacco	6	-	-	-	65125	-	-	-	3836	-
Paper, pulp and print	-	-	-	-	6791	-	-	-	1700	-
Wood and wood products	1	-	-	-	42	-	-	-	137	-
Construction	-	-	-	-	-	-	-	-	105	-
Textile and leather	1	-	-	-	115	-	-	-	995	-
Non-specified	-	-	-	-	-	-	-	-	248	-
TRANSPORT	-	-	-	-	-	42	-	-	96	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	42	-	-	-	-
Rail	-	-	-	-	-	-	-	-	96	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	83	-	-	-	133196	-	-	-	41121	-
Residential	-	-	-	-	114988	-	-	-	22690	-
Comm. and public services	-	-	-	-	-	-	-	-	13217	-
Agriculture/forestry	-	-	-	-	17494	-	-	-	597	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	83	-	-	-	714	-	-	-	4617	-
NON-ENERGY USE	-	-	-	381	-	-	-	-	-	-
in industry/transf./energy	-	-	-	381	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Congo

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	9923
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	9923
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-687
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	9236
Electricity plants	-	-	-	-	-	-	-	-	-	-	9236
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	12030	730	-	-	-	7	73	57	19	253
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	92	11	-	215
Exports	-11237	-707	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-41	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	793	23	-	-	-	7	165	27	19	468
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	1	-	-	-	-
TRANSFORMATION	793	23	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	793	23	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	8	165	27	19	468
INDUSTRY	-	-	-	-	-	-	-	-	-	23
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	23
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	165	27	-	445
Domestic aviation	-	-	-	-	-	-	-	27	-	-
Road	-	-	-	-	-	-	165	-	-	352
Rail	-	-	-	-	-	-	-	-	-	93
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	8	-	-	19	-
Residential	-	-	-	-	-	8	-	-	19	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Congo

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	312	9	-	16	65359	-	-	-	1753	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	10	-	-	-	-	18	-
Exports	-312	-	-	-	-	-	-	-	-22	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	9	-	26	65359	-	-	-	1749	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	31	-	-	-	32	-
TRANSFORMATION	-	-	-	-	12832	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	12832	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	196	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	196	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	780	-
FINAL CONSUMPTION	-	9	-	26	52558	-	-	-	805	-
INDUSTRY	-	-	-	-	-	-	-	-	376	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	376	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	52558	-	-	-	429	-
Residential	-	-	-	-	51880	-	-	-	429	-
Comm. and public services	-	-	-	-	678	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	9	-	26	-	-	-	-	-	-
in industry/transf./energy	-	9	-	26	-	-	-	-	-	-
of which: chem./petrochem.	-	9	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Costa Rica

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	1118	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	1	-	-	124	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	1	-	-	124	-	-	-	1118	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	99	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	99	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	1	-	-	25	-	-	-	1118	-	-
INDUSTRY	-	1	-	-	25	-	-	-	1118	-	-
Iron and steel	-	-	-	-	25	-	-	-	1118	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	1	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Costa Rica

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	158	915	188	-	999
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-187	-	-
Stock changes	-	-	-	-	-	-1	-20	9	-	22
DOMESTIC SUPPLY	-	-	-	-	-	157	895	10	-	1021
Transfers	-	-	-	-	-	-	-	-6	6	4
Statistical differences	-	-	-	-	-	2	20	-1	1	-3
TRANSFORMATION	-	-	-	-	-	-	-	-	-	4
Electricity plants	-	-	-	-	-	-	-	-	-	4
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	159	915	3	7	1018
INDUSTRY	-	-	-	-	-	66	-	-	4	65
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	1	-	-	-	2
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	27	-	-	-	35
Paper, pulp and print	-	-	-	-	-	1	-	-	-	3
Wood and wood products	-	-	-	-	-	2	-	-	-	2
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	1	-	-	-	11
Non-specified	-	-	-	-	-	34	-	-	4	12
TRANSPORT	-	-	-	-	-	10	909	3	-	877
Domestic aviation	-	-	-	-	-	-	-	3	-	-
Road	-	-	-	-	-	10	909	-	-	876
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	83	6	-	3	76
Residential	-	-	-	-	-	61	-	-	1	-
Comm. and public services	-	-	-	-	-	22	-	-	-	8
Agriculture/forestry	-	-	-	-	-	-	6	-	2	43
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	25
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Costa Rica

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	25916	-	4	-	10881	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	139	-	-	77	-	-	-	-	807	-
Exports	-	-	-	-	-	-	-	-	-657	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	18	-	-	-3	-	-	-	-	-	-
DOMESTIC SUPPLY	157	-	-	74	25916	-	4	-	11031	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1	-	-	5	-3	-	-	-	8	-
TRANSFORMATION	38	-	-	-	1461	-	1	-	-	-
Electricity plants	38	-	-	-	118	-	1	-	-	-
CHP plants	-	-	-	-	1196	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	147	-	-	-	-	-
ENERGY IND. OWN USE	10	-	-	-	-	-	-	-	124	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	10	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	124	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1130	-
FINAL CONSUMPTION	108	-	-	79	24452	-	3	-	9785	-
INDUSTRY	103	-	-	-	19029	-	-	-	1956	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	8	-	-	-	-	-	-	-	394	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	60	-	-	-	12837	-	-	-	652	-
Paper, pulp and print	9	-	-	-	389	-	-	-	38	-
Wood and wood products	1	-	-	-	5363	-	-	-	123	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	3	-	-	-	-	-	-	-	68	-
Non-specified	22	-	-	-	440	-	-	-	681	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	5	-	-	-	5423	-	3	-	7829	-
Residential	-	-	-	-	4297	-	3	-	3720	-
Comm. and public services	4	-	-	-	1126	-	-	-	3704	-
Agriculture/forestry	-	-	-	-	-	-	-	-	331	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	1	-	-	-	-	-	-	-	74	-
NON-ENERGY USE	-	-	-	79	-	-	-	-	-	-
in industry/transf./energy	-	-	-	79	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Côte d'Ivoire

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	87679
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	87679
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-1
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	73437
Electricity plants	-	-	-	-	-	-	-	-	-	-	73437
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	14241
INDUSTRY	-	-	-	-	-	-	-	-	-	-	14241
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	14241
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Côte d'Ivoire

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	2007	6	-	-	25	16	693	625	13	1237
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2386	-	34	-	-	248	-	-	-	-
Exports	-1870	-	-	-	-	-1	-230	-468	-	-226
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-72
Intl. aviation bunkers	-	-	-	-	-	-	-	-159	-	-
Stock changes	-	-	48	-	-	-	-	-	-	-
DOMESTIC SUPPLY	2523	6	82	-	25	263	463	-2	13	939
Transfers	-	-6	-	-	-	6	-	-13	-	-
Statistical differences	695	-	-	-	-	-	-3	22	-	84
TRANSFORMATION	3218	-	82	-	-	-	-	-	-	2
Electricity plants	-	-	-	-	-	-	-	-	-	2
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	3218	-	82	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	25	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	25	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	269	460	7	13	1021
INDUSTRY	-	-	-	-	-	43	-	-	-	203
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	43	-	-	-	203
TRANSPORT	-	-	-	-	-	-	460	7	13	662
Domestic aviation	-	-	-	-	-	-	-	7	-	-
Road	-	-	-	-	-	-	460	-	-	552
Rail	-	-	-	-	-	-	-	-	-	13
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	97
Non-specified	-	-	-	-	-	-	-	-	13	-
OTHER	-	-	-	-	-	226	-	-	-	156
Residential	-	-	-	-	-	161	-	-	-	-
Comm. and public services	-	-	-	-	-	65	-	-	-	44
Agriculture/forestry	-	-	-	-	-	-	-	-	-	112
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Côte d'Ivoire

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	317	-	-	278	391854	-	-	-	10253	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	19	-
Exports	-235	-	-	-205	-	-	-	-	-1877	-
Intl. marine bunkers	-7	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	75	-	-	73	391854	-	-	-	8395	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	360	-
TRANSFORMATION	22	-	-	-	206575	-	-	-	-	-
Electricity plants	22	-	-	-	1941	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	204634	-	-	-	-	-
ENERGY IND. OWN USE	32	-	-	-	-	-	-	-	513	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	32	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	513	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	1355	-	-	-	1627	-
FINAL CONSUMPTION	21	-	-	73	183924	-	-	-	6615	-
INDUSTRY	21	-	-	-	-	-	-	-	2177	-
Iron and steel	-	-	-	-	-	-	-	-	104	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	110	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	19	-	-	-	-	-	-	-	795	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	524	-
Construction	-	-	-	-	-	-	-	-	57	-
Textile and leather	-	-	-	-	-	-	-	-	153	-
Non-specified	2	-	-	-	-	-	-	-	434	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	183924	-	-	-	4438	-
Residential	-	-	-	-	163607	-	-	-	2093	-
Comm. and public services	-	-	-	-	20317	-	-	-	2334	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	11	-
NON-ENERGY USE	-	-	-	73	-	-	-	-	-	-
in industry/transf./energy	-	-	-	73	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Croatia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	63692
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	1045	-	44	30	-	-	-	-	-	48902
Exports	-	-	-	-	-	-	-	-	-	-	-15057
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-25	-	6	-1	-	-	-	-	-	3437
DOMESTIC SUPPLY	-	1020	-	50	29	-	-	-	-	-	100974
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	974	-	9	-	-	-	-	-	-	27148
Electricity plants	-	974	-	-	-	-	-	-	-	-	2556
CHP plants	-	-	-	9	-	-	-	-	-	-	17849
Heat plants	-	-	-	-	-	-	-	-	-	-	2745
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	3998
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	6960
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	3511
Oil refineries	-	-	-	-	-	-	-	-	-	-	3449
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	1292
FINAL CONSUMPTION	-	46	-	41	29	-	-	-	-	-	65574
INDUSTRY	-	46	-	34	29	-	-	-	-	-	16599
Iron and steel	-	-	-	-	-	-	-	-	-	-	73
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	4880
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	101
Non-metallic minerals	-	46	-	3	24	-	-	-	-	-	3333
Transport equipment	-	-	-	-	-	-	-	-	-	-	104
Machinery	-	-	-	-	-	-	-	-	-	-	897
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	31	5	-	-	-	-	-	4454
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	1929
Wood and wood products	-	-	-	-	-	-	-	-	-	-	43
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	476
Non-specified	-	-	-	-	-	-	-	-	-	-	309
TRANSPORT	-	-	-	-	-	-	-	-	-	-	170
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	170
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	7	-	-	-	-	-	-	31173
Residential	-	-	-	7	-	-	-	-	-	-	21673
Comm. and public services	-	-	-	-	-	-	-	-	-	-	8425
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	1075
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	17632
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	17632
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	17632
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Croatia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	684	59	-	-	155	208	864	116	-	1434
From other sources	71	-	-	-	-	-	-	-	-	-
Imports	2513	-	421	60	-	54	194	22	4	1008
Exports	-	-	-	-	-	-155	-517	-10	-	-675
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-3
Intl. aviation bunkers	-	-	-	-	-	-	-	-118	-	-
Stock changes	27	-	-36	6	-	-2	-7	-	-	-3
DOMESTIC SUPPLY	3295	59	385	66	155	105	534	10	4	1761
Transfers	-	-40	-	-	-	40	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	3295	19	385	66	3	-	-	-	-	5
Electricity plants	-	-	-	-	-	-	-	-	-	1
CHP plants	-	-	-	-	3	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	4
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	3295	19	385	66	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	152	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	152	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	145	534	10	4	1756
INDUSTRY	-	-	-	-	-	10	4	-	4	107
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	4	-
Non-ferrous metals	-	-	-	-	-	1	-	-	-	1
Non-metallic minerals	-	-	-	-	-	2	-	-	-	2
Transport equipment	-	-	-	-	-	-	-	-	-	1
Machinery	-	-	-	-	-	3	-	-	-	1
Mining and quarrying	-	-	-	-	-	-	-	-	-	10
Food and tobacco	-	-	-	-	-	1	-	-	-	7
Paper, pulp and print	-	-	-	-	-	1	-	-	-	1
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	2	4	-	-	82
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	1
TRANSPORT	-	-	-	-	-	71	523	10	-	1339
Domestic aviation	-	-	-	-	-	-	-	10	-	-
Road	-	-	-	-	-	71	523	-	-	1279
Rail	-	-	-	-	-	-	-	-	-	18
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	42
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	64	7	-	-	310
Residential	-	-	-	-	-	49	-	-	-	84
Comm. and public services	-	-	-	-	-	13	-	-	-	44
Agriculture/forestry	-	-	-	-	-	2	7	-	-	155
Fishing	-	-	-	-	-	-	-	-	-	27
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Croatia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	601	64	53	220	64112	1	1952	425	12820	11411
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	46	-	186	166	1225	-	-	-	12398	-
Exports	-451	-67	-6	-195	-13079	-1	-	-	-6867	-
Intl. marine bunkers	-2	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-29	3	-22	-21	165	-	-	-	-	-
DOMESTIC SUPPLY	165	-	211	170	52423	-	1952	425	18351	11411
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	1	-	-	-	-
TRANSFORMATION	14	-	-	-	4082	-	1881	-	-	-
Electricity plants	-	-	-	-	-	-	259	-	-	-
CHP plants	10	-	-	-	3730	-	1622	-	-	-
Heat plants	4	-	-	-	3	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	349	-	-	-	-	-
ENERGY IND. OWN USE	122	-	36	-	-	-	27	-	1245	610
Fuel mining and extraction	-	-	-	-	-	-	-	-	158	-
Oil refineries	122	-	36	-	-	-	-	-	257	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	536	473
Pumped storage plants	-	-	-	-	-	-	-	-	294	-
Other energy ind. own use	-	-	-	-	-	-	27	-	-	137
Losses	-	-	-	-	-	-	44	-	1806	1487
FINAL CONSUMPTION	29	-	175	170	48341	1	-	425	15300	9314
INDUSTRY	24	-	175	-	816	-	-	425	3426	2550
Iron and steel	-	-	-	-	-	-	-	-	50	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	305	672
Non-ferrous metals	-	-	-	-	4	-	-	-	32	-
Non-metallic minerals	3	-	175	-	53	-	-	425	575	-
Transport equipment	1	-	-	-	1	-	-	-	91	-
Machinery	1	-	-	-	8	-	-	-	466	385
Mining and quarrying	-	-	-	-	-	-	-	-	49	-
Food and tobacco	13	-	-	-	98	-	-	-	713	506
Paper, pulp and print	5	-	-	-	2	-	-	-	309	26
Wood and wood products	-	-	-	-	366	-	-	-	279	862
Construction	-	-	-	-	-	-	-	-	78	-
Textile and leather	1	-	-	-	2	-	-	-	149	44
Non-specified	-	-	-	-	282	-	-	-	330	55
TRANSPORT	-	-	-	-	-	1	-	-	251	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	1	-	-	-	-
Rail	-	-	-	-	-	-	-	-	217	-
Pipeline transport	-	-	-	-	-	-	-	-	34	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	5	-	-	-	47525	-	-	-	11623	6764
Residential	2	-	-	-	47235	-	-	-	6128	4991
Comm. and public services	2	-	-	-	291	-	-	-	5433	1578
Agriculture/forestry	1	-	-	-	-	-	-	-	62	195
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	170	-	-	-	-	-	-
in industry/transf./energy	-	-	-	148	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	13	-	-	-	-	-	-
in transport	-	-	-	21	-	-	-	-	-	-
in other	-	-	-	1	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Cuba

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	11	-	43809
From other sources	-	-	-	-	-	-	-	-	-	-	674
Imports	-	2	-	-	1	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	2	-	-	1	-	-	-	11	-	44483
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	1	-	-	-	-	-	29250
Electricity plants	-	-	-	-	-	-	-	-	-	-	29250
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	1	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	2	-	-	-	-	-	-	11	-	15233
INDUSTRY	-	2	-	-	-	-	-	-	11	-	12755
Iron and steel	-	-	-	-	-	-	-	-	11	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	2	-	-	-	-	-	-	-	-	12755
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	2478
Residential	-	-	-	-	-	-	-	-	-	-	2299
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	179
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Cuba

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	2543	97	-	-	13	15	270	138	18	586
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2228	-	-	-	-	95	-	573	57	990
Exports	-	-	-	-	-	-	-47	-620	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-32
Intl. aviation bunkers	-	-	-	-	-	-	-	-91	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	4771	97	-	-	13	110	223	-	75	1544
Transfers	-	-97	-	-	-	15	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	4351	-	-	-	-	-	-	-	-	463
Electricity plants	1365	-	-	-	-	-	-	-	-	463
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2986	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	13	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	13	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	420	-	-	-	-	125	223	-	75	1081
INDUSTRY	420	-	-	-	-	10	-	-	-	408
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	10	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	78
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	420	-	-	-	-	-	-	-	-	330
TRANSPORT	-	-	-	-	-	-	223	-	-	240
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	223	-	-	240
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	115	-	-	75	433
Residential	-	-	-	-	-	77	-	-	75	-
Comm. and public services	-	-	-	-	-	7	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	122
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	31	-	-	-	311
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Cuba

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1333	82	5	145	46197	369	-	-	20458	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2036	-	-	33	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-609	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	2760	82	5	178	46197	369	-	-	20458	-
Transfers	-	82	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	10	-	-	1	-
TRANSFORMATION	1241	15	-	-	12292	-	-	-	-	-
Electricity plants	1241	-	-	-	9390	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	15	-	-	2902	-	-	-	-	-
ENERGY IND. OWN USE	-	149	5	-	-	-	-	-	1058	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	149	5	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	1058	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	3117	-
FINAL CONSUMPTION	1519	-	-	178	33905	379	-	-	16284	-
INDUSTRY	1028	-	-	-	30279	-	-	-	3773	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	10	-	-	-	1	-	-	-	87	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	1018	-	-	-	30278	-	-	-	3686	-
TRANSPORT	12	-	-	-	-	-	-	-	287	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	287	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	12	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	479	-	-	-	3626	379	-	-	12224	-
Residential	-	-	-	-	417	371	-	-	8809	-
Comm. and public services	-	-	-	-	374	-	-	-	3095	-
Agriculture/forestry	16	-	-	-	1935	-	-	-	320	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	463	-	-	-	899	8	-	-	-	-
NON-ENERGY USE	-	-	-	178	-	-	-	-	-	-
in industry/transf./energy	-	-	-	152	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	26	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ²		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Please refer to section 'Geographical Coverage'.

2. Includes blast furnace gas and other recovered gases.

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2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ⁴	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁵	Aviation fuels ⁶	Other kerosene	Gas / Diesel ⁵
Production	-	-	-	-	169	45	1788	574	-	1610
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	8091	51	448	-	-	-	71	58	-	471
Exports	-	-	-	-	-	-38	-1788	-572	-	-1598
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-198
Intl. aviation bunkers	-	-	-	-	-	-	-	-60	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	8091	51	448	-	169	7	71	-	-	285
Transfers	-	-51	-	-	-	51	-	-	-	-
Statistical differences	-	-	-	-	-	-2	-	-	-	-
TRANSFORMATION	8091	-	448	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	8091	-	448	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	169	7	-	-	-	12
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	169	7	-	-	-	12
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	49	71	-	-	273
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	71	-	-	273
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	71	-	-	273
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	49	-	-	-	-
Residential	-	-	-	-	-	49	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Please refer to section 'Geographical Coverage'.

4. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

5. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

6. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁸ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2996	353	66	615	-	-	-	-	884	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1683	-	-	98	-	-	-	-	-	-
Exports	-2917	-353	-	-269	-	-	-	-	-	-
Intl. marine bunkers	-1410	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	352	-	66	444	-	-	-	-	884	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	145	-	-	-	-	-	-	-	-	-
Electricity plants	145	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	79	-	66	342	-	-	-	-	83	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	79	-	66	342	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	83	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	141	-
FINAL CONSUMPTION	128	-	-	102	-	-	-	-	660	-
INDUSTRY	128	-	-	-	-	-	-	-	362	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	128	-	-	-	-	-	-	-	362	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	298	-
Residential	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	298	-
NON-ENERGY USE	-	-	-	102	-	-	-	-	-	-
in industry/transf./energy	-	-	-	102	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

7. Please refer to section 'Geographical coverage'.

8. Includes both primary and secondary solid biofuels.

Cyprus¹

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ²		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Please refer to section 'Geographical Coverage'.

2. Includes blast furnace gas and other recovered gases.

Cyprus³

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ⁴	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁵	Aviation fuels ⁶	Other kerosene	Gas / Diesel ⁵
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	53	356	290	12	616
Exports	-	-	-	-	-	-	-	-16	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-95
Intl. aviation bunkers	-	-	-	-	-	-	-	-263	-	-
Stock changes	-	-	-	-	-	-	-4	-11	-	10
DOMESTIC SUPPLY	-	-	-	-	-	53	352	-	12	531
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	2	2	1	2	10
TRANSFORMATION	-	-	-	-	-	-	-	-	-	152
Electricity plants	-	-	-	-	-	-	-	-	-	152
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	55	354	1	14	389
INDUSTRY	-	-	-	-	-	6	-	-	-	16
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	1
Non-ferrous metals	-	-	-	-	-	1	-	-	-	1
Non-metallic minerals	-	-	-	-	-	1	-	-	-	2
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	2
Food and tobacco	-	-	-	-	-	4	-	-	-	3
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	7
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	354	-	-	264
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	354	-	-	264
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	49	-	1	14	109
Residential	-	-	-	-	-	35	-	-	14	65
Comm. and public services	-	-	-	-	-	11	-	-	-	15
Agriculture/forestry	-	-	-	-	-	2	-	-	-	21
Fishing	-	-	-	-	-	-	-	-	-	2
Non-specified	-	-	-	-	-	1	-	1	-	6
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Please refer to section 'Geographical Coverage'.

4. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

5. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

6. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Cyprus⁷

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁸ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	387	-	492	206	4887	50
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1095	-	147	46	466	10	-	1137	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-193	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	4	-	-24	-2	-33	-	-	-253	-	-
DOMESTIC SUPPLY	906	-	123	44	820	10	492	1090	4887	50
Transfers	5	-	-	-	-	-	-	-	-	-
Statistical differences	2	-	-	-3	-	-	-1	-	-	-
TRANSFORMATION	883	-	-	-	101	-	312	-	-	-
Electricity plants	883	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	312	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	101	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	225	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	3	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	220	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	2	-
Losses	-	-	-	-	-	-	-	-	263	-
FINAL CONSUMPTION	30	-	123	41	719	10	179	1090	4399	50
INDUSTRY	26	-	123	-	112	-	-	1090	486	-
Iron and steel	-	-	-	-	-	-	-	-	2	-
Chemical and petrochemical	1	-	-	-	21	-	-	-	43	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	10	-	123	-	55	-	-	1090	154	-
Transport equipment	-	-	-	-	-	-	-	-	2	-
Machinery	-	-	-	-	-	-	-	-	20	-
Mining and quarrying	-	-	-	-	-	-	-	-	29	-
Food and tobacco	9	-	-	-	36	-	-	-	170	-
Paper, pulp and print	1	-	-	-	-	-	-	-	16	-
Wood and wood products	-	-	-	-	-	-	-	-	6	-
Construction	3	-	-	-	-	-	-	-	4	-
Textile and leather	-	-	-	-	-	-	-	-	5	-
Non-specified	2	-	-	-	-	-	-	-	35	-
TRANSPORT	-	-	-	-	-	10	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	10	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	4	-	-	-	607	-	179	-	3913	50
Residential	-	-	-	-	376	-	-	-	1585	-
Comm. and public services	4	-	-	-	231	-	16	-	2065	-
Agriculture/forestry	-	-	-	-	-	-	163	-	168	50
Fishing	-	-	-	-	-	-	-	-	4	-
Non-specified	-	-	-	-	-	-	-	-	91	-
NON-ENERGY USE	-	-	-	41	-	-	-	-	-	-
in industry/transf./energy	-	-	-	40	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	1	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

7. Please refer to section 'Geographical coverage'.

8. Includes both primary and secondary solid biofuels.

Democratic People's Republic of Korea

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	28305	2755	-	-	-	-	-	1838	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	1240	-	-	200	-	-	-	-	-	-
Exports	-	-22586	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	6959	2755	-	200	-	-	-	1838	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-2	-	-	-	-	-	-
TRANSFORMATION	-	967	258	-	168	-	-	-	-	-	-
Electricity plants	-	967	258	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	168	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	5992	2497	-	30	-	-	-	1838	-	-
INDUSTRY	-	4761	1571	-	30	-	-	-	1838	-	-
Iron and steel	-	-	-	-	30	-	-	-	1838	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	4761	1571	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	1231	926	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	1231	926	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Democratic People's Republic of Korea

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	178	-	37	191
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	532	-	-	-	-	-	17	-	1	71
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	532	-	-	-	-	-	195	-	38	262
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	532	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	532	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	195	-	38	262
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	195	-	-	262
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	195	-	-	262
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	38	-
Residential	-	-	-	-	-	-	-	-	38	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Democratic People's Republic of Korea

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	109	-	-	-	46381	-	-	-	16926	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	422	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	531	-	-	-	46381	-	-	-	16926	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	422	-	-	-	9381	-	-	-	-	-
Electricity plants	422	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	9381	-	-	-	-	-
ENERGY IND. OWN USE	16	-	-	-	-	-	-	-	1605	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	16	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	1605	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	2676	-
FINAL CONSUMPTION	93	-	-	-	37000	-	-	-	12645	-
INDUSTRY	93	-	-	-	-	-	-	-	6323	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	93	-	-	-	-	-	-	-	6323	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	37000	-	-	-	6322	-
Residential	-	-	-	-	5051	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	31949	-	-	-	6322	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Democratic Republic of the Congo

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	14
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	14
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	14
Electricity plants	-	-	-	-	-	-	-	-	-	-	14
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Democratic Republic of the Congo

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	996	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	239	115	1	362
Exports	-996	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-115	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	239	-	1	362
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	1
TRANSFORMATION	-	-	-	-	-	-	-	-	-	3
Electricity plants	-	-	-	-	-	-	-	-	-	3
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	239	-	1	360
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	239	-	-	360
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	239	-	-	270
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	90
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	1	-
Residential	-	-	-	-	-	-	-	-	1	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Democratic Republic of the Congo

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	1181137	-	-	-	9135	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	22	-	-	4	-	-	-	-	20	-
Exports	-	-	-	-	-	-	-	-	-420	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	22	-	-	4	1181137	-	-	-	8735	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	142	-
TRANSFORMATION	-	-	-	-	315323	-	-	-	-	-
Electricity plants	-	-	-	-	3114	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	312209	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	660	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	660	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1216	-
FINAL CONSUMPTION	22	-	-	4	865814	-	-	-	7001	-
INDUSTRY	22	-	-	-	132700	-	-	-	3848	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	22	-	-	-	132700	-	-	-	3848	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	733114	-	-	-	3153	-
Residential	-	-	-	-	733114	-	-	-	2440	-
Comm. and public services	-	-	-	-	-	-	-	-	713	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	4	-	-	-	-	-	-
in industry/transf./energy	-	-	-	4	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Dominican Republic

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	1123	-	-	475	-	-	-	-	-	40803
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-38	-	-	-	-	-	-	-	-	-358
DOMESTIC SUPPLY	-	1085	-	-	475	-	-	-	-	-	40445
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	45	-	-	-	-	-	-	-	-	714
TRANSFORMATION	-	970	-	-	-	-	-	-	-	-	36282
Electricity plants	-	970	-	-	-	-	-	-	-	-	36282
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	28	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	132	-	-	475	-	-	-	-	-	4877
INDUSTRY	-	132	-	-	475	-	-	-	-	-	4008
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	772
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	108	-	-	475	-	-	-	-	-	453
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	24	-	-	-	-	-	-	-	-	1390
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	44
Non-specified	-	-	-	-	-	-	-	-	-	-	1349
TRANSPORT	-	-	-	-	-	-	-	-	-	-	869
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	869
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Dominican Republic

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	11	17	105	200	9	307
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1207	-	-	-	-	936	810	310	-	1136
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-497	-	-
Stock changes	-2	-	-	-	-	3	-7	1	-	22
DOMESTIC SUPPLY	1205	-	-	-	11	956	908	14	9	1465
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	11	-	-	-	-	12	-2	-	-	-
TRANSFORMATION	1216	-	-	-	-	-	15	-	-	719
Electricity plants	-	-	-	-	-	-	15	-	-	719
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1216	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	11	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	11	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	968	891	14	9	746
INDUSTRY	-	-	-	-	-	62	25	-	-	102
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	20
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	7	-	-	-	12
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	24	-	-	-	35
Paper, pulp and print	-	-	-	-	-	2	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	14	24	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	15	1	-	-	34
TRANSPORT	-	-	-	-	-	419	866	14	-	578
Domestic aviation	-	-	-	-	-	-	-	14	-	-
Road	-	-	-	-	-	-	866	-	-	578
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	419	-	-	-	-
OTHER	-	-	-	-	-	487	-	-	9	66
Residential	-	-	-	-	-	432	-	-	9	-
Comm. and public services	-	-	-	-	-	55	-	-	-	19
Agriculture/forestry	-	-	-	-	-	-	-	-	-	47
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Dominican Republic

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	308	124	-	-	35365	-	-	-	19414	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1517	-	-	214	-	-	-	-	-	-
Exports	-	-	-	-	-123	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-5	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1820	124	-	214	35242	-	-	-	19414	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	154	-	-	-	-	-
TRANSFORMATION	1628	-	-	-	3370	-	-	-	-	-
Electricity plants	1628	-	-	-	955	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	2415	-	-	-	-	-
ENERGY IND. OWN USE	34	-	-	-	-	-	-	-	663	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	663	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	34	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	2391	-
FINAL CONSUMPTION	158	124	-	214	32026	-	-	-	16360	-
INDUSTRY	158	-	-	-	10802	-	-	-	6117	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	2	-	-	-	-	-	-	-	740	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	68	-	-	-	-	-	-	-	1746	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	50	-	-	-	-	-	-	-	1750	-
Paper, pulp and print	21	-	-	-	-	-	-	-	251	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	14	-	-	-	-	-	-	-	205	-
Non-specified	3	-	-	-	10802	-	-	-	1425	-
TRANSPORT	-	-	-	-	-	-	-	-	54	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	54	-
OTHER	-	-	-	-	21224	-	-	-	10189	-
Residential	-	-	-	-	21130	-	-	-	5425	-
Comm. and public services	-	-	-	-	94	-	-	-	3772	-
Agriculture/forestry	-	-	-	-	-	-	-	-	992	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	124	-	214	-	-	-	-	-	-
in industry/transf./energy	-	124	-	214	-	-	-	-	-	-
of which: chem./petrochem.	-	124	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Ecuador

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	27747
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	27747
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-116
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	25759
Electricity plants	-	-	-	-	-	-	-	-	-	-	25759
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	3
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	3
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	1869
INDUSTRY	-	-	-	-	-	-	-	-	-	-	1850
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	1850
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	19
Residential	-	-	-	-	-	-	-	-	-	-	19
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Ecuador

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	27897	181	-	-	-	162	1495	339	2	1889
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	852	1878	4	-	2420
Exports	-19297	-	-	-	-	-61	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-321	-	-
Stock changes	34	-	-	-	-	-1	-12	-2	-	-13
DOMESTIC SUPPLY	8634	181	-	-	-	1013	3300	20	2	4296
Transfers	-	-181	-	-	-	102	79	-	-	-
Statistical differences	112	-	-	-	-	-	26	-16	-	1
TRANSFORMATION	8551	-	-	-	-	17	-	-	-	592
Electricity plants	332	-	-	-	-	17	-	-	-	592
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	8219	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	103	-	-	-	-	17	19	-	2	134
Fuel mining and extraction	103	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	19	-	2	134
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	17	-	-	-	-
Losses	92	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	1081	3386	4	-	3571
INDUSTRY	-	-	-	-	-	212	1	-	-	610
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	137	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	75	1	-	-	610
TRANSPORT	-	-	-	-	-	6	2586	4	-	2686
Domestic aviation	-	-	-	-	-	-	-	4	-	-
Road	-	-	-	-	-	6	2586	-	-	2433
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	253
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	863	799	-	-	275
Residential	-	-	-	-	-	796	-	-	-	-
Comm. and public services	-	-	-	-	-	49	-	-	-	274
Agriculture/forestry	-	-	-	-	-	18	91	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	708	-	-	1
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Ecuador

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3839	-	-	459	31615	29	153	-	27314	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	478	-	-	-	-	-	-	-	82	-
Exports	-2487	-	-	-61	-	-	-	-	-402	-
Intl. marine bunkers	-293	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1537	-	-	398	31615	29	153	-	26994	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-81	-	-	-	-	-	-	-	452	-
TRANSFORMATION	1078	-	-	4	11756	-	153	-	-	-
Electricity plants	1078	-	-	4	11756	-	153	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	210	-	-	-	-	-	-	-	456	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	210	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	456	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	3499	-
FINAL CONSUMPTION	168	-	-	394	19859	29	-	-	23491	-
INDUSTRY	139	-	-	14	11223	-	-	-	9372	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	139	-	-	14	11223	-	-	-	9372	-
TRANSPORT	-	-	-	-	-	29	-	-	10	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	29	-	-	10	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	29	-	-	-	8636	-	-	-	14109	-
Residential	-	-	-	-	8636	-	-	-	7105	-
Comm. and public services	29	-	-	-	-	-	-	-	4965	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	2039	-
NON-ENERGY USE	-	-	-	380	-	-	-	-	-	-
in industry/transf./energy	-	-	-	380	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Egypt

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	223	-	56	-	4452	-	1381636
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	257	-	-	-	371	-	-	-	-	-	714886
Exports	-	-	-	-	-76	-	-	-	-	-	-11489
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	257	-	-	-	518	-	56	-	4452	-	2085033
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-271080
TRANSFORMATION	257	-	-	-	409	-	-	-	-	-	1132300
Electricity plants	-	-	-	-	-	-	-	-	-	-	1132300
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	409	-	-	-	-	-	-
Gas works	10	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	247	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	167616
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	167616
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	109	-	56	-	4452	-	514037
INDUSTRY	-	-	-	-	109	-	-	-	4452	-	225693
Iron and steel	-	-	-	-	109	-	-	-	4452	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	225693
TRANSPORT	-	-	-	-	-	-	-	-	-	-	15430
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	15430
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	56	-	-	-	73158
Residential	-	-	-	-	-	-	56	-	-	-	73158
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	199756
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	199756
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	199756
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Egypt

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	32835	1329	-	-	125	547	4903	2255	70	7203
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2957	-	-	-	-	2105	3093	28	-	7029
Exports	-13192	-	-	-	-	-	-33	-1448	-63	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-45
Intl. aviation bunkers	-	-	-	-	-	-	-	-528	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	22600	1329	-	-	125	2652	7963	307	7	14187
Transfers	69	-1329	-	-	-	1329	-	-	-	-69
Statistical differences	2283	-	-	-	-	404	-801	287	-	459
TRANSFORMATION	24952	-	-	-	-	-	-	-	-	1253
Electricity plants	-	-	-	-	-	-	-	-	-	1253
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	24952	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	125	-	-	-	-	585
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	585
Oil refineries	-	-	-	-	125	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	4385	7162	594	7	12739
INDUSTRY	-	-	-	-	-	20	-	-	5	2749
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	20	-	-	5	2749
TRANSPORT	-	-	-	-	-	-	7162	594	-	9140
Domestic aviation	-	-	-	-	-	-	-	594	-	-
Road	-	-	-	-	-	-	7162	-	-	9140
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	4365	-	-	2	850
Residential	-	-	-	-	-	4365	-	-	2	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	850
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Egypt

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	7486	752	237	1221	77705	-	-	-	194327	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	3214	-	-	177	48	-	-	-	54	-
Exports	-	-438	-	-19	-1147	-	-	-	-747	-
Intl. marine bunkers	-145	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	10555	314	237	1379	76606	-	-	-	193634	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	870	-	-	-	-	-	-	-	-1847	-
TRANSFORMATION	8885	-	-	-	-	-	-	-	-	-
Electricity plants	8885	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	120	-	-	-	-	-	-	-	6475	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	120	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	6475	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	23037	-
FINAL CONSUMPTION	2420	314	237	1379	76606	-	-	-	162275	-
INDUSTRY	2083	-	-	-	-	-	-	-	40316	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	2083	-	-	-	-	-	-	-	40316	-
TRANSPORT	260	-	-	-	-	-	-	-	582	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	582	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	260	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	77	-	-	-	76606	-	-	-	121377	-
Residential	-	-	-	-	37508	-	-	-	74856	-
Comm. and public services	-	-	-	-	-	-	-	-	39174	-
Agriculture/forestry	77	-	-	-	-	-	-	-	7347	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	39098	-	-	-	-	-
NON-ENERGY USE	-	314	237	1379	-	-	-	-	-	-
in industry/transf./energy	-	314	237	1379	-	-	-	-	-	-
of which: chem./petrochem.	-	314	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	311	591	167	-	678
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-167	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	311	591	-	-	678
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	311	591	-	-	678
INDUSTRY	-	-	-	-	-	85	-	-	-	159
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	85	-	-	-	159
TRANSPORT	-	-	-	-	-	2	591	-	-	518
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	2	591	-	-	518
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	224	-	-	-	1
Residential	-	-	-	-	-	205	-	-	-	-
Comm. and public services	-	-	-	-	-	19	-	-	-	1
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	22815	-	522	-	5984	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	592	-	-	20	-	-	-	-	1066	-
Exports	-	-	-	-	-	-	-	-	-78	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	592	-	-	20	22815	-	522	-	6972	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-7	-	-	-	31	-	-1	-	-59	-
TRANSFORMATION	505	-	-	-	12457	-	497	-	-	-
Electricity plants	505	-	-	-	11247	-	497	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	1210	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	301	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	301	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	24	-	890	-
FINAL CONSUMPTION	80	-	-	20	10388	-	-	-	5722	-
INDUSTRY	72	-	-	-	934	-	-	-	1778	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	34	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	72	-	-	-	934	-	-	-	1744	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	8	-	-	-	9454	-	-	-	3944	-
Residential	-	-	-	-	8089	-	-	-	1896	-
Comm. and public services	8	-	-	-	1366	-	-	-	1632	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	416	-
NON-ENERGY USE	-	-	-	20	-	-	-	-	-	-
in industry/transf./energy	-	-	-	20	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Eritrea

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Eritrea

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	2	12	1	15	89
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-1	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	2	12	-	15	89
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	39
Electricity plants	-	-	-	-	-	-	-	-	-	39
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	2	12	-	15	50
INDUSTRY	-	-	-	-	-	-	-	-	-	1
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	1
TRANSPORT	-	-	-	-	-	-	12	-	-	49
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	12	-	-	49
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	2	-	-	15	-
Residential	-	-	-	-	-	2	-	-	14	-
Comm. and public services	-	-	-	-	-	-	-	-	1	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Eritrea

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	30208	-	-	-	421	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	82	-	-	2	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	82	-	-	2	30208	-	-	-	421	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	76	-	-	-	10410	-	-	-	-	-
Electricity plants	76	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	10410	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	21	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	21	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	62	-
FINAL CONSUMPTION	6	-	-	2	19798	-	-	-	338	-
INDUSTRY	5	-	-	-	-	-	-	-	88	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	5	-	-	-	-	-	-	-	88	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1	-	-	-	19798	-	-	-	250	-
Residential	-	-	-	-	18849	-	-	-	144	-
Comm. and public services	1	-	-	-	948	-	-	-	106	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	2	-	-	-	-	-	-
in industry/transf./energy	-	-	-	2	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Ethiopia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	442	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	442	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	442	-	-	-	-	-	-	-	-	-
INDUSTRY	-	442	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	442	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Ethiopia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	8	331	514	276	2077
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-442	-	-
Stock changes	-	-	-	-	-	-	-	7	-	-
DOMESTIC SUPPLY	-	-	-	-	-	8	331	79	276	2077
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	2	-	-8	-12
TRANSFORMATION	-	-	-	-	-	-	-	-	-	1
Electricity plants	-	-	-	-	-	-	-	-	-	1
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	8	333	79	268	2064
INDUSTRY	-	-	-	-	-	-	-	-	-	488
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	488
TRANSPORT	-	-	-	-	-	-	333	79	-	1251
Domestic aviation	-	-	-	-	-	-	-	79	-	-
Road	-	-	-	-	-	-	333	-	-	1251
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	8	-	-	268	325
Residential	-	-	-	-	-	8	-	-	268	-
Comm. and public services	-	-	-	-	-	-	-	-	-	57
Agriculture/forestry	-	-	-	-	-	-	-	-	-	134
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	134
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Ethiopia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	1969536	10	-	-	11226	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	76	39	227	95	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-179	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	76	39	227	95	1969536	10	-	-	11047	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-4	3	-	-	-	-	-	-	-2	-
TRANSFORMATION	-	-	-	-	384115	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	384115	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	337	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	337	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1906	-
FINAL CONSUMPTION	72	42	227	95	1585421	10	-	-	8802	-
INDUSTRY	72	42	227	-	-	-	-	-	3035	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	227	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	72	42	-	-	-	-	-	-	3035	-
TRANSPORT	-	-	-	-	-	10	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	10	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	1585421	-	-	-	5767	-
Residential	-	-	-	-	1569627	-	-	-	3307	-
Comm. and public services	-	-	-	-	15794	-	-	-	2395	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	65	-
NON-ENERGY USE	-	-	-	95	-	-	-	-	-	-
in industry/transf./energy	-	-	-	95	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Former Yugoslav Republic of Macedonia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	5152	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	26	161	19	1	-	-	-	-	-	8190
Exports	-	-	-2	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	3	16	56	1	-	-	-	-	-	-
DOMESTIC SUPPLY	-	29	175	5227	2	-	-	-	-	-	8190
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	5184	-	-	-	-	-	-	6400
Electricity plants	-	-	-	5184	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	5114
Heat plants	-	-	-	-	-	-	-	-	-	-	1286
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	20
FINAL CONSUMPTION	-	29	175	43	2	-	-	-	-	-	1770
INDUSTRY	-	29	175	31	2	-	-	-	-	-	1496
Iron and steel	-	29	102	27	2	-	-	-	-	-	982
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	44
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	73	-	-	-	-	-	-	-	50
Transport equipment	-	-	-	-	-	-	-	-	-	-	123
Machinery	-	-	-	-	-	-	-	-	-	-	6
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	261
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	16
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	4	-	-	-	-	-	-	3
Non-specified	-	-	-	-	-	-	-	-	-	-	11
TRANSPORT	-	-	-	-	-	-	-	-	-	-	7
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	7
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	12	-	-	-	-	-	-	267
Residential	-	-	-	4	-	-	-	-	-	-	4
Comm. and public services	-	-	-	4	-	-	-	-	-	-	263
Agriculture/forestry	-	-	-	4	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	79	107	28	-	725
Exports	-	-	-	-	-	-2	-3	-13	-	-110
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-15	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-12
DOMESTIC SUPPLY	-	-	-	-	-	77	104	-	-	603
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	2
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	2
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	77	104	-	-	601
INDUSTRY	-	-	-	-	-	10	-	-	-	43
Iron and steel	-	-	-	-	-	-	-	-	-	1
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	1
Non-ferrous metals	-	-	-	-	-	1	-	-	-	-
Non-metallic minerals	-	-	-	-	-	6	-	-	-	3
Transport equipment	-	-	-	-	-	-	-	-	-	1
Machinery	-	-	-	-	-	1	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	13
Food and tobacco	-	-	-	-	-	2	-	-	-	7
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	14
Textile and leather	-	-	-	-	-	-	-	-	-	3
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	53	103	-	-	498
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	53	103	-	-	496
Rail	-	-	-	-	-	-	-	-	-	2
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	14	1	-	-	60
Residential	-	-	-	-	-	7	-	-	-	4
Comm. and public services	-	-	-	-	-	7	-	-	-	48
Agriculture/forestry	-	-	-	-	-	-	1	-	-	8
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	7752	-	134	-	5629	2239
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	95	-	91	151	795	-	-	-	2191	-
Exports	-5	-	-45	-2	-27	-	-	-	-160	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-1	-	-7	-	-283	-	-	-	-	-
DOMESTIC SUPPLY	89	-	39	149	8237	-	134	-	7660	2239
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	28	-	-	-	-	-	134	-	-	-
Electricity plants	28	-	-	-	-	-	134	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	1	-	-	-	460	2
Fuel mining and extraction	-	-	-	-	-	-	-	-	95	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	1	-	-	-	345	2
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	20	-
Losses	-	-	-	-	-	-	-	-	1007	304
FINAL CONSUMPTION	61	-	39	149	8236	-	-	-	6193	1933
INDUSTRY	48	-	39	-	267	-	-	-	1591	65
Iron and steel	27	-	32	-	2	-	-	-	840	65
Chemical and petrochemical	1	-	-	-	-	-	-	-	64	-
Non-ferrous metals	-	-	-	-	-	-	-	-	13	-
Non-metallic minerals	8	-	7	-	1	-	-	-	131	-
Transport equipment	-	-	-	-	2	-	-	-	67	-
Machinery	1	-	-	-	9	-	-	-	45	-
Mining and quarrying	-	-	-	-	1	-	-	-	148	-
Food and tobacco	7	-	-	-	207	-	-	-	144	-
Paper, pulp and print	-	-	-	-	2	-	-	-	10	-
Wood and wood products	-	-	-	-	12	-	-	-	4	-
Construction	1	-	-	-	5	-	-	-	19	-
Textile and leather	3	-	-	-	17	-	-	-	55	-
Non-specified	-	-	-	-	9	-	-	-	51	-
TRANSPORT	-	-	-	-	-	-	-	-	14	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	14	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	13	-	-	-	7969	-	-	-	4588	1868
Residential	-	-	-	-	7744	-	-	-	3057	1369
Comm. and public services	7	-	-	-	174	-	-	-	1495	499
Agriculture/forestry	6	-	-	-	51	-	-	-	36	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	149	-	-	-	-	-	-
in industry/transf./energy	-	-	-	141	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	8	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Gabon

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	20776
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	20776
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-4733
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	15034
Electricity plants	-	-	-	-	-	-	-	-	-	-	15034
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	893
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	893
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	116
INDUSTRY	-	-	-	-	-	-	-	-	-	-	116
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	56
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	60
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Gabon

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	11366	-	-	-	-	13	72	61	27	222
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	23	10	27	10	433
Exports	-10561	-	-	-	-	-	-	-23	-	-6
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-74
Intl. aviation bunkers	-	-	-	-	-	-	-	-65	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	805	-	-	-	-	36	82	-	37	575
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	805	-	-	-	-	-	-	-	-	61
Electricity plants	-	-	-	-	-	-	-	-	-	61
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	805	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	36	82	-	37	514
INDUSTRY	-	-	-	-	-	-	-	-	13	285
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	13	285
TRANSPORT	-	-	-	-	-	-	82	-	-	174
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	82	-	-	174
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	36	-	-	24	55
Residential	-	-	-	-	-	36	-	-	24	-
Comm. and public services	-	-	-	-	-	-	-	-	-	39
Agriculture/forestry	-	-	-	-	-	-	-	-	-	16
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Gabon

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	397	-	-	12	164101	-	-	-	2336	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	344	-
Exports	-219	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-108	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	70	-	-	12	164101	-	-	-	2680	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	352	-	-	-	-	-
Electricity plants	-	-	-	-	352	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	147	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	45	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	102	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	517	-
FINAL CONSUMPTION	70	-	-	12	163749	-	-	-	2016	-
INDUSTRY	70	-	-	-	113936	-	-	-	546	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	2	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	79	-
Food and tobacco	-	-	-	-	-	-	-	-	155	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	198	-
Construction	-	-	-	-	-	-	-	-	90	-
Textile and leather	-	-	-	-	-	-	-	-	2	-
Non-specified	70	-	-	-	113936	-	-	-	20	-
TRANSPORT	-	-	-	-	-	-	-	-	8	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	8	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	49813	-	-	-	1462	-
Residential	-	-	-	-	49813	-	-	-	1048	-
Comm. and public services	-	-	-	-	-	-	-	-	304	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	110	-
NON-ENERGY USE	-	-	-	12	-	-	-	-	-	-
in industry/transf./energy	-	-	-	12	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Georgia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	297	-	-	-	-	-	-	257
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	104	-	-	147	-	-	-	-	-	87706
Exports	-	-	-	-2	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-9	-	-8	-21	-	-	-	-	-	-
DOMESTIC SUPPLY	-	95	-	287	126	-	-	-	-	-	87963
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	27	-	-	-	-	-	-	20284
Electricity plants	-	-	-	27	-	-	-	-	-	-	20284
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	1	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	1	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	5297
FINAL CONSUMPTION	-	95	-	259	126	-	-	-	-	-	62382
INDUSTRY	-	94	-	256	126	-	-	-	-	-	4489
Iron and steel	-	-	-	-	126	-	-	-	-	-	509
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	159
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	92	-	255	-	-	-	-	-	-	1493
Transport equipment	-	-	-	-	-	-	-	-	-	-	16
Machinery	-	-	-	-	-	-	-	-	-	-	4
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	78
Food and tobacco	-	2	-	-	-	-	-	-	-	-	1486
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	82
Wood and wood products	-	-	-	1	-	-	-	-	-	-	12
Construction	-	-	-	-	-	-	-	-	-	-	564
Textile and leather	-	-	-	-	-	-	-	-	-	-	39
Non-specified	-	-	-	-	-	-	-	-	-	-	47
TRANSPORT	-	-	-	-	-	-	-	-	-	-	10733
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	10733
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	1	-	3	-	-	-	-	-	-	38511
Residential	-	-	-	2	-	-	-	-	-	-	30683
Comm. and public services	-	1	-	1	-	-	-	-	-	-	7420
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	408
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	8649
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	8649
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	8649
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Georgia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	39	-	-	-	-	-	7	-	-	9
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	43	-	-	-	-	13	576	71	-	658
Exports	-18	-	-97	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-71	-	-
Stock changes	-	-	-	-	-	3	14	1	-	-16
DOMESTIC SUPPLY	64	-	-97	-	-	16	597	1	-	651
Transfers	-	-	97	-	-	-	-	-	-	-
Statistical differences	5	-	-	-	-	-	-	-	-	-
TRANSFORMATION	26	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	26	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	16	597	1	-	651
INDUSTRY	-	-	-	-	-	-	-	-	-	75
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	16
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	59
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	597	1	-	552
Domestic aviation	-	-	-	-	-	-	-	1	-	-
Road	-	-	-	-	-	-	597	-	-	541
Rail	-	-	-	-	-	-	-	-	-	10
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	16	-	-	-	24
Residential	-	-	-	-	-	16	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	10
Agriculture/forestry	-	-	-	-	-	-	-	-	-	14
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Georgia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	8	3	-	-	16232	-	-	-	11574	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	54	-	8	127	-	-	-	-	1329	-
Exports	-19	-	-	-2	-55	-	-	-	-1409	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	23	-3	-	2	-	-	-	-	-	-
DOMESTIC SUPPLY	66	-	8	127	16177	-	-	-	11494	-
Transfers	-54	-	-	-	-	-	-	-	-	-
Statistical differences	-10	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	1	-	-	-	-	223	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	14	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	209	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	1	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	784	-
FINAL CONSUMPTION	2	-	8	126	16177	-	-	-	10487	-
INDUSTRY	-	-	8	-	63	-	-	-	2902	-
Iron and steel	-	-	-	-	-	-	-	-	1435	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	262	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	8	-	-	-	-	-	319	-
Transport equipment	-	-	-	-	-	-	-	-	3	-
Machinery	-	-	-	-	-	-	-	-	5	-
Mining and quarrying	-	-	-	-	-	-	-	-	131	-
Food and tobacco	-	-	-	-	63	-	-	-	208	-
Paper, pulp and print	-	-	-	-	-	-	-	-	15	-
Wood and wood products	-	-	-	-	-	-	-	-	7	-
Construction	-	-	-	-	-	-	-	-	132	-
Textile and leather	-	-	-	-	-	-	-	-	12	-
Non-specified	-	-	-	-	-	-	-	-	373	-
TRANSPORT	1	-	-	-	-	-	-	-	300	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	1	-	-	-	-	-	-	-	300	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1	-	-	-	16114	-	-	-	7285	-
Residential	-	-	-	-	15934	-	-	-	2423	-
Comm. and public services	1	-	-	-	180	-	-	-	2882	-
Agriculture/forestry	-	-	-	-	-	-	-	-	53	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	1927	-
NON-ENERGY USE	-	-	-	126	-	-	-	-	-	-
in industry/transf./energy	-	-	-	108	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	16	-	-	-	-	-	-
in other	-	-	-	2	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Ghana

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	24765
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	4223
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	28988
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-7317
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	21671
Electricity plants	-	-	-	-	-	-	-	-	-	-	21671
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	4614	-	-	-	23	114	244	38	25	255
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1446	-	-	-	-	178	1236	121	31	1720
Exports	-4272	-	-	-	-	-25	-272	-115	-	-170
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-140	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1788	-	-	-	23	267	1208	-96	56	1805
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-534	-	-	-	-	14	-131	96	-	-40
TRANSFORMATION	1254	-	-	-	-	-	-	-	-	-
Electricity plants	484	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	770	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	23	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	23	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	281	1077	-	56	1765
INDUSTRY	-	-	-	-	-	42	-	-	-	469
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	42	-	-	-	469
TRANSPORT	-	-	-	-	-	-	1069	-	-	1233
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	1069	-	-	1067
Rail	-	-	-	-	-	-	-	-	-	75
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	91
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	239	8	-	56	63
Residential	-	-	-	-	-	207	-	-	56	-
Comm. and public services	-	-	-	-	-	32	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	63
Fishing	-	-	-	-	-	-	8	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	64	-	-	-	150825	-	-	-	13023	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	21	-	-	176	-	-	-	-	511	-
Exports	-70	-	-	-	-92	-	-	-	-187	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	15	-	-	176	150733	-	-	-	13347	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	12	-	-	-	-	-	-	-	45	-
TRANSFORMATION	-	-	-	-	49452	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	49452	-	-	-	-	-
ENERGY IND. OWN USE	14	-	-	-	-	-	-	-	78	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	14	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	78	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	3185	-
FINAL CONSUMPTION	13	-	-	176	101281	-	-	-	10129	-
INDUSTRY	13	-	-	-	16979	-	-	-	4528	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	13	-	-	-	16979	-	-	-	4528	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	84302	-	-	-	5601	-
Residential	-	-	-	-	78747	-	-	-	3932	-
Comm. and public services	-	-	-	-	5490	-	-	-	1669	-
Agriculture/forestry	-	-	-	-	65	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	176	-	-	-	-	-	-
in industry/transf./energy	-	-	-	176	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	37	8	-	531
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-423
Intl. aviation bunkers	-	-	-	-	-	-	-	-8	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	37	-	-	108
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	37	-	-	108
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	37	-	-	108
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	37	-	-	108
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Gibraltar

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	-	-	-	-	254	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	3474	-	-	25	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-3412	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	62	-	-	25	-	-	-	-	254	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	62	-	-	-	-	-	-	-	-	-
Electricity plants	62	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	5	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	5	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	8	-
FINAL CONSUMPTION	-	-	-	25	-	-	-	-	241	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	241	-
Residential	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	17	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	224	-
NON-ENERGY USE	-	-	-	25	-	-	-	-	-	-
in industry/transf./energy	-	-	-	25	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Guatemala

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	2045	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-242	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	1803	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	1803	-	-	-	-	-	-	-	-	-
Electricity plants	-	1803	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Guatemala

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	490	-	-	-	-	-	-	-	-	41
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	552	1546	64	122	1696
Exports	-405	-	-	-	-	-163	-117	-2	-100	-65
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-348
Intl. aviation bunkers	-	-	-	-	-	-	-	-61	-	-
Stock changes	-24	-	-	-	-	-13	19	-	7	-25
DOMESTIC SUPPLY	61	-	-	-	-	376	1448	1	29	1299
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	1	1	-1	-1	-
TRANSFORMATION	61	-	-	-	-	-	-	-	-	2
Electricity plants	-	-	-	-	-	-	-	-	-	2
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	61	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	41
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	41
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	377	1449	-	28	1256
INDUSTRY	-	-	-	-	-	75	29	-	3	128
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	75	29	-	3	128
TRANSPORT	-	-	-	-	-	4	1420	-	-	1128
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	1420	-	-	1128
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	4	-	-	-	-
OTHER	-	-	-	-	-	298	-	-	25	-
Residential	-	-	-	-	-	290	-	-	24	-
Comm. and public services	-	-	-	-	-	8	-	-	1	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Guatemala

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	14	351897	-	189	-	12450	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	483	-	193	8	-	-	-	-	747	-
Exports	-5	-	-	-18	-	-	-	-	-1335	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-29	-	-9	11	14	-	-	-	-	-
DOMESTIC SUPPLY	449	-	184	15	351911	-	189	-	11862	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-1	-30	-	-	-	3	-
TRANSFORMATION	215	-	-	-	86227	-	189	-	-	-
Electricity plants	215	-	-	-	84038	-	189	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	2189	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	837	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	837	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1433	-
FINAL CONSUMPTION	234	-	184	14	265654	-	-	-	9595	-
INDUSTRY	234	-	184	-	-	-	-	-	3621	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	234	-	184	-	-	-	-	-	3621	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	265654	-	-	-	5974	-
Residential	-	-	-	-	258188	-	-	-	3333	-
Comm. and public services	-	-	-	-	7466	-	-	-	2641	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	14	-	-	-	-	-	-
in industry/transf./energy	-	-	-	14	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Haiti

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	16	217	23	71	511
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-22	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	16	217	1	71	511
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	7	4	-	92
TRANSFORMATION	-	-	-	-	-	-	-	-	-	191
Electricity plants	-	-	-	-	-	-	-	-	-	191
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	9	5	-	-
FINAL CONSUMPTION	-	-	-	-	-	16	215	-	71	412
INDUSTRY	-	-	-	-	-	1	-	-	-	177
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	-	177
TRANSPORT	-	-	-	-	-	-	215	-	-	235
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	215	-	-	235
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	15	-	-	71	-
Residential	-	-	-	-	-	14	-	-	71	-
Comm. and public services	-	-	-	-	-	1	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	140387	-	-	-	1084	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	121	-	-	4	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	121	-	-	4	140387	-	-	-	1084	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-33	-
TRANSFORMATION	111	-	-	-	35016	-	-	-	-	-
Electricity plants	111	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	35016	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	17	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	17	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	617	-
FINAL CONSUMPTION	10	-	-	4	105371	-	-	-	417	-
INDUSTRY	10	-	-	-	3418	-	-	-	187	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	10	-	-	-	3418	-	-	-	187	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	101953	-	-	-	230	-
Residential	-	-	-	-	99920	-	-	-	192	-
Comm. and public services	-	-	-	-	2033	-	-	-	38	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	4	-	-	-	-	-	-
in industry/transf./energy	-	-	-	4	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Honduras

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	164	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	164	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	85	-	-	-	-	-	-	-	-	-
Electricity plants	-	85	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	79	-	-	-	-	-	-	-	-	-
INDUSTRY	-	79	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	79	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Honduras

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	137	615	59	10	908
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-59	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	137	615	-	10	908
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-1	-	-	7	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	38
Electricity plants	-	-	-	-	-	-	-	-	-	38
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	136	615	-	17	870
INDUSTRY	-	-	-	-	-	-	-	-	1	257
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	124
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	1	133
TRANSPORT	-	-	-	-	-	64	615	-	-	613
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	615	-	-	613
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	64	-	-	-	-
OTHER	-	-	-	-	-	72	-	-	16	-
Residential	-	-	-	-	-	72	-	-	16	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Honduras

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	107733	-	-	-	8783	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	977	-	-	-	-	-	-	-	195	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-7	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	139	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1109	-	-	-	107733	-	-	-	8978	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1	-	-	-	-	-	-	-	-427	-
TRANSFORMATION	981	-	-	-	7316	-	-	-	-	-
Electricity plants	981	-	-	-	7296	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	20	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	16	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	16	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1476	-
FINAL CONSUMPTION	127	-	-	-	100417	-	-	-	7059	-
INDUSTRY	88	-	-	-	14180	-	-	-	1908	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	88	-	-	-	14180	-	-	-	1908	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	39	-	-	-	86237	-	-	-	5151	-
Residential	-	-	-	-	81430	-	-	-	2734	-
Comm. and public services	-	-	-	-	4807	-	-	-	2417	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	39	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Hong Kong, China

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	12966
Imports	-	11161	-	-	-	-	-	-	-	-	126730
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	11161	-	-	-	-	-	-	-	-	139696
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	9100	-	-	-	-	-	-	-	-	110882
Electricity plants	-	9100	-	-	-	-	-	-	-	-	110882
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	2061	-	-	-	-	-	-	-	-	28814
INDUSTRY	-	2061	-	-	-	-	-	-	-	-	1477
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	2061	-	-	-	-	-	-	-	-	1477
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	27337
Residential	-	-	-	-	-	-	-	-	-	-	15437
Comm. and public services	-	-	-	-	-	-	-	-	-	-	11900
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Hong Kong, China

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	362	504	6247	4	5052
Exports	-	-	-	-	-	-	-8	-	-	-95
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-2593
Intl. aviation bunkers	-	-	-	-	-	-	-	-6132	-	-
Stock changes	-	-	-	-	-	2	-31	-16	1	-
DOMESTIC SUPPLY	-	-	-	-	-	364	465	99	5	2364
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	9	-	-94	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	13
Electricity plants	-	-	-	-	-	-	-	-	-	13
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	373	465	5	5	2351
INDUSTRY	-	-	-	-	-	7	-	-	1	673
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	7	-	-	1	673
TRANSPORT	-	-	-	-	-	294	465	5	-	1678
Domestic aviation	-	-	-	-	-	-	-	5	-	-
Road	-	-	-	-	-	294	465	-	-	1678
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	72	-	-	4	-
Residential	-	-	-	-	-	-	-	-	4	-
Comm. and public services	-	-	-	-	-	72	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Hong Kong, China

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	2297	6	1787	-	38258	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	6845	281	-	94	123	-	-	-	11622	-
Exports	-264	-	-	-14	-	-	-	-	-1205	-
Intl. marine bunkers	-6527	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	30	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	84	281	-	80	2420	6	1787	-	48675	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-834	-
TRANSFORMATION	84	281	-	-	-	-	1787	-	-	-
Electricity plants	84	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	1211	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	281	-	-	-	-	576	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	2759	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	2759	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1783	-
FINAL CONSUMPTION	-	-	-	80	2420	6	-	-	43299	-
INDUSTRY	-	-	-	-	-	-	-	-	3126	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	3126	-
TRANSPORT	-	-	-	-	-	6	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	6	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	2420	-	-	-	40173	-
Residential	-	-	-	-	2297	-	-	-	11979	-
Comm. and public services	-	-	-	-	-	-	-	-	28093	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	123	-	-	-	101	-
NON-ENERGY USE	-	-	-	80	-	-	-	-	-	-
in industry/transf./energy	-	-	-	80	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Islamic Republic of Iran

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	909	206	-	-	1199	-	-	9195	13254	-	7864956
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	319	15	-	-	26	-	-	-	-	-	230942
Exports	-103	-	-	-	-1	-	-	-	-	-	-356898
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-1	-	-	-	-	-	-
DOMESTIC SUPPLY	1125	221	-	-	1223	-	-	9195	13254	-	7739000
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	509	108	-	-	287	-	-	482	-	-	4129
TRANSFORMATION	1634	-	-	-	1188	-	-	183	6845	-	2431484
Electricity plants	-	-	-	-	-	-	-	183	6845	-	2431484
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	1188	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	1634	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	3804	3602	-	570699
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	357699
Oil refineries	-	-	-	-	-	-	-	-	-	-	206852
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	3804	3602	-	6148
Losses	-	-	-	-	-	-	-	1379	112	-	4128
FINAL CONSUMPTION	-	329	-	-	322	-	-	4311	2695	-	4736818
INDUSTRY	-	315	-	-	5	-	-	4311	2695	-	1562263
Iron and steel	-	-	-	-	-	-	-	4311	2695	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	444243
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	315	-	-	5	-	-	-	-	-	1118020
TRANSPORT	-	-	-	-	-	-	-	-	-	-	318384
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	301052
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	17332
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	14	-	-	-	-	-	-	-	-	2357094
Residential	-	14	-	-	-	-	-	-	-	-	1981139
Comm. and public services	-	-	-	-	-	-	-	-	-	-	298432
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	77523
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	317	-	-	-	-	-	499077
in industry/transf./energy	-	-	-	-	317	-	-	-	-	-	499077
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	499077
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	187209	26429	-	-	1534	2194	15270	1471	2523	27614
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	1555	-	-	4066	-	-	-
Exports	-104500	-16438	-	-	-	-5485	-	-8	-4	-3404
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-226
Intl. aviation bunkers	-	-	-	-	-	-	-	-1461	-	-
Stock changes	-	3838	-	-	-	-199	-	-	-	-
DOMESTIC SUPPLY	82709	13829	-	1555	1534	-3490	19336	2	2519	23984
Transfers	-	-11407	192	-	-	11407	-	-	-	-
Statistical differences	670	1526	-	-	135	3964	-1033	-2	423	-159
TRANSFORMATION	83379	2243	192	1555	-	-	-	-	1	4947
Electricity plants	-	-	-	-	-	-	-	-	1	4947
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	83379	2243	192	1555	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	1705	-	-	1534	471	-	-	-	111
Fuel mining and extraction	-	1705	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	1534	471	-	-	-	111
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	135	11410	18303	-	2941	18767
INDUSTRY	-	-	-	-	135	23	-	-	8	1802
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	135	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	23	-	-	8	1802
TRANSPORT	-	-	-	-	-	25	18269	-	50	13842
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	25	18269	-	-	13836
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	50	6
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	2704	34	-	2728	3123
Residential	-	-	-	-	-	2191	-	-	2649	60
Comm. and public services	-	-	-	-	-	513	34	-	59	651
Agriculture/forestry	-	-	-	-	-	-	-	-	20	2412
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	8658	-	-	155	-
in industry/transf./energy	-	-	-	-	-	8658	-	-	155	-
of which: chem./petrochem.	-	-	-	-	-	8658	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	21842	3602	-	9338	21018	-	282	-	289094	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	63	185	-	-	-	4221	-
Exports	-7177	-670	-	-3503	-	-	-	-	-6688	-
Intl. marine bunkers	-4794	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	9871	2932	-	5898	21203	-	282	-	286627	-
Transfers	-	-106	-	-192	-	-	-	-	-	-
Statistical differences	1029	-1352	-	-3524	-	-	-	-	-542	-
TRANSFORMATION	4234	-	-	-	52	-	282	-	-	-
Electricity plants	4234	-	-	-	-	-	282	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	52	-	-	-	-	-
ENERGY IND. OWN USE	290	-	-	-	-	-	-	-	11617	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	290	-	-	-	-	-	-	-	2625	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	8842	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	150	-
Losses	-	-	-	-	-	-	-	-	33513	-
FINAL CONSUMPTION	6376	1474	-	2182	21151	-	-	-	240955	-
INDUSTRY	1476	-	-	-	-	-	-	-	80680	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	1476	-	-	-	-	-	-	-	80680	-
TRANSPORT	4749	-	-	-	-	-	-	-	436	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	4749	-	-	-	-	-	-	-	436	-
OTHER	151	-	-	-	21151	-	-	-	159839	-
Residential	-	-	-	-	10543	-	-	-	78383	-
Comm. and public services	151	-	-	-	10392	-	-	-	40534	-
Agriculture/forestry	-	-	-	-	-	-	-	-	36222	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	216	-	-	-	4700	-
NON-ENERGY USE	-	1474	-	2182	-	-	-	-	-	-
in industry/transf./energy	-	1474	-	2182	-	-	-	-	-	-
of which: chem./petrochem.	-	1474	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Iraq

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	290397
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	290397
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	225878
Electricity plants	-	-	-	-	-	-	-	-	-	-	225878
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	64519
INDUSTRY	-	-	-	-	-	-	-	-	-	-	54197
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	54197
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	10322
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	10322
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	10322
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	220339	1609	-	-	137	116	2117	211	1148	3287
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	297	2145	448	206	13328
Exports	-187360	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-659	-	-
Stock changes	-3140	-	-	-	-	-1	-	-	-	-
DOMESTIC SUPPLY	29839	1609	-	-	137	412	4262	-	1354	16615
Transfers	5184	-1253	-	-	-	1253	480	-	-77	77
Statistical differences	-1080	-	-	-	-	-	-65	-	-	-3254
TRANSFORMATION	30964	356	-	-	-	-	-	-	-	8380
Electricity plants	8995	-	-	-	-	-	-	-	-	8380
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	21969	356	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	2808	-	-	-	137	-	-	-	-	-
Fuel mining and extraction	2808	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	137	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	171	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	1665	4677	-	1277	5058
INDUSTRY	-	-	-	-	-	-	-	-	-	1686
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	1686
TRANSPORT	-	-	-	-	-	-	4677	-	-	3372
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	4677	-	-	3372
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1665	-	-	1277	-
Residential	-	-	-	-	-	1665	-	-	1277	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	12774	480	-	134	2148	-	-	-	80030	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	11965	-
Exports	-330	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-284	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	12160	480	-	134	2148	-	-	-	91995	-
Transfers	-5184	-480	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-2281	-
TRANSFORMATION	5787	-	-	-	939	-	-	-	-	-
Electricity plants	5787	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	939	-	-	-	-	-
ENERGY IND. OWN USE	961	-	-	-	-	-	-	-	2023	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	961	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	2023	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	48958	-
FINAL CONSUMPTION	228	-	-	134	1209	-	-	-	38733	-
INDUSTRY	228	-	-	-	-	-	-	-	5180	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	228	-	-	-	-	-	-	-	5180	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	1209	-	-	-	33553	-
Residential	-	-	-	-	-	-	-	-	19250	-
Comm. and public services	-	-	-	-	-	-	-	-	2339	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	1209	-	-	-	11964	-
NON-ENERGY USE	-	-	-	134	-	-	-	-	-	-
in industry/transf./energy	-	-	-	134	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	94	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-21	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	73	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	73	-	-	-	-	-	-	-	-	-
INDUSTRY	-	73	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	73	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	9	119	68	1	129
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1224	-	-	-	-	68	360	118	-	262
Exports	-	-	-	-	-	-	-	-	-	-30
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-30
Intl. aviation bunkers	-	-	-	-	-	-	-	-189	-	-
Stock changes	-	-	-	-	-	-1	-3	4	-	10
DOMESTIC SUPPLY	1224	-	-	-	-	76	476	1	1	341
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	1	4	-1	-	10
TRANSFORMATION	1224	-	-	-	-	-	-	-	-	220
Electricity plants	-	-	-	-	-	-	-	-	-	220
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1224	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	77	480	-	1	131
INDUSTRY	-	-	-	-	-	1	4	-	-	24
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	1
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	11
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	4	-	-	12
TRANSPORT	-	-	-	-	-	-	470	-	-	98
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	470	-	-	97
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	76	6	-	1	9
Residential	-	-	-	-	-	32	1	-	1	3
Comm. and public services	-	-	-	-	-	44	-	-	-	1
Agriculture/forestry	-	-	-	-	-	-	5	-	-	5
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	674	52	-	20	12886	-	-	-	4230	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	892	-	-	-	-	52	-	-	-	-
Exports	-8	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-189	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1369	52	-	20	12886	52	-	-	4230	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-74	-	-	-	32	-	-	-	81	-
TRANSFORMATION	666	-	-	-	5571	-	-	-	-	-
Electricity plants	666	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	4251	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	1320	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	27	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	27	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1160	-
FINAL CONSUMPTION	629	52	-	20	7347	52	-	-	3124	-
INDUSTRY	622	52	-	-	3058	-	-	-	1517	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	4	-	-	-	-	-	-	-	46	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	613	-	-	-	-	-	-	-	1019	-
Food and tobacco	1	-	-	-	-	-	-	-	46	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	36	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	4	52	-	-	3058	-	-	-	370	-
TRANSPORT	-	-	-	-	-	52	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	52	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	7	-	-	-	4290	-	-	-	1607	-
Residential	-	-	-	-	1365	-	-	-	1026	-
Comm. and public services	7	-	-	-	2925	-	-	-	91	-
Agriculture/forestry	-	-	-	-	-	-	-	-	465	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	25	-
NON-ENERGY USE	-	-	-	20	-	-	-	-	-	-
in industry/transf./energy	-	-	-	20	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Jordan

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	4011
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	315	-	-	28	-	-	-	-	-	185635
Exports	-	-	-	-	-	-	-	-	-	-	-31987
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	315	-	-	28	-	-	-	-	-	157659
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	2
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	157661
Electricity plants	-	-	-	-	-	-	-	-	-	-	157661
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	315	-	-	28	-	-	-	-	-	-
INDUSTRY	-	315	-	-	28	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	315	-	-	28	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Jordan

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	81	584	294	97	909
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2923	-	-	-	-	327	833	64	-	967
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-2
Intl. aviation bunkers	-	-	-	-	-	-	-	-373	-	-
Stock changes	23	-	-	-	-	-6	37	23	11	6
DOMESTIC SUPPLY	2946	-	-	-	-	402	1454	8	108	1880
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-46	-	-	-	-	12	-68	-	-23	-43
TRANSFORMATION	2900	-	-	-	-	-	-	-	-	49
Electricity plants	-	-	-	-	-	-	-	-	-	49
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2900	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	414	1386	8	85	1788
INDUSTRY	-	-	-	-	-	9	-	-	-	178
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	9	-	-	-	178
TRANSPORT	-	-	-	-	-	-	1386	8	-	1292
Domestic aviation	-	-	-	-	-	-	-	8	-	-
Road	-	-	-	-	-	-	1386	-	-	1292
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	405	-	-	85	318
Residential	-	-	-	-	-	331	-	-	85	91
Comm. and public services	-	-	-	-	-	63	-	-	-	66
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	11	-	-	-	161
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Jordan

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	599	-	-	69	1070	-	48	-	19731	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	239	-	-	-	-	-	334	-
Exports	-	-	-	-	-	-	-	-	-45	-
Intl. marine bunkers	-5	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-77	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	517	-	239	69	1070	-	48	-	20020	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	361	-	-	-	2154	-	-	-	-540	-
TRANSFORMATION	538	-	-	-	1340	-	48	-	-	-
Electricity plants	538	-	-	-	-	-	48	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	1340	-	-	-	-	-
ENERGY IND. OWN USE	195	-	-	-	-	-	-	-	614	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	195	-	-	-	-	-	-	-	105	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	509	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	2072	-
FINAL CONSUMPTION	145	-	239	69	1884	-	-	-	16794	-
INDUSTRY	143	-	239	-	-	-	-	-	3859	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	135	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	239	-	-	-	-	-	501	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	404	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	143	-	-	-	-	-	-	-	2819	-
TRANSPORT	2	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	2	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	1884	-	-	-	12935	-
Residential	-	-	-	-	536	-	-	-	7515	-
Comm. and public services	-	-	-	-	455	-	-	-	2868	-
Agriculture/forestry	-	-	-	-	-	-	-	-	2552	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	893	-	-	-	-	-
NON-ENERGY USE	-	-	-	69	-	-	-	-	-	-
in industry/transf./energy	-	-	-	69	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Kazakhstan

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	15468	81856	-	5750	2840	-	-	16909	23669	-	1630883
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	24	-	-	835	-	-	-	-	-	267676
Exports	-1127	-22662	-	-2204	-4	-	-	-	-	-	-577495
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	2026	-	177	20	-	-	-	-	-	15419
DOMESTIC SUPPLY	14341	61244	-	3723	3691	-	-	16909	23669	-	1336483
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-538	-	-177	-	-	-	-	-	-	-65922
TRANSFORMATION	9211	43402	-	335	2458	-	-	-	-	-	257658
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	13	43402	-	335	-	-	-	-	-	-	257658
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	2458	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	9198	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	485	-	-	-	-	-	16909	-	-	836105
Fuel mining and extraction	-	485	-	-	-	-	-	-	-	-	791723
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	16909	-	-	44382
Losses	-	5619	-	-	-	-	-	-	-	-	22665
FINAL CONSUMPTION	5130	11200	-	3211	1233	-	-	-	23669	-	154133
INDUSTRY	5130	8325	-	2462	1233	-	-	-	23669	-	76866
Iron and steel	-	5250	-	-	1233	-	-	-	23669	-	14279
Chemical and petrochemical	-	44	-	2	-	-	-	-	-	-	19861
Non-ferrous metals	-	1589	-	-	-	-	-	-	-	-	8564
Non-metallic minerals	-	-	-	6	-	-	-	-	-	-	-
Transport equipment	-	4	-	-	-	-	-	-	-	-	310
Machinery	-	63	-	-	-	-	-	-	-	-	691
Mining and quarrying	-	1247	-	15	-	-	-	-	-	-	20417
Food and tobacco	-	62	-	20	-	-	-	-	-	-	9976
Paper, pulp and print	-	1	-	-	-	-	-	-	-	-	823
Wood and wood products	-	1	-	-	-	-	-	-	-	-	43
Construction	-	62	-	1	-	-	-	-	-	-	1558
Textile and leather	-	2	-	-	-	-	-	-	-	-	344
Non-specified	5130	-	-	2418	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	2875	-	749	-	-	-	-	-	-	57406
Residential	-	1451	-	672	-	-	-	-	-	-	13196
Comm. and public services	-	1181	-	77	-	-	-	-	-	-	43049
Agriculture/forestry	-	243	-	-	-	-	-	-	-	-	1161
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	19861
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	19861
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	19861
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Kazakhstan

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	78032	1267	-	-	111	844	2939	272	2	4652
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	23	-	-	-	-	1	1134	151	-	434
Exports	-60969	-	-	-	-	-1876	-1	-15	-	-55
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-144
Intl. aviation bunkers	-	-	-	-	-	-	-	-305	-	-2
Stock changes	-197	-	-	-	-	-	397	-1	12	-46
DOMESTIC SUPPLY	16889	1267	-	-	111	-1031	4469	102	14	4839
Transfers	-	-1267	-	-	-	1267	-	-	-	-
Statistical differences	-314	-	-	-	-	328	-	25	38	812
TRANSFORMATION	14765	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	14765	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	1577	-	-	-	111	3	-	8	-	202
Fuel mining and extraction	1577	-	-	-	-	-	-	-	-	131
Oil refineries	-	-	-	-	111	-	-	8	-	71
Elec., CHP and heat plants	-	-	-	-	-	3	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	189	-	-	-	-	14	3	-	-	2
FINAL CONSUMPTION	520	-	-	-	-	547	4466	119	52	5447
INDUSTRY	520	-	-	-	-	108	-	-	27	3091
Iron and steel	-	-	-	-	-	56	-	-	-	40
Chemical and petrochemical	-	-	-	-	-	1	-	-	-	14
Non-ferrous metals	-	-	-	-	-	1	-	-	-	96
Non-metallic minerals	-	-	-	-	-	17	-	-	-	37
Transport equipment	-	-	-	-	-	-	-	-	-	2
Machinery	-	-	-	-	-	2	-	-	13	5
Mining and quarrying	-	-	-	-	-	7	-	-	2	844
Food and tobacco	-	-	-	-	-	6	-	-	-	53
Paper, pulp and print	-	-	-	-	-	-	-	-	-	3
Wood and wood products	-	-	-	-	-	-	-	-	-	1
Construction	-	-	-	-	-	17	-	-	-	1893
Textile and leather	-	-	-	-	-	-	-	-	-	2
Non-specified	520	-	-	-	-	1	-	-	12	101
TRANSPORT	-	-	-	-	-	-	4466	79	14	372
Domestic aviation	-	-	-	-	-	-	-	77	-	-
Road	-	-	-	-	-	-	4466	-	-	159
Rail	-	-	-	-	-	-	-	-	-	206
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	7
Non-specified	-	-	-	-	-	-	-	2	14	-
OTHER	-	-	-	-	-	439	-	40	11	1984
Residential	-	-	-	-	-	421	-	-	-	1376
Comm. and public services	-	-	-	-	-	13	-	40	-	161
Agriculture/forestry	-	-	-	-	-	5	-	-	-	447
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	11	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Kazakhstan

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3101	-	311	658	4001	4	-	-	106627	361022
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	67	99	339	-	-	-	1318	-
Exports	-1856	-	-184	-14	-	-	-	-	-2572	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	26	-	-	79	-	-	-	-	-	-
DOMESTIC SUPPLY	1271	-	194	822	4340	4	-	-	105373	361022
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	86	-	-	-282	92	-4	-	-	1	-
TRANSFORMATION	569	-	-	-	92	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	569	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	92	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	493	-	-	-	34135	80177
Fuel mining and extraction	-	-	-	-	-	-	-	-	7072	32363
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	493	-	-	-	23969	45314
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	3094	2500
Losses	-	-	-	-	-	-	-	-	5349	31795
FINAL CONSUMPTION	788	-	194	540	3847	-	-	-	65890	249050
INDUSTRY	626	-	29	309	-	-	-	-	44244	77686
Iron and steel	343	-	-	31	-	-	-	-	12705	30524
Chemical and petrochemical	6	-	13	-	-	-	-	-	2313	6202
Non-ferrous metals	249	-	16	-	-	-	-	-	8774	315
Non-metallic minerals	6	-	-	101	-	6	-	-	1443	-
Transport equipment	-	-	-	-	-	-	-	-	45	500
Machinery	2	-	-	-	-	-	-	-	298	1559
Mining and quarrying	5	-	-	13	-	-	-	-	5121	11185
Food and tobacco	2	-	-	-	-	-	-	-	1387	6948
Paper, pulp and print	2	-	-	-	-	-	-	-	66	759
Wood and wood products	-	-	-	-	-	-	-	-	31	119
Construction	11	-	-	163	-	-	-	-	455	1328
Textile and leather	-	-	-	-	-	-	-	-	129	324
Non-specified	-	-	-	1	-	-	-	-	11477	17923
TRANSPORT	-	-	-	20	-	-	-	-	3245	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	1	-	-	-	-	114	-
Rail	-	-	-	1	-	-	-	-	821	-
Pipeline transport	-	-	-	17	-	-	-	-	438	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	1	-	-	-	-	1872	-
OTHER	162	-	165	116	3847	-	-	-	18401	171364
Residential	5	-	3	6	3847	-	-	-	12204	44602
Comm. and public services	157	-	162	110	-	-	-	-	5577	72859
Agriculture/forestry	-	-	-	-	-	-	-	-	615	3605
Fishing	-	-	-	-	-	-	-	-	5	6
Non-specified	-	-	-	-	-	-	-	-	-	50292
NON-ENERGY USE	-	-	-	95	-	-	-	-	-	-
in industry/transf./energy	-	-	-	95	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	557	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	557	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	557	-	-	-	-	-	-	-	-	-
INDUSTRY	-	557	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	557	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	26	15	85	114	50	182
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	739	-	-	-	-	137	1142	510	319	2176
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-619	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	739	-	-	-	26	152	1227	5	369	2358
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	739	-	-	-	-	-	-	-	-	280
Electricity plants	-	-	-	-	-	-	-	-	-	280
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	739	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	26	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	26	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	152	1227	5	369	2078
INDUSTRY	-	-	-	-	-	56	17	-	37	477
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	56	17	-	37	477
TRANSPORT	-	-	-	-	-	-	1204	5	-	1589
Domestic aviation	-	-	-	-	-	-	-	5	-	-
Road	-	-	-	-	-	-	1204	-	-	1546
Rail	-	-	-	-	-	-	-	-	-	43
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	96	6	-	332	12
Residential	-	-	-	-	-	62	-	-	332	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	2	-	-	12
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	34	4	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	217	-	-	7	705489	-	8	-	9752	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	232	-	-	140	-	-	-	-	184	-
Exports	-	-	-	-26	-	-	-	-	-22	-
Intl. marine bunkers	-45	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	404	-	-	121	705489	-	8	-	9914	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	315	-
TRANSFORMATION	301	-	-	-	236632	-	8	-	-	-
Electricity plants	301	-	-	-	1464	-	8	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	235168	-	-	-	-	-
ENERGY IND. OWN USE	7	-	-	-	-	-	-	-	20	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	7	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	20	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1933	-
FINAL CONSUMPTION	96	-	-	121	468857	-	-	-	8276	-
INDUSTRY	79	-	-	-	-	-	-	-	4388	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	122	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	79	-	-	-	-	-	-	-	4266	-
TRANSPORT	1	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	1	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	16	-	-	-	468857	-	-	-	3888	-
Residential	-	-	-	-	468857	-	-	-	2687	-
Comm. and public services	-	-	-	-	-	-	-	-	1201	-
Agriculture/forestry	16	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	121	-	-	-	-	-	-
in industry/transf./energy	-	-	-	121	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	8801	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	2	-	2	-	-	-	-	-	-	-
Exports	-	-	-	-18	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	267	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	2	-	9052	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-3	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	8520	-	-	-	-	-	-	-
Electricity plants	-	-	-	8520	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	2	-	529	-	-	-	-	-	-	-
INDUSTRY	-	2	-	132	-	-	-	-	-	-	-
Iron and steel	-	2	-	106	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	24	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	1	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	1	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	397	-	-	-	-	-	-	-
Residential	-	-	-	47	-	-	-	-	-	-	-
Comm. and public services	-	-	-	344	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	6	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Kosovo

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	35	69	4	-	424
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-4	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	35	69	-	-	424
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	2
Electricity plants	-	-	-	-	-	-	-	-	-	2
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	35	69	-	-	422
INDUSTRY	-	-	-	-	-	9	1	-	-	72
Iron and steel	-	-	-	-	-	-	-	-	-	5
Chemical and petrochemical	-	-	-	-	-	1	-	-	-	1
Non-ferrous metals	-	-	-	-	-	-	-	-	-	11
Non-metallic minerals	-	-	-	-	-	6	-	-	-	30
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	1
Mining and quarrying	-	-	-	-	-	-	-	-	-	3
Food and tobacco	-	-	-	-	-	2	-	-	-	6
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	1	-	-	15
TRANSPORT	-	-	-	-	-	8	66	-	-	306
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	8	66	-	-	304
Rail	-	-	-	-	-	-	-	-	-	2
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	18	2	-	-	44
Residential	-	-	-	-	-	7	1	-	-	4
Comm. and public services	-	-	-	-	-	11	-	-	-	26
Agriculture/forestry	-	-	-	-	-	-	1	-	-	14
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Kosovo

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	14823	-	-	-	5981	795
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	22	-	81	48	496	-	-	-	557	-
Exports	-	-	-8	-3	-	-	-	-	-1064	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	22	-	73	45	15319	-	-	-	5474	795
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	1	-12
TRANSFORMATION	4	-	-	-	-	-	-	-	-	-
Electricity plants	3	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	1	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	430	95
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	430	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	95
Losses	-	-	-	-	-	-	-	-	1174	125
FINAL CONSUMPTION	18	-	73	45	15319	-	-	-	3871	563
INDUSTRY	10	-	73	-	656	-	-	-	1048	-
Iron and steel	-	-	11	-	3	-	-	-	483	-
Chemical and petrochemical	-	-	-	-	2	-	-	-	2	-
Non-ferrous metals	9	-	-	-	-	-	-	-	12	-
Non-metallic minerals	1	-	46	-	14	-	-	-	44	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	3	-	-	-	10	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	275	-	-	-	367	-
Paper, pulp and print	-	-	-	-	-	-	-	-	1	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	16	-	359	-	-	-	129	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	8	-	-	-	14663	-	-	-	2823	563
Residential	-	-	-	-	14111	-	-	-	2115	367
Comm. and public services	8	-	-	-	408	-	-	-	601	196
Agriculture/forestry	-	-	-	-	144	-	-	-	107	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	45	-	-	-	-	-	-
in industry/transf./energy	-	-	-	45	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Kuwait

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	657058
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	188480
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	845538
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	289067
Electricity plants	-	-	-	-	-	-	-	-	-	-	289067
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	255606
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	255606
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	300865
INDUSTRY	-	-	-	-	-	-	-	-	-	-	300865
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	121388
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	179477
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Kuwait

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	149758	8089	-	-	371	189	2405	2184	5505	9425
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-107879	-	-	-	-	-5574	-68	-1275	-5401	-6197
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-92
Intl. aviation bunkers	-	-	-	-	-	-	-	-909	-	-
Stock changes	-	-	-	-	-	-	672	-	-	-
DOMESTIC SUPPLY	41879	8089	-	-	371	-5385	3009	-	104	3136
Transfers	-	-8089	-	-	-	8089	-	-	-	-
Statistical differences	1029	-	-	-	-	-580	-	-	-	-
TRANSFORMATION	42908	-	-	-	-	-	-	-	-	854
Electricity plants	2593	-	-	-	-	-	-	-	-	854
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	40315	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	371	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	371	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	2124	3009	-	104	2282
INDUSTRY	-	-	-	-	-	-	-	-	-	766
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	766
TRANSPORT	-	-	-	-	-	-	3009	-	-	1516
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	3009	-	-	1516
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	189	-	-	104	-
Residential	-	-	-	-	-	189	-	-	104	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	1935	-	-	-	-
in industry/transf./energy	-	-	-	-	-	1935	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	1935	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Kuwait

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	10002	7120	-	633	-	-	-	-	70094	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-4540	-7120	-	-10	-	-	-	-	-	-
Intl. marine bunkers	-1019	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	7	-	-	-	-	-	-
DOMESTIC SUPPLY	4443	-	-	630	-	-	-	-	70094	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	1371	-	-	-	-	-	-	-	-	-
TRANSFORMATION	5814	-	-	-	-	-	-	-	-	-
Electricity plants	5814	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	16214	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	8050	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	8164	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	8169	-
FINAL CONSUMPTION	-	-	-	630	-	-	-	-	45711	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	45711	-
Residential	-	-	-	-	-	-	-	-	30962	-
Comm. and public services	-	-	-	-	-	-	-	-	14749	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	630	-	-	-	-	-	-
in industry/transf./energy	-	-	-	630	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Kyrgyzstan

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	248	-	1603	-	-	-	-	-	-	1043
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	794	-	5	-	-	-	-	-	-	10087
Exports	-	-250	-	-91	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	119	-	-225	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	911	-	1292	-	-	-	-	-	-	11130
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	17	-	-	-	-	-	-	-	-	-80
TRANSFORMATION	-	491	-	443	-	-	-	-	-	-	4825
Electricity plants	-	17	-	-	-	-	-	-	-	-	-
CHP plants	-	472	-	436	-	-	-	-	-	-	2710
Heat plants	-	2	-	7	-	-	-	-	-	-	2115
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	115
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	92
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	23
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	1	-	-	-	-	-	-	-	-	195
FINAL CONSUMPTION	-	436	-	849	-	-	-	-	-	-	5915
INDUSTRY	-	188	-	61	-	-	-	-	-	-	1042
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	19	-	61	-	-	-	-	-	-	11
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	459
Mining and quarrying	-	1	-	-	-	-	-	-	-	-	-
Food and tobacco	-	10	-	-	-	-	-	-	-	-	354
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	88
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	1	-	-	-	-	-	-	-	-	-
Textile and leather	-	2	-	-	-	-	-	-	-	-	-
Non-specified	-	155	-	-	-	-	-	-	-	-	130
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	217	-	788	-	-	-	-	-	-	4873
Residential	-	23	-	700	-	-	-	-	-	-	3777
Comm. and public services	-	187	-	87	-	-	-	-	-	-	1086
Agriculture/forestry	-	4	-	-	-	-	-	-	-	-	6
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	3	-	1	-	-	-	-	-	-	4
NON-ENERGY USE	-	31	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	31	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Kyrgyzstan

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	145	-	-	-	-	27	171	-	-	106
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	250	-	-	-	-	11	719	181	-	347
Exports	-7	-	-	-	-	-	-7	-55	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-103	-	-
Stock changes	-1	-	-	-	-	1	42	3	-	28
DOMESTIC SUPPLY	387	-	-	-	-	39	925	26	-	481
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	387	-	-	-	-	-	-	-	-	3
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	387	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	3
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	1	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	39	924	26	-	478
INDUSTRY	-	-	-	-	-	-	2	-	-	20
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	2
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	1	-	-	16
Textile and leather	-	-	-	-	-	-	1	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	1
TRANSPORT	-	-	-	-	-	1	913	15	-	139
Domestic aviation	-	-	-	-	-	-	-	15	-	-
Road	-	-	-	-	-	1	913	-	-	138
Rail	-	-	-	-	-	-	-	-	-	1
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	38	9	11	-	319
Residential	-	-	-	-	-	36	-	-	-	220
Comm. and public services	-	-	-	-	-	1	1	-	-	1
Agriculture/forestry	-	-	-	-	-	1	-	-	-	96
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	8	11	-	2
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Kyrgyzstan

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	75	-	-	-	43	-	-	-	13262	9904
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	33	-	-	40	-	-	-	-	331	-
Exports	-	-	-	-2	-	-	-	-	-199	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	39	-	-	5	-	-	-	-	-	-
DOMESTIC SUPPLY	147	-	-	43	43	-	-	-	13394	9904
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-129	3461
TRANSFORMATION	19	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	9	-	-	-	-	-	-	-	-	-
Heat plants	10	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	450	811
Fuel mining and extraction	-	-	-	-	-	-	-	-	37	-
Oil refineries	-	-	-	-	-	-	-	-	231	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	182	811
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	2655	867
FINAL CONSUMPTION	128	-	-	43	43	-	-	-	10160	11687
INDUSTRY	88	-	-	23	-	-	-	-	1709	990
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	16	-
Non-ferrous metals	-	-	-	-	-	-	-	-	100	58
Non-metallic minerals	1	-	-	1	-	-	-	-	301	70
Transport equipment	-	-	-	-	-	-	-	-	1	-
Machinery	-	-	-	-	-	-	-	-	40	72
Mining and quarrying	-	-	-	-	-	-	-	-	85	-
Food and tobacco	15	-	-	-	-	-	-	-	162	654
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	26	1
Construction	1	-	-	22	-	-	-	-	127	5
Textile and leather	-	-	-	-	-	-	-	-	35	2
Non-specified	71	-	-	-	-	-	-	-	816	128
TRANSPORT	-	-	-	15	-	-	-	-	45	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	15	-	-	-	-	34	-
Rail	-	-	-	-	-	-	-	-	1	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	10	-
OTHER	40	-	-	2	43	-	-	-	8406	10697
Residential	33	-	-	1	41	-	-	-	7305	7067
Comm. and public services	6	-	-	1	-	-	-	-	775	3559
Agriculture/forestry	1	-	-	-	1	-	-	-	227	17
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	1	-	-	-	99	54
NON-ENERGY USE	-	-	-	3	-	-	-	-	-	-
in industry/transf./energy	-	-	-	3	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Lebanon

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	257	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	257	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	257	-	-	-	-	-	-	-	-	-
INDUSTRY	-	257	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	257	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Lebanon

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	265	1773	236	-	3450
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-236	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	265	1773	-	-	3450
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	2680
Electricity plants	-	-	-	-	-	-	-	-	-	2680
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	265	1773	-	-	770
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	1773	-	-	47
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	1773	-	-	47
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	265	-	-	-	723
Residential	-	-	-	-	-	265	-	-	-	723
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Lebanon

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	4971	-	-	-	18690	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1533	-	-	56	431	-	-	-	69	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-32	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1501	-	-	56	5402	-	-	-	18759	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	163	-
TRANSFORMATION	1358	-	-	-	572	-	-	-	-	-
Electricity plants	1358	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	572	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1956	-
FINAL CONSUMPTION	143	-	-	56	4830	-	-	-	16966	-
INDUSTRY	143	-	-	-	-	-	-	-	4386	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	143	-	-	-	-	-	-	-	4386	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	4830	-	-	-	12580	-
Residential	-	-	-	-	4091	-	-	-	6626	-
Comm. and public services	-	-	-	-	-	-	-	-	2799	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	739	-	-	-	3155	-
NON-ENERGY USE	-	-	-	56	-	-	-	-	-	-
in industry/transf./energy	-	-	-	56	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Libya

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	376200
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-182400
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	193800
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	57990
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	243550
Electricity plants	-	-	-	-	-	-	-	-	-	-	243550
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	2291
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	2291
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	5949
INDUSTRY	-	-	-	-	-	-	-	-	-	-	2102
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	2102
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	3847
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	3847
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	3847
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Libya

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	18193	2124	-	-	81	30	399	125	103	917
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	3333	-	16	3301
Exports	-14683	-1469	-	-	-	-63	-	-60	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-63	-	-
Stock changes	553	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	4063	655	-	-	81	-33	3732	2	119	4218
Transfers	-	-655	-	-	-	297	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	4063	-	-	-	-	-	-	-	-	1224
Electricity plants	-	-	-	-	-	-	-	-	-	1224
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	4063	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	81	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	81	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	264	3732	2	119	2994
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	3732	2	-	2994
Domestic aviation	-	-	-	-	-	-	-	2	-	-
Road	-	-	-	-	-	-	3732	-	-	2994
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	264	-	-	119	-
Residential	-	-	-	-	-	264	-	-	119	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Libya

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1827	518	-	25	6424	-	-	-	36430	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	37	-	-	-	-	376	-
Exports	-376	-481	-	-	-	-	-	-	-	-
Intl. marine bunkers	-85	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1366	37	-	62	6424	-	-	-	36806	-
Transfers	-	358	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-14892	-
TRANSFORMATION	813	-	-	-	-	-	-	-	-	-
Electricity plants	813	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	52	-	-	-	-	-	-	-	610	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	52	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	610	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	7324	-
FINAL CONSUMPTION	501	395	-	62	6424	-	-	-	13980	-
INDUSTRY	501	-	-	-	-	-	-	-	1213	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	501	-	-	-	-	-	-	-	1213	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	6424	-	-	-	12767	-
Residential	-	-	-	-	6424	-	-	-	5894	-
Comm. and public services	-	-	-	-	-	-	-	-	1506	-
Agriculture/forestry	-	-	-	-	-	-	-	-	1222	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	4145	-
NON-ENERGY USE	-	395	-	62	-	-	-	-	-	-
in industry/transf./energy	-	395	-	62	-	-	-	-	-	-
of which: chem./petrochem.	-	395	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	17	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	225	-	-	16	-	-	-	-	60	87896
Exports	-	-	-	-	-	-	-	-	-	-6	-1707
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	21	1	-	-	-	-	-	-	11	-518
DOMESTIC SUPPLY	-	246	1	-	16	-	-	-	-	82	85671
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	3	-	-	-	-	-	-	-	10	19690
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	14542
Heat plants	-	3	-	-	-	-	-	-	-	8	5148
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	2	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	1225
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	2
Oil refineries	-	-	-	-	-	-	-	-	-	-	64
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	1159
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	243	1	-	16	-	-	-	-	72	64756
INDUSTRY	-	126	-	-	16	-	-	-	-	5	13386
Iron and steel	-	-	-	-	1	-	-	-	-	-	2
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	5313
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	125	-	-	13	-	-	-	-	3	1172
Transport equipment	-	-	-	-	-	-	-	-	-	-	60
Machinery	-	-	-	-	-	-	-	-	-	-	363
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	10
Food and tobacco	-	1	-	-	2	-	-	-	-	1	3906
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	567
Wood and wood products	-	-	-	-	-	-	-	-	-	-	494
Construction	-	-	-	-	-	-	-	-	-	-	577
Textile and leather	-	-	-	-	-	-	-	-	-	-	719
Non-specified	-	-	-	-	-	-	-	-	-	1	203
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1448
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	361
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1087
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	117	1	-	-	-	-	-	-	67	10811
Residential	-	60	1	-	-	-	-	-	-	45	6767
Comm. and public services	-	53	-	-	-	-	-	-	-	21	3046
Agriculture/forestry	-	4	-	-	-	-	-	-	-	1	998
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	39111
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	39111
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	39111
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	64	-	-	-	346	345	2615	1082	-	3118
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	9321	-	510	73	-	79	64	68	-	1159
Exports	-52	-	-	-1	-	-213	-2527	-200	-	-3578
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-67
Intl. aviation bunkers	-	-	-	-	-	-	-	-93	-	-
Stock changes	-9	-	6	2	-	-	2	1	-	-5
DOMESTIC SUPPLY	9324	-	516	74	346	211	154	858	-	627
Transfers	-	-	-	-	-	-52	52	-850	-	850
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	9324	-	516	74	8	2	-	-	-	1
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	8	-	-	-	-	-
Heat plants	-	-	-	-	-	2	-	-	-	1
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	9324	-	516	74	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	338	-	-	-	-	4
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	338	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	4
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	157	206	8	-	1472
INDUSTRY	-	-	-	-	-	8	-	-	-	17
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	1	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	1
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	2
Food and tobacco	-	-	-	-	-	5	-	-	-	2
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	2
Construction	-	-	-	-	-	1	-	-	-	8
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	1	-	-	-	1
TRANSPORT	-	-	-	-	-	115	205	-	-	1396
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	115	205	-	-	1337
Rail	-	-	-	-	-	-	-	-	-	49
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	4
Non-specified	-	-	-	-	-	-	-	-	-	6
OTHER	-	-	-	-	-	34	1	8	-	59
Residential	-	-	-	-	-	31	-	-	-	14
Comm. and public services	-	-	-	-	-	1	-	-	-	2
Agriculture/forestry	-	-	-	-	-	2	1	-	-	42
Fishing	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	8	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1840	-	127	317	50238	117	1341	3121	4266	43148
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	107	-	-	97	6421	41	-	-	11106	-
Exports	-1749	-	-	-211	-6255	-89	-	-	-2831	-
Intl. marine bunkers	-99	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-17	-	-	10	99	-1	-	-15	-	-
DOMESTIC SUPPLY	82	-	127	213	50503	68	1341	3106	12541	43148
Transfers	8	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-1	-	-	-	-
TRANSFORMATION	34	-	-	-	24419	-	996	3106	3	2917
Electricity plants	-	-	-	-	-	-	-	-	-	2917
CHP plants	27	-	-	-	5771	-	996	3106	-	-
Heat plants	7	-	-	-	18638	-	-	-	3	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	10	-	-	-	-	-
ENERGY IND. OWN USE	47	-	127	-	3	-	-	-	1881	296
Fuel mining and extraction	-	-	-	-	-	-	-	-	19	-
Oil refineries	47	-	127	-	-	-	-	-	644	-
Elec., CHP and heat plants	-	-	-	-	3	-	-	-	215	292
Pumped storage plants	-	-	-	-	-	-	-	-	790	-
Other energy ind. own use	-	-	-	-	-	-	-	-	213	4
Losses	-	-	-	-	-	-	-	-	907	5025
FINAL CONSUMPTION	9	-	-	213	26081	67	345	-	9750	34910
INDUSTRY	9	-	-	-	3877	-	125	-	3417	7909
Iron and steel	-	-	-	-	-	-	-	-	19	-
Chemical and petrochemical	-	-	-	-	113	-	92	-	746	6500
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	1	-	-	-	302	-	-	-	252	30
Transport equipment	-	-	-	-	-	-	-	-	24	28
Machinery	-	-	-	-	18	-	-	-	185	105
Mining and quarrying	-	-	-	-	25	-	-	-	29	1
Food and tobacco	7	-	-	-	664	-	32	-	729	465
Paper, pulp and print	-	-	-	-	195	-	-	-	157	24
Wood and wood products	-	-	-	-	1999	-	-	-	366	439
Construction	1	-	-	-	73	-	-	-	148	61
Textile and leather	-	-	-	-	28	-	-	-	168	134
Non-specified	-	-	-	-	460	-	1	-	594	122
TRANSPORT	-	-	-	-	-	67	-	-	72	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	65	-	-	36	-
Rail	-	-	-	-	-	2	-	-	12	-
Pipeline transport	-	-	-	-	-	-	-	-	24	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	22204	-	220	-	6261	27001
Residential	-	-	-	-	20260	-	-	-	2775	19525
Comm. and public services	-	-	-	-	1453	-	220	-	3280	7273
Agriculture/forestry	-	-	-	-	491	-	-	-	202	203
Fishing	-	-	-	-	-	-	-	-	4	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	213	-	-	-	-	-	-
in industry/transf./energy	-	-	-	195	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	84	-	-	-	-	-	-
in transport	-	-	-	18	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	2259	-	-	-	-	-	-	-	-	2662298
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	27238	-	-	-	-	-	-	-	-	317793
Exports	-	-24	-	-	-	-	-	-	-	-	-1316395
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	388	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	29861	-	-	-	-	-	-	-	-	1663696
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	97	-	-	-	-	-	-	-	-	-10
TRANSFORMATION	-	27127	-	-	-	-	-	-	-	-	725645
Electricity plants	-	27127	-	-	-	-	-	-	-	-	667728
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	54929
Other transformation	-	-	-	-	-	-	-	-	-	-	2988
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	288736
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	288736
Losses	-	-	-	-	-	-	-	-	-	-	76921
FINAL CONSUMPTION	-	2831	-	-	-	-	-	-	-	-	572384
INDUSTRY	-	2831	-	-	-	-	-	-	-	-	278588
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	2831	-	-	-	-	-	-	-	-	278588
TRANSPORT	-	-	-	-	-	-	-	-	-	-	9679
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	9679
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	1125
Residential	-	-	-	-	-	-	-	-	-	-	26
Comm. and public services	-	-	-	-	-	-	-	-	-	-	1099
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	282992
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	282992
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	282992
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	32135	1835	-	-	185	1181	4804	2470	4	9840
From other sources	622	-	-	-	-	-	-	-	-	-
Imports	10664	-	34	-	-	450	8144	1405	-	3839
Exports	-16056	-	-34	-	-	-327	-436	-1035	-74	-4734
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1
Intl. aviation bunkers	-	-	-	-	-	-	-	-2340	-	-
Stock changes	68	-	-	-	-	28	261	97	13	100
DOMESTIC SUPPLY	27433	1835	-	-	185	1332	12773	597	-57	9044
Transfers	-622	-1835	-	-	-	1894	-	-	72	159
Statistical differences	7	-	-	-	-	-11	-	-12	-10	120
TRANSFORMATION	26593	-	-	-	-	-	-	-	-	207
Electricity plants	-	-	-	-	-	-	-	-	-	207
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	26593	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	225	-	-	-	185	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	225	-	-	-	185	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	3215	12773	585	5	9116
INDUSTRY	-	-	-	-	-	127	104	-	2	1670
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	127	104	-	2	1670
TRANSPORT	-	-	-	-	-	-	12669	585	-	6939
Domestic aviation	-	-	-	-	-	-	-	585	-	-
Road	-	-	-	-	-	-	12669	-	-	6939
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1253	-	-	3	507
Residential	-	-	-	-	-	554	-	-	3	-
Comm. and public services	-	-	-	-	-	699	-	-	-	149
Agriculture/forestry	-	-	-	-	-	-	-	-	-	91
Fishing	-	-	-	-	-	-	-	-	-	267
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	1835	-	-	-	-
in industry/transf./energy	-	-	-	-	-	1835	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	1835	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1493	-	-	4275	65352	579	884	-	156660	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	51	-	-	890	173	-	-	-	33	-
Exports	-610	-	-	-4776	-1358	-97	-	-	-694	-
Intl. marine bunkers	-299	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	39	-	-	236	-	-40	-	-	-	-
DOMESTIC SUPPLY	674	-	-	625	64168	442	884	-	155999	-
Transfers	-	-	-	332	-	-	-	-	-	-
Statistical differences	1	-	-	2	-	-	-	-	4251	-
TRANSFORMATION	156	-	-	-	28624	-	884	-	-	-
Electricity plants	156	-	-	-	9878	-	884	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	18746	-	-	-	-	-
ENERGY IND. OWN USE	27	-	-	-	-	-	-	-	5324	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	5324	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	27	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	10805	-
FINAL CONSUMPTION	492	-	-	959	35544	442	-	-	144121	-
INDUSTRY	484	-	-	319	-	-	-	-	67709	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	484	-	-	319	-	-	-	-	67709	-
TRANSPORT	6	-	-	-	-	442	-	-	341	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	442	-	-	-	-
Rail	-	-	-	-	-	-	-	-	341	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	6	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	2	-	-	-	35544	-	-	-	76071	-
Residential	-	-	-	-	35544	-	-	-	31148	-
Comm. and public services	1	-	-	-	-	-	-	-	44379	-
Agriculture/forestry	1	-	-	-	-	-	-	-	544	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	640	-	-	-	-	-	-
in industry/transf./energy	-	-	-	640	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	13	70	121	-	677
Exports	-	-	-	-	-	-	-	-	-	-249
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-262
Intl. aviation bunkers	-	-	-	-	-	-	-	-121	-	-
Stock changes	-	-	-	-	-	1	7	2	-	-14
DOMESTIC SUPPLY	-	-	-	-	-	14	77	2	-	152
Transfers	-	-	-	-	-	4	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	3
Electricity plants	-	-	-	-	-	-	-	-	-	3
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	18	77	2	-	149
INDUSTRY	-	-	-	-	-	1	-	-	-	6
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	-	6
TRANSPORT	-	-	-	-	-	-	76	2	-	107
Domestic aviation	-	-	-	-	-	-	-	2	-	-
Road	-	-	-	-	-	-	76	-	-	95
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	12
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	17	1	-	-	36
Residential	-	-	-	-	-	12	-	-	-	2
Comm. and public services	-	-	-	-	-	5	-	-	-	27
Agriculture/forestry	-	-	-	-	-	-	1	-	-	3
Fishing	-	-	-	-	-	-	-	-	-	4
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	-	1	80	-	856	8
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1793	-	-	18	46	9	-	-	1525	-
Exports	-24	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-1552	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-34	-	-	-	-	-2	-	-	-	-
DOMESTIC SUPPLY	183	-	-	18	46	8	80	-	2381	8
Transfers	-	-	-	-4	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-1	-	-	-	-
TRANSFORMATION	177	-	-	-	-	-	55	-	-	-
Electricity plants	177	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	55	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	51	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	51	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	216	-
FINAL CONSUMPTION	6	-	-	14	46	7	25	-	2114	8
INDUSTRY	2	-	-	-	-	-	-	-	411	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	45	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	6	-
Transport equipment	-	-	-	-	-	-	-	-	19	-
Machinery	-	-	-	-	-	-	-	-	109	-
Mining and quarrying	-	-	-	-	-	-	-	-	1	-
Food and tobacco	-	-	-	-	-	-	-	-	60	-
Paper, pulp and print	-	-	-	-	-	-	-	-	24	-
Wood and wood products	-	-	-	-	-	-	-	-	2	-
Construction	-	-	-	-	-	-	-	-	24	-
Textile and leather	-	-	-	-	-	-	-	-	28	-
Non-specified	2	-	-	-	-	-	-	-	93	-
TRANSPORT	1	-	-	-	-	7	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	7	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	1	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	3	-	-	5	46	-	25	-	1703	8
Residential	-	-	-	3	46	-	-	-	665	-
Comm. and public services	3	-	-	2	-	-	25	-	991	8
Agriculture/forestry	-	-	-	-	-	-	-	-	11	-
Fishing	-	-	-	-	-	-	-	-	1	-
Non-specified	-	-	-	-	-	-	-	-	35	-
NON-ENERGY USE	-	-	-	9	-	-	-	-	-	-
in industry/transf./energy	-	-	-	9	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Mauritius

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	926	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	926	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-192	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	701	-	-	-	-	-	-	-	-	-
Electricity plants	-	701	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	33	-	-	-	-	-	-	-	-	-
INDUSTRY	-	33	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	33	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Mauritius

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	118	168	284	2	339
Exports	-	-	-	-	-	-95	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-120
Intl. aviation bunkers	-	-	-	-	-	-	-	-289	-	-
Stock changes	-	-	-	-	-	44	-5	11	-1	-7
DOMESTIC SUPPLY	-	-	-	-	-	67	163	6	1	212
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	9	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	1	1
Electricity plants	-	-	-	-	-	-	-	-	1	1
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	76	163	6	-	211
INDUSTRY	-	-	-	-	-	6	-	-	-	35
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	6	-	-	-	35
TRANSPORT	-	-	-	-	-	4	163	6	-	174
Domestic aviation	-	-	-	-	-	-	-	6	-	-
Road	-	-	-	-	-	-	162	-	-	170
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	1	-	-	4
Non-specified	-	-	-	-	-	4	-	-	-	-
OTHER	-	-	-	-	-	66	-	-	-	2
Residential	-	-	-	-	-	50	-	-	-	-
Comm. and public services	-	-	-	-	-	16	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	2
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	8897	-	224	-	3042	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	489	-	-	13	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-217	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-12	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	260	-	-	13	8897	-	224	-	3042	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	1	-
TRANSFORMATION	219	-	-	-	7569	-	224	-	-	-
Electricity plants	219	-	-	-	7567	-	224	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	2	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	45	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	45	-
Losses	-	-	-	-	-	-	-	-	172	-
FINAL CONSUMPTION	41	-	-	13	1328	-	-	-	2826	-
INDUSTRY	37	-	-	-	1081	-	-	-	970	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	37	-	-	-	1081	-	-	-	970	-
TRANSPORT	4	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	4	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	247	-	-	-	1856	-
Residential	-	-	-	-	216	-	-	-	855	-
Comm. and public services	-	-	-	-	31	-	-	-	929	-
Agriculture/forestry	-	-	-	-	-	-	-	-	26	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	46	-
NON-ENERGY USE	-	-	-	13	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	13	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Moldova

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	4
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	99	-	-	-	-	-	-	-	-	100056
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	26	-	-	-	-	-	-	-	-	-58
DOMESTIC SUPPLY	-	125	-	-	-	-	-	-	-	-	100002
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	4	-	-	-	-	-	-	-	-	69567
Electricity plants	-	-	-	-	-	-	-	-	-	-	54087
CHP plants	-	-	-	-	-	-	-	-	-	-	11660
Heat plants	-	4	-	-	-	-	-	-	-	-	3820
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	2115
FINAL CONSUMPTION	-	121	-	-	-	-	-	-	-	-	28320
INDUSTRY	-	41	-	-	-	-	-	-	-	-	13320
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	28
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	39	-	-	-	-	-	-	-	-	1382
Transport equipment	-	-	-	-	-	-	-	-	-	-	1
Machinery	-	-	-	-	-	-	-	-	-	-	17
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	2	-	-	-	-	-	-	-	-	909
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	49
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	18
Textile and leather	-	-	-	-	-	-	-	-	-	-	33
Non-specified	-	-	-	-	-	-	-	-	-	-	10883
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1067
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	810
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	257
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	80	-	-	-	-	-	-	-	-	13933
Residential	-	49	-	-	-	-	-	-	-	-	9899
Comm. and public services	-	30	-	-	-	-	-	-	-	-	3948
Agriculture/forestry	-	1	-	-	-	-	-	-	-	-	86
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Moldova

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	6	-	-	-	-	-	-	-	-	2
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	77	166	33	-	555
Exports	-	-	-	-	-	-	-	-	-	-7
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-32	-	-
Stock changes	1	-	-	-	-	1	1	-1	-	-6
DOMESTIC SUPPLY	7	-	-	-	-	78	167	-	-	544
Transfers	-	-	10	-	-	-	-	-	-	-6
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	7	-	10	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	7	-	10	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	1	1	-	-	1
FINAL CONSUMPTION	-	-	-	-	-	77	166	-	-	537
INDUSTRY	-	-	-	-	-	-	-	-	-	5
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	1
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	1
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	3
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	13	166	-	-	459
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	13	166	-	-	444
Rail	-	-	-	-	-	-	-	-	-	13
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	1
OTHER	-	-	-	-	-	64	-	-	-	73
Residential	-	-	-	-	-	63	-	-	-	-
Comm. and public services	-	-	-	-	-	1	-	-	-	2
Agriculture/forestry	-	-	-	-	-	-	-	-	-	71
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	13	-	-	1	28788	-	361	-	5827	10606
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	29	-	1	38	5	-	-	-	4	-
Exports	-9	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-16	-	3	-	59	-	-	-	-	-
DOMESTIC SUPPLY	17	-	4	39	28852	-	361	-	5831	10606
Transfers	-3	-	-	-1	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	13	-	-	-	420	-	361	-	-	-
Electricity plants	-	-	-	-	-	-	2	-	-	-
CHP plants	12	-	-	-	-	-	359	-	-	-
Heat plants	1	-	-	-	392	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	28	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	407	76
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	12
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	362	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	45	64
Losses	-	-	-	-	1	-	-	-	1094	1567
FINAL CONSUMPTION	1	-	4	38	28431	-	-	-	4330	8963
INDUSTRY	1	-	4	-	43	-	-	-	1228	1888
Iron and steel	-	-	-	-	-	-	-	-	2	-
Chemical and petrochemical	-	-	-	-	5	-	-	-	45	19
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	4	-	-	-	-	-	134	3
Transport equipment	-	-	-	-	1	-	-	-	3	-
Machinery	-	-	-	-	-	-	-	-	46	4
Mining and quarrying	-	-	-	-	-	-	-	-	13	-
Food and tobacco	1	-	-	-	28	-	-	-	396	1761
Paper, pulp and print	-	-	-	-	-	-	-	-	9	26
Wood and wood products	-	-	-	-	5	-	-	-	40	-
Construction	-	-	-	-	2	-	-	-	6	1
Textile and leather	-	-	-	-	1	-	-	-	38	68
Non-specified	-	-	-	-	1	-	-	-	496	6
TRANSPORT	-	-	-	-	-	-	-	-	62	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	20	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	42	-
OTHER	-	-	-	-	28388	-	-	-	3040	7075
Residential	-	-	-	-	27597	-	-	-	1865	5147
Comm. and public services	-	-	-	-	434	-	-	-	1128	1926
Agriculture/forestry	-	-	-	-	48	-	-	-	47	2
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	309	-	-	-	-	-
NON-ENERGY USE	-	-	-	38	-	-	-	-	-	-
in industry/transf./energy	-	-	-	29	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	9	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	19998	5496	-	6672	28	-	-	195	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	1	-	-	-	-	-	-	-	-	-
Exports	-20424	-3130	-	-553	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	467	-	-	-253	-	-	-	-	-	-	-
DOMESTIC SUPPLY	41	2367	-	5866	28	-	-	195	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	375	-	-	-	-	-	-	-
TRANSFORMATION	41	1377	-	5350	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	1377	-	5350	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	41	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	195	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	195	-	-	-
Losses	-	211	-	3	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	779	-	888	28	-	-	-	-	-	-
INDUSTRY	-	137	-	27	28	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	137	-	27	28	-	-	-	-	-	-
TRANSPORT	-	3	-	44	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	44	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	3	-	-	-	-	-	-	-	-	-
OTHER	-	639	-	817	-	-	-	-	-	-	-
Residential	-	436	-	312	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	6	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	203	-	499	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	1130	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	385	25	-	548
Exports	-1098	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-25	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	32	-	-	-	-	-	385	-	-	548
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-32	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	62
Electricity plants	-	-	-	-	-	-	-	-	-	62
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	385	-	-	486
INDUSTRY	-	-	-	-	-	-	-	-	-	292
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	136
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	156
TRANSPORT	-	-	-	-	-	-	385	-	-	149
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	385	-	-	27
Rail	-	-	-	-	-	-	-	-	-	122
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	45
Residential	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	45
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	6003	-	-	-	5667	45212
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	3	-	-	1	-	-	-	-	1446	-
Exports	-	-	-	-	-	-	-	-	-36	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	3	-	-	1	6003	-	-	-	7077	45212
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-65	1
TRANSFORMATION	3	-	-	-	2126	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	3	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	2126	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	749	2367
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	749	2367
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	817	1335
FINAL CONSUMPTION	-	-	-	1	3877	-	-	-	5446	41511
INDUSTRY	-	-	-	-	-	-	-	-	3356	9902
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	3356	9902
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	3877	-	-	-	2090	31609
Residential	-	-	-	-	2714	-	-	-	1321	17207
Comm. and public services	-	-	-	-	-	-	-	-	-	12702
Agriculture/forestry	-	-	-	-	313	-	-	-	57	202
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	850	-	-	-	712	1498
NON-ENERGY USE	-	-	-	1	-	-	-	-	-	-
in industry/transf./energy	-	-	-	1	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Montenegro

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	1398	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	5	-	-	-	-	-	-	-
Exports	-	-	-	-42	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	1361	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	1306	-	-	-	-	-	-	-
Electricity plants	-	-	-	1306	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	55	-	-	-	-	-	-	-
INDUSTRY	-	-	-	28	-	-	-	-	-	-	-
Iron and steel	-	-	-	22	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	1	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	3	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	1	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	1	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	27	-	-	-	-	-	-	-
Residential	-	-	-	20	-	-	-	-	-	-	-
Comm. and public services	-	-	-	7	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Montenegro

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	19	43	25	-	223
Exports	-	-	-	-	-	-	-8	-6	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-19	-	-
Stock changes	-	-	-	-	-	-2	2	-	-	-9
DOMESTIC SUPPLY	-	-	-	-	-	17	37	-	-	214
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	17	37	-	-	214
INDUSTRY	-	-	-	-	-	6	1	-	-	37
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	1
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	2
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	1	-	-	-	1
Mining and quarrying	-	-	-	-	-	-	-	-	-	5
Food and tobacco	-	-	-	-	-	2	-	-	-	6
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	10
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	3	1	-	-	12
TRANSPORT	-	-	-	-	-	8	35	-	-	167
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	8	35	-	-	165
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	2
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	3	1	-	-	10
Residential	-	-	-	-	-	1	-	-	-	-
Comm. and public services	-	-	-	-	-	2	-	-	-	7
Agriculture/forestry	-	-	-	-	-	-	1	-	-	3
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	8125	-	-	-	3141	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	4	-	14	29	64	-	-	-	1210	-
Exports	-	-	-1	-	-911	-	-	-	-906	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-1	-	-4	-2	-	-	-	-	-	-
DOMESTIC SUPPLY	3	-	9	27	7278	-	-	-	3445	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-115	-
TRANSFORMATION	-	-	-	-	301	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	301	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	118	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	118	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	541	-
FINAL CONSUMPTION	3	-	9	27	6977	-	-	-	2671	-
INDUSTRY	2	-	-	-	392	-	-	-	660	-
Iron and steel	-	-	-	-	-	-	-	-	35	-
Chemical and petrochemical	1	-	-	-	96	-	-	-	7	-
Non-ferrous metals	-	-	-	-	-	-	-	-	544	-
Non-metallic minerals	-	-	-	-	8	-	-	-	4	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	19	-	-	-	6	-
Mining and quarrying	-	-	-	-	-	-	-	-	2	-
Food and tobacco	1	-	-	-	247	-	-	-	31	-
Paper, pulp and print	-	-	-	-	-	-	-	-	4	-
Wood and wood products	-	-	-	-	7	-	-	-	12	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	5	-	-	-	1	-
Non-specified	-	-	-	-	10	-	-	-	14	-
TRANSPORT	1	-	-	-	-	-	-	-	21	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	21	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	1	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	6585	-	-	-	1990	-
Residential	-	-	-	-	6339	-	-	-	1251	-
Comm. and public services	-	-	-	-	246	-	-	-	725	-
Agriculture/forestry	-	-	-	-	-	-	-	-	14	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	9	27	-	-	-	-	-	-
in industry/transf./energy	-	-	9	16	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	6	-	-	-	-	-	-
in other	-	-	-	5	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Mozambique

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	3863	2203	-	-	-	-	-	-	-	-	194225
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-3863	-5374	-	-	-	-	-	-	-	-	-163008
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	3188	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	17	-	-	-	-	-	-	-	-	31217
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-489
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	24629
Electricity plants	-	-	-	-	-	-	-	-	-	-	24629
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	17	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	17	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	6099
INDUSTRY	-	-	-	-	-	-	-	-	-	-	5953
Iron and steel	-	-	-	-	-	-	-	-	-	-	36
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	22
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	2178
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	3171
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	356
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	38
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	152
TRANSPORT	-	-	-	-	-	-	-	-	-	-	112
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	112
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	34
Residential	-	-	-	-	-	-	-	-	-	-	25
Comm. and public services	-	-	-	-	-	-	-	-	-	-	9
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Mozambique

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	19	502	138	-	1282
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-47	-	-
Stock changes	-	-	-	-	-	-	-	-46	-	-18
DOMESTIC SUPPLY	-	-	-	-	-	19	502	45	-	1264
Transfers	-	-	-	-	-	-	-	-45	45	-
Statistical differences	-	-	-	-	-	-	-51	-	-1	-3
TRANSFORMATION	-	-	-	-	-	-	-	-	-	5
Electricity plants	-	-	-	-	-	-	-	-	-	5
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	19	451	-	44	1256
INDUSTRY	-	-	-	-	-	-	-	-	-	128
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	128
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	451	-	-	769
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	451	-	-	706
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	63
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	19	-	-	44	359
Residential	-	-	-	-	-	14	-	-	17	-
Comm. and public services	-	-	-	-	-	5	-	-	-	28
Agriculture/forestry	-	-	-	-	-	-	-	-	-	331
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	27	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Mozambique

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	402637	-	-	-	18732	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	9928	-
Exports	-	-	-	-	-	-	-	-	-14269	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	402637	-	-	-	14391	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-469	-
TRANSFORMATION	-	-	-	-	79332	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	79332	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	58	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	58	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	2480	-
FINAL CONSUMPTION	-	-	-	-	323305	-	-	-	11384	-
INDUSTRY	-	-	-	-	39444	-	-	-	8637	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	7480	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	39444	-	-	-	1157	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	283861	-	-	-	2747	-
Residential	-	-	-	-	268161	-	-	-	1686	-
Comm. and public services	-	-	-	-	15700	-	-	-	575	-
Agriculture/forestry	-	-	-	-	-	-	-	-	22	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	464	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Myanmar

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	317	-	233	-	-	-	-	-	-	744589
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	437	-	-	-	-	-	-	-
Exports	-	-	-	-13	-	-	-	-	-	-	-580338
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	317	-	657	-	-	-	-	-	-	164251
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-12	-	-	-	-	-	-	-	-	4429
TRANSFORMATION	-	4	-	-	-	-	-	-	-	-	123472
Electricity plants	-	4	-	-	-	-	-	-	-	-	123472
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	19492
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	18494
Oil refineries	-	-	-	-	-	-	-	-	-	-	998
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	301	-	657	-	-	-	-	-	-	25716
INDUSTRY	-	247	-	620	-	-	-	-	-	-	11980
Iron and steel	-	57	-	42	-	-	-	-	-	-	294
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	5123
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	88
Non-metallic minerals	-	190	-	-	-	-	-	-	-	-	253
Transport equipment	-	-	-	-	-	-	-	-	-	-	69
Machinery	-	-	-	-	-	-	-	-	-	-	227
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	450
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	7
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	140	-	-	-	-	-	-	5121
Textile and leather	-	-	-	-	-	-	-	-	-	-	348
Non-specified	-	-	-	438	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	7434
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	7434
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	54	-	37	-	-	-	-	-	-	18
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	3	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	51	-	37	-	-	-	-	-	-	18
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	6284
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	6284
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	6284
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Myanmar

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	589	13	-	-	17	8	144	15	-	151
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	39	1091	191	-	2094
Exports	-144	-	-	-	-	-	-8	-	-	-169
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-89	-	-
Stock changes	-	-	-	-	-	3	141	2	-	82
DOMESTIC SUPPLY	445	13	-	-	17	50	1368	119	-	2158
Transfers	-	-13	-	-	-	9	4	-	-	-
Statistical differences	1	-	-	-	-	-5	-95	2	-	-91
TRANSFORMATION	446	-	-	-	-	-	-	-	-	15
Electricity plants	-	-	-	-	-	-	-	-	-	15
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	446	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	17	-	-	-	-	14
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	17	-	-	-	-	14
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	54	1277	121	-	2038
INDUSTRY	-	-	-	-	-	-	117	-	-	526
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	21	-	-	117
Food and tobacco	-	-	-	-	-	-	12	-	-	23
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	10	-	-	40
Construction	-	-	-	-	-	-	74	-	-	346
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	788	121	-	383
Domestic aviation	-	-	-	-	-	-	-	121	-	-
Road	-	-	-	-	-	-	788	-	-	96
Rail	-	-	-	-	-	-	-	-	-	232
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	55
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	54	372	-	-	1129
Residential	-	-	-	-	-	7	-	-	-	8
Comm. and public services	-	-	-	-	-	3	-	-	-	286
Agriculture/forestry	-	-	-	-	-	-	49	-	-	835
Fishing	-	-	-	-	-	-	4	-	-	-
Non-specified	-	-	-	-	-	44	319	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Myanmar

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	78	-	12	5	425273	-	-	-	17867	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	442	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-34	-	-2	-	-	-	-	-	-	-
DOMESTIC SUPPLY	44	-	10	447	425273	-	-	-	17867	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1	-	-	-5	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	1751	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	1751	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	127	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	127	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	2385	-
FINAL CONSUMPTION	43	-	10	442	423522	-	-	-	15355	-
INDUSTRY	4	-	10	-	13283	-	-	-	2120	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	4	-	10	-	13283	-	-	-	2120	-
TRANSPORT	1	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	1	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	38	-	-	-	410239	-	-	-	13235	-
Residential	-	-	-	-	410239	-	-	-	3451	-
Comm. and public services	-	-	-	-	-	-	-	-	1378	-
Agriculture/forestry	5	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	33	-	-	-	-	-	-	-	8406	-
NON-ENERGY USE	-	-	-	442	-	-	-	-	-	-
in industry/transf./energy	-	-	-	257	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	185	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Namibia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	34	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	34	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	34	-	-	-	-	-	-	-	-	-
Electricity plants	-	34	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	11	341	44	2	807
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-38	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	11	341	6	2	807
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	3
Electricity plants	-	-	-	-	-	-	-	-	-	3
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	11	341	6	2	804
INDUSTRY	-	-	-	-	-	9	2	-	-	89
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	2	-	-	67
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	22
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	9	-	-	-	-
TRANSPORT	-	-	-	-	-	-	339	6	-	326
Domestic aviation	-	-	-	-	-	-	-	6	-	-
Road	-	-	-	-	-	-	339	-	-	303
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	23
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	2	-	-	2	389
Residential	-	-	-	-	-	-	-	-	2	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	2	-	-	-	332
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	57
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	14868	-	-	-	1421	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	18	-	-	49	-	-	-	-	3073	-
Exports	-	-	-	-4	-3018	-	-	-	-99	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	18	-	-	45	11850	-	-	-	4395	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-1	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	4706	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	4706	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	486	-
FINAL CONSUMPTION	18	-	-	44	7143	-	-	-	3909	-
INDUSTRY	2	-	-	-	1173	-	-	-	585	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	1173	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	1	-	-	-	-	-	-	-	440	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	1	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	145	-
TRANSPORT	1	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	1	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	15	-	-	15	5970	-	-	-	3324	-
Residential	-	-	-	-	5970	-	-	-	-	-
Comm. and public services	2	-	-	-	-	-	-	-	-	-
Agriculture/forestry	13	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	15	-	-	-	-	3324	-
NON-ENERGY USE	-	-	-	29	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	20	-	-	-	-	-	-
in transport	-	-	-	6	-	-	-	-	-	-
in other	-	-	-	3	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Nepal

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	21	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	1128	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	1149	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	1149	-	-	-	-	-	-	-	-	-
INDUSTRY	-	1145	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	1145	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	4	-	-	-	-	-	-	-	-	-
Residential	-	4	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Nepal

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	362	289	128	15	1091
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-128	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	362	289	-	15	1091
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-4	-	5	-19
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	362	285	-	20	1072
INDUSTRY	-	-	-	-	-	-	-	-	1	15
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	1	15
TRANSPORT	-	-	-	-	-	15	285	-	-	858
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	15	285	-	-	858
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	347	-	-	19	199
Residential	-	-	-	-	-	194	-	-	16	-
Comm. and public services	-	-	-	-	-	153	-	-	3	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	199
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Nepal

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	391136	-	11729	-	4244	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	10	-	-	-	-	2175	-
Exports	-	-	-	-	-	-	-	-	-3	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	10	391136	-	11729	-	6416	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	4	-	-	-	-10	-
TRANSFORMATION	-	-	-	-	622	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	622	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	48	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	48	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1433	-
FINAL CONSUMPTION	-	-	-	10	390518	-	11729	-	4925	-
INDUSTRY	-	-	-	-	2560	-	-	-	1735	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	2560	-	-	-	1735	-
TRANSPORT	-	-	-	-	-	-	-	-	7	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	7	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	387958	-	11729	-	3183	-
Residential	-	-	-	-	385463	-	11729	-	2305	-
Comm. and public services	-	-	-	-	2495	-	-	-	603	-
Agriculture/forestry	-	-	-	-	-	-	-	-	113	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	162	-
NON-ENERGY USE	-	-	-	10	-	-	-	-	-	-
in industry/transf./energy	-	-	-	10	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Nicaragua

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Nicaragua

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	14	18	91	27	7	133
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	648	-	-	-	-	100	239	2	-	461
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-22	-	-
Stock changes	49	-	-	-	-	-	-1	-4	-	15
DOMESTIC SUPPLY	697	-	-	-	14	118	329	3	7	609
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-12	-	-	-	-	-1	31	-	-	6
TRANSFORMATION	685	-	-	-	-	-	-	-	-	14
Electricity plants	-	-	-	-	-	-	-	-	-	14
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	685	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	14	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	14	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	117	360	3	7	601
INDUSTRY	-	-	-	-	-	13	9	-	-	96
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	5
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	1	-	-	9
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	13	8	-	-	82
TRANSPORT	-	-	-	-	-	-	333	3	-	421
Domestic aviation	-	-	-	-	-	-	-	3	-	-
Road	-	-	-	-	-	-	333	-	-	348
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	73
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	104	18	-	7	84
Residential	-	-	-	-	-	49	-	-	2	-
Comm. and public services	-	-	-	-	-	53	17	-	5	72
Agriculture/forestry	-	-	-	-	-	2	1	-	-	12
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Nicaragua

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	330	-	-	31	60561	-	-	-	4590	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	195	-	59	31	-	-	-	-	205	-
Exports	-	-	-	-18	-	-	-	-	-18	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-8	-	7	-1	-	-	-	-	-	-
DOMESTIC SUPPLY	517	-	66	43	60561	-	-	-	4777	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-4	-	-3	1	1	-	-	-	7	-
TRANSFORMATION	482	-	-	-	17147	-	-	-	-	-
Electricity plants	482	-	-	-	16818	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	329	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	393	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	393	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1051	-
FINAL CONSUMPTION	31	-	63	44	43415	-	-	-	3340	-
INDUSTRY	30	-	63	-	2679	-	-	-	1110	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	88	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	30	-	63	-	2679	-	-	-	1022	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1	-	-	-	40736	-	-	-	2230	-
Residential	-	-	-	-	37757	-	-	-	1075	-
Comm. and public services	1	-	-	-	1591	-	-	-	1044	-
Agriculture/forestry	-	-	-	-	1388	-	-	-	111	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	44	-	-	-	-	-	-
in industry/transf./energy	-	-	-	44	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Niger

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	247	-	1	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	247	-	1	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-10	-	-1	-	-	-	-	-
TRANSFORMATION	-	-	-	237	-	-	-	-	-	-	-
Electricity plants	-	-	-	233	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	4	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	736	-	-	-	-	47	224	-	-	333
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	45	45	1	24
Exports	-	-	-	-	-	-14	-90	-	-	-201
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-45	-	-
Stock changes	1	-	-	-	-	-	-	-2	-	-6
DOMESTIC SUPPLY	737	-	-	-	-	33	179	-2	1	150
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	94	-	-	-	-	-10	-	2	-	156
TRANSFORMATION	831	-	-	-	-	-	-	-	-	53
Electricity plants	-	-	-	-	-	-	-	-	-	53
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	831	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	23	179	-	1	253
INDUSTRY	-	-	-	-	-	-	-	-	-	61
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	61
TRANSPORT	-	-	-	-	-	-	179	-	-	192
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	179	-	-	192
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	23	-	-	1	-
Residential	-	-	-	-	-	14	-	-	1	-
Comm. and public services	-	-	-	-	-	9	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	16	-	-	-	95783	-	-	-	526	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2	-	-	4	-	-	-	-	779	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	18	-	-	4	95783	-	-	-	1305	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-5	-
TRANSFORMATION	16	-	-	-	2974	-	-	-	-	-
Electricity plants	16	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	2974	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	116	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	60	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	56	-
Losses	-	-	-	-	-	-	-	-	209	-
FINAL CONSUMPTION	2	-	-	4	92809	-	-	-	975	-
INDUSTRY	2	-	-	-	-	-	-	-	274	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	2	-	-	-	-	-	-	-	274	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	92809	-	-	-	701	-
Residential	-	-	-	-	92008	-	-	-	584	-
Comm. and public services	-	-	-	-	801	-	-	-	111	-
Agriculture/forestry	-	-	-	-	-	-	-	-	6	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	4	-	-	-	-	-	-
in industry/transf./energy	-	-	-	4	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	46	-	-	-	-	-	-	-	-	1531400
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-884260
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	46	-	-	-	-	-	-	-	-	647140
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	7645
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	253110
Electricity plants	-	-	-	-	-	-	-	-	-	-	253110
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	243251
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	164694
Oil refineries	-	-	-	-	-	-	-	-	-	-	3228
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	75329
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	46	-	-	-	-	-	-	-	-	158424
INDUSTRY	-	46	-	-	-	-	-	-	-	-	102858
Iron and steel	-	-	-	-	-	-	-	-	-	-	10743
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	17735
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	46	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	74380
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	55566
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	55566
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	55566
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	89333	1031	-	-	77	116	931	41	401	685
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	13557	539	302	3833
Exports	-86058	-1031	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-97
Intl. aviation bunkers	-	-	-	-	-	-	-	-424	-	-
Stock changes	-39	-	-	-	-	-	-852	-	-	-
DOMESTIC SUPPLY	3236	-	-	-	77	116	13636	156	703	4421
Transfers	-	-	461	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-47	-800	-156	44	-992
TRANSFORMATION	2924	-	461	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2924	-	461	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	36	20	-	-	-	27
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	36	20	-	-	-	27
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	312	-	-	-	41	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	49	12836	-	747	3402
INDUSTRY	-	-	-	-	-	2	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	2	-	-	-	-
TRANSPORT	-	-	-	-	-	-	12836	-	-	3398
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	12836	-	-	3290
Rail	-	-	-	-	-	-	-	-	-	54
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	54
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	47	-	-	747	4
Residential	-	-	-	-	-	47	-	-	506	-
Comm. and public services	-	-	-	-	-	-	-	-	1	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	4
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	240	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Nigeria

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	577	82	9	482	4776413	-	-	-	30897	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	297	-	-	258	-	-	-	-	-	-
Exports	-169	-82	-	-	-	-	-	-	-	-
Intl. marine bunkers	-216	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	182	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	671	-	9	740	4776413	-	-	-	30897	-
Transfers	-	-	-	-461	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	138	-
TRANSFORMATION	-	-	-	-	373942	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	373942	-	-	-	-	-
ENERGY IND. OWN USE	227	-	9	-	-	-	-	-	1092	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	227	-	9	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	885	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	207	-
Losses	-	-	-	-	-	-	-	-	4635	-
FINAL CONSUMPTION	444	-	-	279	4402471	-	-	-	25308	-
INDUSTRY	444	-	-	-	171221	-	-	-	4101	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	444	-	-	-	171221	-	-	-	4101	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	4231250	-	-	-	21207	-
Residential	-	-	-	-	4116997	-	-	-	14760	-
Comm. and public services	-	-	-	-	114253	-	-	-	6447	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	279	-	-	-	-	-	-
in industry/transf./energy	-	-	-	279	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Oman

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	1343097
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	81558
Exports	-	-	-	-	-	-	-	-	-	-	-443688
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	980967
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	4047
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	304957
Electricity plants	-	-	-	-	-	-	-	-	-	-	304957
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	147509
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	111755
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	35754
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	532548
INDUSTRY	-	-	-	-	-	-	-	-	-	-	450669
Iron and steel	-	-	-	-	-	-	-	-	-	-	29898
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	12850
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	2865
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	405056
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	7213
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	7213
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	74666
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	74666
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	74666
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Oman

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	49409	254	-	-	93	278	3018	666	6	2922
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	259	-	-	-	-	-	10
Exports	-43266	-	-	-	-	-376	-	-136	-	-603
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-514	-	-
Stock changes	-	-	-	-	-	-	-163	-16	-	-
DOMESTIC SUPPLY	6143	254	-	259	93	-98	2855	-	6	2329
Transfers	-	-254	1314	-	-	254	-	-	-	-
Statistical differences	3141	-	-	20	-	32	-	-	-	-
TRANSFORMATION	9284	-	1314	279	-	-	-	-	-	224
Electricity plants	-	-	-	-	-	-	-	-	-	224
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	9284	-	1314	279	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	93	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	93	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	188	2855	-	6	2105
INDUSTRY	-	-	-	-	-	-	-	-	6	305
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	6	305
TRANSPORT	-	-	-	-	-	-	2855	-	-	1082
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	2855	-	-	1082
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	188	-	-	-	718
Residential	-	-	-	-	-	188	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	718
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Oman

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3173	482	-	238	-	-	-	-	34210	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	49	-	-	-	-	-	-
Exports	-285	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-1677	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1211	482	-	287	-	-	-	-	34210	-
Transfers	-1314	-	-	-	-	-	-	-	-	-
Statistical differences	103	-	-	2	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	609	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	609	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	3242	-
FINAL CONSUMPTION	-	482	-	289	-	-	-	-	30359	-
INDUSTRY	-	-	-	-	-	-	-	-	5153	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	5153	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	25206	-
Residential	-	-	-	-	-	-	-	-	13995	-
Comm. and public services	-	-	-	-	-	-	-	-	10818	-
Agriculture/forestry	-	-	-	-	-	-	-	-	393	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	482	-	289	-	-	-	-	-	-
in industry/transf./energy	-	482	-	289	-	-	-	-	-	-
of which: chem./petrochem.	-	482	-	194	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Pakistan

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	3584	-	504	-	-	-	-	-	-	1165154
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	5165	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	8749	-	504	-	-	-	-	-	-	1165154
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	80619
TRANSFORMATION	-	216	-	-	-	-	-	-	-	-	361001
Electricity plants	-	216	-	-	-	-	-	-	-	-	361001
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	6190
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	6190
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	74511
FINAL CONSUMPTION	-	8533	-	504	-	-	-	-	-	-	804071
INDUSTRY	-	8533	-	504	-	-	-	-	-	-	290439
Iron and steel	-	-	-	-	-	-	-	-	-	-	1065
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	61934
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	8533	-	504	-	-	-	-	-	-	489
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	226951
TRANSPORT	-	-	-	-	-	-	-	-	-	-	63480
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	63480
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	300322
Residential	-	-	-	-	-	-	-	-	-	-	267198
Comm. and public services	-	-	-	-	-	-	-	-	-	-	33124
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	149830
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	149830
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	149830
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Pakistan

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	4161	458	-	40	190	187	1756	852	153	4755
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	9217	-	-	-	-	412	4377	116	-	3466
Exports	-312	-	-	-	-	-	-	-87	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-5
Intl. aviation bunkers	-	-	-	-	-	-	-	-765	-	-
Stock changes	-	-	-	-	-	-	-	-	-7	-
DOMESTIC SUPPLY	13066	458	-	40	190	599	6133	116	146	8216
Transfers	-	-458	-	-	-	458	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-2	-	-
TRANSFORMATION	13066	-	-	40	-	-	-	-	-	296
Electricity plants	-	-	-	-	-	-	-	-	-	296
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	13066	-	-	40	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	190	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	190	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	1057	6133	114	146	7920
INDUSTRY	-	-	-	-	-	-	-	-	34	493
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	493
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	34	-
TRANSPORT	-	-	-	-	-	-	6133	114	-	7224
Domestic aviation	-	-	-	-	-	-	-	114	-	-
Road	-	-	-	-	-	-	6133	-	-	6946
Rail	-	-	-	-	-	-	-	-	-	278
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1057	-	-	112	203
Residential	-	-	-	-	-	439	-	-	75	-
Comm. and public services	-	-	-	-	-	437	-	-	37	187
Agriculture/forestry	-	-	-	-	-	-	-	-	-	16
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	181	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3131	984	-	569	1412445	-	-	-	114003	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	6579	-	-	-	-	-	-	-	490	-
Exports	-	-984	-	-	-	-	-	-	-	-
Intl. marine bunkers	-49	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-24	-	-	-	-	-	-
DOMESTIC SUPPLY	9661	-	-	545	1412445	-	-	-	114493	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	1596	-
TRANSFORMATION	7897	-	-	-	38560	-	-	-	-	-
Electricity plants	7897	-	-	-	10584	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	27976	-	-	-	-	-
ENERGY IND. OWN USE	211	-	-	-	-	-	-	-	4223	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	211	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	4223	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	17902	-
FINAL CONSUMPTION	1553	-	-	545	1373885	-	-	-	93964	-
INDUSTRY	1548	-	-	77	152480	-	-	-	26472	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	1085	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	463	-	-	77	152480	-	-	-	26472	-
TRANSPORT	2	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	2	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	3	-	-	-	1221405	-	-	-	67492	-
Residential	-	-	-	-	1221405	-	-	-	45384	-
Comm. and public services	3	-	-	-	-	-	-	-	13093	-
Agriculture/forestry	-	-	-	-	-	-	-	-	9015	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	468	-	-	-	-	-	-
in industry/transf./energy	-	-	-	468	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	300	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	300	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	300	-	-	-	-	-	-	-	-	-
Electricity plants	-	300	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Panama

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	325	841	761	2	1352
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-273
Intl. aviation bunkers	-	-	-	-	-	-	-	-677	-	-
Stock changes	-	-	-	-	-	33	25	42	-	58
DOMESTIC SUPPLY	-	-	-	-	-	358	866	126	2	1137
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-66	-	-126	-	-2
TRANSFORMATION	-	-	-	-	-	-	-	-	-	44
Electricity plants	-	-	-	-	-	-	-	-	-	44
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	292	866	-	2	1091
INDUSTRY	-	-	-	-	-	91	36	-	2	378
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	91	36	-	2	378
TRANSPORT	-	-	-	-	-	1	817	-	-	662
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	817	-	-	662
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	-	-
OTHER	-	-	-	-	-	200	13	-	-	51
Residential	-	-	-	-	-	197	-	-	-	-
Comm. and public services	-	-	-	-	-	3	12	-	-	35
Agriculture/forestry	-	-	-	-	-	-	1	-	-	16
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Panama

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	13528	-	-	-	10886	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	4163	-	114	105	-	-	-	-	30	-
Exports	-	-	-	-	-	-	-	-	-398	-
Intl. marine bunkers	-3737	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	178	-	-	-34	-	-	-	-	-	-
DOMESTIC SUPPLY	604	-	114	71	13528	-	-	-	10518	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-8	-	-	-12	1	-	-	-	-195	-
TRANSFORMATION	563	-	-	-	3035	-	-	-	-	-
Electricity plants	563	-	-	-	3010	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	25	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	207	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	207	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1527	-
FINAL CONSUMPTION	33	-	114	59	10494	-	-	-	8589	-
INDUSTRY	33	-	114	-	3437	-	-	-	720	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	33	-	114	-	3437	-	-	-	720	-
TRANSPORT	-	-	-	1	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	1	-	-	-	-	-	-
OTHER	-	-	-	1	7057	-	-	-	7869	-
Residential	-	-	-	-	7026	-	-	-	2795	-
Comm. and public services	-	-	-	1	31	-	-	-	5065	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	9	-
NON-ENERGY USE	-	-	-	57	-	-	-	-	-	-
in industry/transf./energy	-	-	-	57	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Paraguay

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Paraguay

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	93	566	43	-	1236
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-43	-	-
Stock changes	-	-	-	-	-	-11	-5	-	-	107
DOMESTIC SUPPLY	-	-	-	-	-	82	561	-	-	1343
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	2
TRANSFORMATION	-	-	-	-	-	-	-	-	-	1
Electricity plants	-	-	-	-	-	-	-	-	-	1
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	82	561	-	-	1344
INDUSTRY	-	-	-	-	-	1	1	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	1	-	-	-
TRANSPORT	-	-	-	-	-	8	560	-	-	1344
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	560	-	-	1344
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	8	-	-	-	-
OTHER	-	-	-	-	-	73	-	-	-	-
Residential	-	-	-	-	-	73	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Paraguay

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	98576	228	-	-	63771	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	47	-	-	41	-	-	-	-	-	-
Exports	-	-	-	-	-2658	-	-	-	-48415	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	48	-	-	41	95918	228	-	-	15356	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	1	-	-	-	29	-	-	-	-	-
TRANSFORMATION	-	-	-	-	12272	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	12272	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	523	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	523	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	3821	-
FINAL CONSUMPTION	49	-	-	41	83675	228	-	-	11012	-
INDUSTRY	49	-	-	-	46486	1	-	-	2175	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	49	-	-	-	46486	1	-	-	2175	-
TRANSPORT	-	-	-	-	-	226	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	226	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	37190	1	-	-	8837	-
Residential	-	-	-	-	37039	1	-	-	4794	-
Comm. and public services	-	-	-	-	151	-	-	-	4043	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	41	-	-	-	-	-	-
in industry/transf./energy	-	-	-	9	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	32	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Peru

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	251	-	-	-	-	-	-	-	-	653763
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	610	-	-	119	-	-	-	-	-	-
Exports	-	-165	-	-	-	-	-	-	-	-	-267791
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	454	-	-	-32	-	-	-	-	-	-
DOMESTIC SUPPLY	-	1150	-	-	87	-	-	-	-	-	385972
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	72	-	-	1	-	-	-	-	-	-11731
TRANSFORMATION	-	427	-	-	-	-	-	-	-	-	221785
Electricity plants	-	427	-	-	-	-	-	-	-	-	221785
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	63977
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	63977
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	795	-	-	88	-	-	-	-	-	88479
INDUSTRY	-	795	-	-	88	-	-	-	-	-	53132
Iron and steel	-	55	-	-	88	-	-	-	-	-	2272
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	740	-	-	-	-	-	-	-	-	50860
TRANSPORT	-	-	-	-	-	-	-	-	-	-	30183
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	30183
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	5164
Residential	-	-	-	-	-	-	-	-	-	-	3552
Comm. and public services	-	-	-	-	-	-	-	-	-	-	1002
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	610
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	2001	4314	-	-	128	194	1714	557	67	2839
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	5286	-	-	-	-	32	21	289	-	3467
Exports	-115	-	-	-	-	-	-1627	-615	-	-357
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-909	-	-
Stock changes	14	-	-	-	-	118	104	644	-	-1012
DOMESTIC SUPPLY	7186	4314	-	-	128	344	212	-34	67	4937
Transfers	-	-2851	-	-	-	1354	1463	-	-	-
Statistical differences	-71	-	-	-	-18	-16	45	35	-	300
TRANSFORMATION	7115	1463	-	-	-	-	-	-	-	245
Electricity plants	-	-	-	-	-	-	-	-	-	245
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	7115	1463	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	110	-	13	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	110	-	13	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	1682	1707	1	67	4992
INDUSTRY	-	-	-	-	-	314	-	-	-	503
Iron and steel	-	-	-	-	-	-	-	-	-	288
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	32	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	282	-	-	-	215
TRANSPORT	-	-	-	-	-	482	1707	1	-	4328
Domestic aviation	-	-	-	-	-	-	-	1	-	-
Road	-	-	-	-	-	482	1707	-	-	4328
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	886	-	-	67	161
Residential	-	-	-	-	-	806	-	-	-	-
Comm. and public services	-	-	-	-	-	79	-	-	67	74
Agriculture/forestry	-	-	-	-	-	1	-	-	-	41
Fishing	-	-	-	-	-	-	-	-	-	46
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2396	-	-	251	102123	13	1335	-	51923	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	23	-	-	-	-	423	-	-	22	-
Exports	-1299	-	-	-1	-	-	-	-	-38	-
Intl. marine bunkers	-146	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-455	-	-	-82	-	35	-	-	-	-
DOMESTIC SUPPLY	519	-	-	168	102123	471	1335	-	51907	-
Transfers	-	-	-	4	-	-	-	-	-	-
Statistical differences	-168	-	-	22	1	9	37	-	-293	-
TRANSFORMATION	171	-	-	-	9733	15	1372	-	-	-
Electricity plants	171	-	-	-	7344	15	1372	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	2389	-	-	-	-	-
ENERGY IND. OWN USE	113	-	-	3	-	-	-	-	743	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	113	-	-	3	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	743	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	5503	-
FINAL CONSUMPTION	67	-	-	191	92391	465	-	-	45368	-
INDUSTRY	21	-	-	-	3	20	-	-	26204	-
Iron and steel	-	-	-	-	-	7	-	-	14665	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	21	-	-	-	3	13	-	-	11539	-
TRANSPORT	46	-	-	-	-	413	-	-	46	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	413	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	46	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	46	-
OTHER	-	-	-	-	92388	32	-	-	19118	-
Residential	-	-	-	-	83320	-	-	-	9394	-
Comm. and public services	-	-	-	-	133	24	-	-	8473	-
Agriculture/forestry	-	-	-	-	8935	3	-	-	997	-
Fishing	-	-	-	-	-	5	-	-	254	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	191	-	-	-	-	-	-
in industry/transf./energy	-	-	-	191	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	11211	-	-	-	-	-	3790	-	153257
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	15157	4537	250	336	-	-	-	-	-	-
Exports	-	-	-6835	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	388	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	15157	9301	250	336	-	-	-	3790	-	153257
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	15157	4229	-	336	-	-	-	-	-	144472
Electricity plants	-	15157	4229	-	-	-	-	-	-	-	144472
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	336	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	5748
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	5748
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	5072	250	-	-	-	-	3790	-	3037
INDUSTRY	-	-	5072	250	-	-	-	-	3790	-	3037
Iron and steel	-	-	432	-	-	-	-	-	3790	-	-
Chemical and petrochemical	-	-	22	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	3901	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	528	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	161	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	15	-	-	-	-	-	-	-	-
Non-specified	-	-	13	250	-	-	-	-	-	-	3037
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Philippines

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	760	-	-	-	106	459	2231	1010	67	3906
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	10670	-	-	-	-	995	1850	871	33	4738
Exports	-732	-	-	-	-	-3	-232	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-6
Intl. aviation bunkers	-	-	-	-	-	-	-	-1301	-	-
Stock changes	-219	-	-	-	-	-4	34	-8	-3	-147
DOMESTIC SUPPLY	10479	-	-	-	106	1447	3883	572	97	8491
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	242	-	-	-	-	4	-40	24	2	32
TRANSFORMATION	10599	-	-	-	-	-	-	-	-	479
Electricity plants	-	-	-	-	-	-	-	-	-	479
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	10599	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	122	-	-	-	106	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	122	-	-	-	106	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	1451	3843	596	99	8044
INDUSTRY	-	-	-	-	-	122	-	-	18	653
Iron and steel	-	-	-	-	-	15	-	-	-	16
Chemical and petrochemical	-	-	-	-	-	6	-	-	17	45
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	8	-	-	-	53
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	20	-	-	1	69
Mining and quarrying	-	-	-	-	-	-	-	-	-	179
Food and tobacco	-	-	-	-	-	50	-	-	-	101
Paper, pulp and print	-	-	-	-	-	-	-	-	-	2
Wood and wood products	-	-	-	-	-	3	-	-	-	4
Construction	-	-	-	-	-	6	-	-	-	183
Textile and leather	-	-	-	-	-	1	-	-	-	1
Non-specified	-	-	-	-	-	13	-	-	-	-
TRANSPORT	-	-	-	-	-	13	3836	596	-	6126
Domestic aviation	-	-	-	-	-	-	-	596	-	-
Road	-	-	-	-	-	13	3685	-	-	5645
Rail	-	-	-	-	-	-	-	-	-	2
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	151	-	-	479
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1316	7	-	81	1265
Residential	-	-	-	-	-	969	-	-	80	-
Comm. and public services	-	-	-	-	-	347	-	-	-	1053
Agriculture/forestry	-	-	-	-	-	-	2	-	-	34
Fishing	-	-	-	-	-	-	5	-	1	178
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	760	1242	-	-	326248	368	-	218	90797	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1053	929	-	150	-	205	-	-	-	-
Exports	-233	-697	-	-	-	-	-	-	-	-
Intl. marine bunkers	-45	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	36	-28	-	-4	-	41	-	-	-	-
DOMESTIC SUPPLY	1571	1446	-	146	326248	614	-	218	90797	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	274	-523	-	-26	1359	1	-	-	1	-
TRANSFORMATION	763	-	-	-	105594	10	-	218	-	-
Electricity plants	763	-	-	-	11586	10	-	218	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	94008	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	8357	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	8357	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	8286	-
FINAL CONSUMPTION	1082	923	-	120	222013	605	-	-	74155	-
INDUSTRY	663	-	-	-	48715	13	-	-	24120	-
Iron and steel	77	-	-	-	-	-	-	-	4917	-
Chemical and petrochemical	123	-	-	-	-	1	-	-	1465	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	148	-	-	-	-	1	-	-	1837	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	71	-	-	-	-	1	-	-	6030	-
Mining and quarrying	49	-	-	-	-	4	-	-	751	-
Food and tobacco	158	-	-	-	48133	2	-	-	4409	-
Paper, pulp and print	3	-	-	-	-	-	-	-	1351	-
Wood and wood products	7	-	-	-	-	-	-	-	571	-
Construction	8	-	-	-	-	4	-	-	227	-
Textile and leather	9	-	-	-	-	-	-	-	1869	-
Non-specified	10	-	-	-	582	-	-	-	693	-
TRANSPORT	207	-	-	-	-	565	-	-	102	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	559	-	-	-	-
Rail	-	-	-	-	-	-	-	-	102	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	207	-	-	-	-	6	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	212	-	-	-	173298	27	-	-	49933	-
Residential	-	-	-	-	159059	-	-	-	25631	-
Comm. and public services	204	-	-	-	14239	22	-	-	21770	-
Agriculture/forestry	5	-	-	-	-	1	-	-	2229	-
Fishing	3	-	-	-	-	4	-	-	303	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	923	-	120	-	-	-	-	-	-
in industry/transf./energy	-	923	-	120	-	-	-	-	-	-
of which: chem./petrochem.	-	923	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Qatar

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	6993189
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-5040310
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	1952879
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	991851
Electricity plants	-	-	-	-	-	-	-	-	-	-	407605
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	584246
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	612854
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	116900
Oil refineries	-	-	-	-	-	-	-	-	-	-	1253
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	494701
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	348174
INDUSTRY	-	-	-	-	-	-	-	-	-	-	226311
Iron and steel	-	-	-	-	-	-	-	-	-	-	23496
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	171946
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	30869
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	121863
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	121863
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	121863
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Qatar

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	31798	42527	-	-	61	339	1963	3447	-	2081
From other sources	5180	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	540
Exports	-28051	-22439	-	-	-	-9232	-296	-154	-	-3720
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-1719	-	-
Stock changes	-	-	-	-	-	-	-	-1574	-	-1185
DOMESTIC SUPPLY	8927	20088	-	-	61	-8893	1667	-	-	-2284
Transfers	-5180	-10900	-	-	-	10900	-	-	-	3720
Statistical differences	-	-	-	-	-	-	67	-	-	994
TRANSFORMATION	3747	9188	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	3747	9188	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	61	68	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	61	68	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	1939	1734	-	-	2430
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	1734	-	-	2430
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	1734	-	-	2430
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	134	-	-	-	-
Residential	-	-	-	-	-	134	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	1805	-	-	-	-
in industry/transf./energy	-	-	-	-	-	1805	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	1805	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Qatar

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	225	3997	-	740	-	-	-	-	42307	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-211	-5531	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-14	74	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-1460	-	740	-	-	-	-	42307	-
Transfers	-	1460	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	1	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	2642	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	2642	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	2532	-
FINAL CONSUMPTION	-	-	-	740	-	-	-	-	37134	-
INDUSTRY	-	-	-	740	-	-	-	-	12026	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	740	-	-	-	-	12026	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	25108	-
Residential	-	-	-	-	-	-	-	-	15519	-
Comm. and public services	-	-	-	-	-	-	-	-	6420	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	3169	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Romania

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	22980	-	-	-	-	9990	7	362111
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	10	147	641	213	808	-	-	-	-	39	54722
Exports	-	-	-	-3	-	-	-	-	-	-1	-44
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-21	18	28	21	-	-	-	-	-	2274
DOMESTIC SUPPLY	10	126	659	23218	829	-	-	-	9990	45	419063
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-6	384	20	-	-	-	-	-	-2885
TRANSFORMATION	-	-	157	23147	801	-	-	-	1770	-	130248
Electricity plants	-	-	-	17005	-	-	-	-	1212	-	42119
CHP plants	-	-	157	6128	-	-	-	-	124	-	71915
Heat plants	-	-	-	14	-	-	-	-	434	-	10780
Blast furnaces	-	-	-	-	801	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	5434
ENERGY IND. OWN USE	-	-	-	116	-	-	-	-	651	-	26816
Fuel mining and extraction	-	-	-	2	-	-	-	-	-	-	14059
Oil refineries	-	-	-	-	-	-	-	-	-	-	7886
Elec., CHP and heat plants	-	-	-	114	-	-	-	-	651	-	4734
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	137
Losses	-	-	-	-	-	-	-	-	913	-	4211
FINAL CONSUMPTION	10	126	496	339	48	-	-	-	6656	45	254903
INDUSTRY	10	126	458	141	47	-	-	-	6656	-	96967
Iron and steel	10	121	370	-	-	-	-	-	6656	-	22607
Chemical and petrochemical	-	5	-	-	43	-	-	-	-	-	24489
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	72	139	-	-	-	-	-	-	12159
Transport equipment	-	-	-	-	-	-	-	-	-	-	3875
Machinery	-	-	-	-	-	-	-	-	-	-	6516
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	77
Food and tobacco	-	-	16	-	4	-	-	-	-	-	13690
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	3425
Wood and wood products	-	-	-	-	-	-	-	-	-	-	2177
Construction	-	-	-	2	-	-	-	-	-	-	2911
Textile and leather	-	-	-	-	-	-	-	-	-	-	3799
Non-specified	-	-	-	-	-	-	-	-	-	-	1242
TRANSPORT	-	-	-	-	-	-	-	-	-	-	43
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	43
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	38	198	-	-	-	-	-	45	145076
Residential	-	-	38	193	-	-	-	-	-	-	106422
Comm. and public services	-	-	-	5	-	-	-	-	-	-	35471
Agriculture/forestry	-	-	-	-	-	-	-	-	-	45	3182
Fishing	-	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	1	-	-	-	-	-	12817
in industry/transf./energy	-	-	-	-	1	-	-	-	-	-	12817
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	12817
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Romania

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	3686	116	-	22	787	597	3405	398	10	5437
From other sources	89	-	42	-	-	-	-	-	-	-
Imports	7468	-	456	137	-	179	127	22	1	1232
Exports	-14	-33	-	-30	-	-297	-2124	-255	-	-1690
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-31
Intl. aviation bunkers	-	-	-	-	-	-	-	-248	-	-
Stock changes	96	-	-	-8	-	-1	-52	8	-	-63
DOMESTIC SUPPLY	11325	83	498	121	787	478	1356	-75	11	4885
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	173	-	-	-	1	-18	-27	100	-	-196
TRANSFORMATION	11498	77	498	121	148	27	-	-	-	9
Electricity plants	-	-	-	-	-	-	-	-	-	3
CHP plants	-	-	-	-	105	-	-	-	-	-
Heat plants	-	-	-	-	43	1	-	-	-	6
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	11498	77	498	121	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	26	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	493	40	2	-	9	47
Fuel mining and extraction	-	-	-	-	10	-	-	-	3	23
Oil refineries	-	-	-	-	482	-	-	-	-	12
Elec., CHP and heat plants	-	-	-	-	1	-	-	-	-	11
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	40	2	-	6	1
Losses	-	-	-	-	-	-	-	-	-	1
FINAL CONSUMPTION	-	6	-	-	147	393	1327	25	2	4632
INDUSTRY	-	6	-	-	147	81	11	1	-	299
Iron and steel	-	-	-	-	-	-	-	-	-	1
Chemical and petrochemical	-	6	-	-	147	36	-	-	-	2
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	27
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	5	1	1	-	7
Mining and quarrying	-	-	-	-	-	-	-	-	-	14
Food and tobacco	-	-	-	-	-	5	2	-	-	32
Paper, pulp and print	-	-	-	-	-	-	-	-	-	1
Wood and wood products	-	-	-	-	-	-	-	-	-	9
Construction	-	-	-	-	-	31	5	-	-	200
Textile and leather	-	-	-	-	-	1	-	-	-	2
Non-specified	-	-	-	-	-	3	3	-	-	4
TRANSPORT	-	-	-	-	-	65	1276	24	-	3908
Domestic aviation	-	-	-	-	-	-	-	24	-	-
Road	-	-	-	-	-	65	1276	-	-	3760
Rail	-	-	-	-	-	-	-	-	-	108
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	40
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	247	40	-	2	425
Residential	-	-	-	-	-	211	-	-	1	-
Comm. and public services	-	-	-	-	-	26	37	-	1	19
Agriculture/forestry	-	-	-	-	-	10	3	-	-	274
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	132
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Romania

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	218	184	843	315	149864	228	739	3357	65103	76761
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	7	205	676	4650	137	-	-	4177	-
Exports	-168	-110	-218	-208	-3292	-30	-	-	-9194	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	34	-5	-7	-4	-225	-7	-	44	-	-
DOMESTIC SUPPLY	84	76	823	779	150997	328	739	3401	60086	76761
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	5	-4	1	-30	-817	-1	-	-	-312	2266
TRANSFORMATION	66	-	100	16	7671	-	502	45	-	-
Electricity plants	-	-	-	-	949	-	167	2	-	-
CHP plants	41	-	100	-	5085	-	305	-	-	-
Heat plants	22	-	-	-	1637	-	30	43	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	16	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	3	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	1	-	113	14	438	-	-	-	9392	10753
Fuel mining and extraction	-	-	-	-	1	-	-	-	2184	119
Oil refineries	1	-	113	-	1	-	-	-	1251	3473
Elec., CHP and heat plants	-	-	-	-	436	-	-	-	4847	5640
Pumped storage plants	-	-	-	-	-	-	-	-	660	-
Other energy ind. own use	-	-	-	14	-	-	-	-	450	1521
Losses	-	-	-	-	7	-	-	-	7125	14537
FINAL CONSUMPTION	22	72	611	719	142064	327	237	3356	43257	53737
INDUSTRY	21	-	374	1	12154	-	154	3093	20817	11507
Iron and steel	-	-	5	-	1	-	-	36	5635	71
Chemical and petrochemical	-	-	-	-	171	-	16	656	3010	8140
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	9	-	369	-	1875	-	-	2167	2556	264
Transport equipment	-	-	-	-	-	-	-	-	1384	403
Machinery	-	-	-	-	78	-	-	20	2190	516
Mining and quarrying	-	-	-	-	14	-	-	-	250	8
Food and tobacco	8	-	-	-	803	-	101	179	1867	1253
Paper, pulp and print	-	-	-	-	68	-	-	28	664	113
Wood and wood products	-	-	-	-	7862	-	-	1	968	209
Construction	2	-	-	-	126	-	-	5	429	132
Textile and leather	-	-	-	-	21	-	-	1	707	143
Non-specified	2	-	-	1	1135	-	37	-	1157	255
TRANSPORT	-	-	-	-	6	327	-	-	1048	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	327	-	-	37	-
Rail	-	-	-	-	6	-	-	-	990	-
Pipeline transport	-	-	-	-	-	-	-	-	21	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1	-	9	-	129904	-	83	263	21392	42230
Residential	-	-	9	-	124547	-	-	-	12067	33661
Comm. and public services	-	-	-	-	-	-	-	263	8581	8018
Agriculture/forestry	1	-	-	-	214	-	-	-	742	551
Fishing	-	-	-	-	-	-	-	-	2	-
Non-specified	-	-	-	-	5143	-	83	-	-	-
NON-ENERGY USE	-	72	228	718	-	-	-	-	-	-
in industry/transf./energy	-	72	228	642	-	-	-	-	-	-
of which: chem./petrochem.	-	72	25	11	-	-	-	-	-	-
in transport	-	-	-	63	-	-	-	-	-	-
in other	-	-	-	13	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Russian Federation

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	83764	209098	-	73485	39500	-	-	270873	216546	1197	25046466
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	633	21091	-	2296	73	-	-	-	-	15	341547
Exports	-21743	-144093	-	-5272	-2261	-	-	-	-	-110	-8146589
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-698	-	-1079	-58	-	-	-	-	37	32037
DOMESTIC SUPPLY	62654	85398	-	69430	37254	-	-	270873	216546	1139	17273461
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-1285	-	-	-	-	-	-	-	-	-916
TRANSFORMATION	62654	75132	-	68231	36987	-	-	73480	63684	1090	9378701
Electricity plants	-	-	-	-	-	-	-	-	-	-	211217
CHP plants	-	55374	-	61418	-	-	-	68586	52739	729	7048994
Heat plants	-	13494	-	6813	3	-	-	4894	10945	320	2015486
Blast furnaces	-	6264	-	-	36984	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	62654	-	-	-	-	-	-	-	-	41	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	103004
ENERGY IND. OWN USE	-	1795	-	82	-	-	-	39178	5101	17	618083
Fuel mining and extraction	-	799	-	82	-	-	-	-	-	-	496245
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	996	-	-	-	-	-	-	-	17	77859
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	39178	5101	-	43979
Losses	-	-	-	-	-	-	-	-	-	-	261126
FINAL CONSUMPTION	-	7186	-	1117	267	-	-	158215	147761	32	7014635
INDUSTRY	-	1911	-	136	267	-	-	158215	147761	-	1694167
Iron and steel	-	-	-	-	-	-	-	156704	147761	-	585380
Chemical and petrochemical	-	172	-	1	91	-	-	-	-	-	264595
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	1449	-	33	73	-	-	926	-	-	420760
Transport equipment	-	12	-	4	18	-	-	-	-	-	23041
Machinery	-	59	-	1	3	-	-	585	-	-	64947
Mining and quarrying	-	-	-	41	73	-	-	-	-	-	58308
Food and tobacco	-	157	-	43	9	-	-	-	-	-	67743
Paper, pulp and print	-	30	-	-	-	-	-	-	-	-	25289
Wood and wood products	-	-	-	-	-	-	-	-	-	-	9806
Construction	-	32	-	13	-	-	-	-	-	-	169592
Textile and leather	-	-	-	-	-	-	-	-	-	-	2150
Non-specified	-	-	-	-	-	-	-	-	-	-	2556
TRANSPORT	-	-	-	-	-	-	-	-	-	-	1375549
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	7378
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	1368171
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	4900	-	981	-	-	-	-	-	32	2355882
Residential	-	2820	-	679	-	-	-	-	-	32	2188209
Comm. and public services	-	1988	-	270	-	-	-	-	-	-	107193
Agriculture/forestry	-	91	-	32	-	-	-	-	-	-	60430
Fishing	-	1	-	-	-	-	-	-	-	-	50
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	375	-	-	-	-	-	-	-	-	1589037
in industry/transf./energy	-	375	-	-	-	-	-	-	-	-	1589037
of which: chem./petrochem.	-	375	-	-	-	-	-	-	-	-	1589037
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	521715	26019	-	-	15590	22259	40004	11926 e	-	76249
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	752	-	-	-	112	171	21 e	-	82
Exports	-252844	-2026	-	-	-	-4877	-5216	-2432 e	-	-38115
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-8977
Intl. aviation bunkers	-	-	-	-	-	-	-	-4753 e	-	-
Stock changes	-485	73	-	-	-	54	-328	-	-	-348
DOMESTIC SUPPLY	268386	24818	-	-	15590	17548	34631	4762	-	28891
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-2	-	-
TRANSFORMATION	261280	24818	-	-	728	17	-	-	-	1389
Electricity plants	-	-	-	-	-	-	-	-	-	909
CHP plants	12	-	-	-	48	-	-	-	-	259
Heat plants	826	-	-	-	680	17	-	-	-	221
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	260442	24818	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	294	-	-	-	7044	39	-	-	-	2937
Fuel mining and extraction	294	-	-	-	-	12	-	-	-	2557
Oil refineries	-	-	-	-	7044	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	380
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	27	-	-	-	-
Losses	6772	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	40	-	-	-	7818	17492	34631	4760	-	24565
INDUSTRY	22	-	-	-	7818	417	-	-	-	3309
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	18	-	-	-	7818	312	-	-	-	140
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	1	-	-	-	-	18	-	-	-	82
Transport equipment	-	-	-	-	-	13	-	-	-	131
Machinery	-	-	-	-	-	15	-	-	-	145
Mining and quarrying	-	-	-	-	-	-	-	-	-	1392
Food and tobacco	3	-	-	-	-	40	-	-	-	582
Paper, pulp and print	-	-	-	-	-	2	-	-	-	82
Wood and wood products	-	-	-	-	-	1	-	-	-	149
Construction	-	-	-	-	-	16	-	-	-	593
Textile and leather	-	-	-	-	-	-	-	-	-	13
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	402	34631	4760	-	15443
Domestic aviation	-	-	-	-	-	-	-	4760 e	-	-
Road	-	-	-	-	-	391	34373	-	-	12519
Rail	-	-	-	-	-	-	28	-	-	1480
Pipeline transport	-	-	-	-	-	2	43	-	-	174
Domestic navigation	-	-	-	-	-	-	14	-	-	340
Non-specified	-	-	-	-	-	9	173	-	-	930
OTHER	18	-	-	-	-	6253	-	-	-	5813
Residential	-	-	-	-	-	6119	-	-	-	924
Comm. and public services	-	-	-	-	-	75	-	-	-	1907
Agriculture/forestry	8	-	-	-	-	59	-	-	-	2694
Fishing	-	-	-	-	-	-	-	-	-	288
Non-specified	10	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	10420	-	-	-	-
in industry/transf./energy	-	-	-	-	-	10420	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	10420	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Russian Federation

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	61426	25946	3229	13252	121911 e	-	-	218670	1090973	5374060
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1	6	466	395	246	-	-	-	3194	-
Exports	-52032 e	-560	-291	-3630	-1324	-	-	-	-17694	-
Intl. marine bunkers	-1684	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	111	-94	-40	-46	1238	-	-	-677	-	-
DOMESTIC SUPPLY	7822	25298	3364	9971	122071	-	-	217993	1076473	5374060
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-1684	-	-	-	-	-	-	-	-	-
TRANSFORMATION	4728	-	-	-	27398	-	-	158911	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	2064	-	-	-	1102	-	-	90771	-	-
Heat plants	2664	-	-	-	22923	-	-	68140	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	3373 e	-	-	-	-	-
ENERGY IND. OWN USE	458	-	-	-	-	-	-	6014	224542	489675
Fuel mining and extraction	-	-	-	-	-	-	-	-	111855	165688
Oil refineries	-	-	-	-	-	-	-	6014	22989	307062
Elec., CHP and heat plants	69	-	-	-	-	-	-	-	70201	-
Pumped storage plants	-	-	-	-	-	-	-	-	3001	-
Other energy ind. own use	389	-	-	-	-	-	-	-	16496	16925
Losses	-	-	-	-	-	-	-	-	107247	476776
FINAL CONSUMPTION	952	25298	3364	9971	94673	-	-	53068	744684	4407609
INDUSTRY	384	-	3364	-	2694	-	-	45256	326343	1797140
Iron and steel	161	-	-	-	597	-	-	18311	60124	287049
Chemical and petrochemical	27	-	-	-	129	-	-	1892	46951	512483
Non-ferrous metals	-	-	-	-	-	-	-	-	90563	-
Non-metallic minerals	16	-	-	-	31	-	-	1313	17352	90441
Transport equipment	23	-	-	-	24	-	-	38	12515	83800
Machinery	2	-	-	-	2	-	-	3	18164	321364
Mining and quarrying	10	-	-	-	140	-	-	932	27115	33319
Food and tobacco	25	-	-	-	476	-	-	3083	15803	173341
Paper, pulp and print	74	-	-	-	442	-	-	2497	17992	166621
Wood and wood products	9	-	-	-	782	-	-	17063	4372	49213
Construction	37	-	-	-	48	-	-	56	12617	24363
Textile and leather	-	-	-	-	10	-	-	53	1618	50913
Non-specified	-	-	3364	-	13	-	-	15	1157	4233
TRANSPORT	195	-	-	-	-	-	-	-	82569	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	41	-	-	-	-	-	-	-	48486	-
Pipeline transport	10	-	-	-	-	-	-	-	20381	-
Domestic navigation	77	-	-	-	-	-	-	-	-	-
Non-specified	67	-	-	-	-	-	-	-	13702	-
OTHER	373	-	-	-	91979	-	-	7812	335772	2610469
Residential	-	-	-	-	46258	-	-	-	161205	1800823
Comm. and public services	108	-	-	-	42983	-	-	5262	157205	707110
Agriculture/forestry	1	-	-	-	2729	-	-	2550	17162	101844
Fishing	264	-	-	-	9	-	-	-	200	692
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	25298	-	9971	-	-	-	-	-	-
in industry/transf./energy	-	25298	-	9971	-	-	-	-	-	-
of which: chem./petrochem.	-	25298	-	1722	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Saudi Arabia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	3450178
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	3450178
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	2322614
Electricity plants	-	-	-	-	-	-	-	-	-	-	2322614
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	138007
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	138007
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	989557
INDUSTRY	-	-	-	-	-	-	-	-	-	-	741205
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	741205
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	248352
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	248352
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	248352
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Saudi Arabia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	522795	60792	-	-	4291	1346	23723	4271	7187	51558
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	8773	-	-	10753
Exports	-373015	-153	-	-	-	-25103	-8975	-679	-6596	-28135
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-2694	-	-
Stock changes	-7217	-	-	-	-	-14	321	-	-142	-202
DOMESTIC SUPPLY	142563	60639	-	-	4291	-23771	23842	898	449	33974
Transfers	-	-50980	-	-	-	40227	-	-	-	-
Statistical differences	4693	-	-	-	-	-	-	-	-	418
TRANSFORMATION	144506	9659	-	-	-	-	-	-	-	11033
Electricity plants	22164	-	-	-	-	-	-	-	-	11033
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	122342	9659	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	5	-	-	-	4291	395	-	-	-	1076
Fuel mining and extraction	-	-	-	-	-	395	-	-	-	1076
Oil refineries	5	-	-	-	4291	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	2745	-	-	-	-	16061	23842	898	449	22283
INDUSTRY	2745	-	-	-	-	-	-	-	-	3591
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	2745	-	-	-	-	-	-	-	-	3591
TRANSPORT	-	-	-	-	-	-	23842	898	-	18692
Domestic aviation	-	-	-	-	-	-	-	898	-	-
Road	-	-	-	-	-	-	23842	-	-	18692
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1155	-	-	449	-
Residential	-	-	-	-	-	1155	-	-	449	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	14906	-	-	-	-
in industry/transf./energy	-	-	-	-	-	14906	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	14906	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Saudi Arabia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	25272	8914	-	2851	-	-	-	-	344809	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	7502	-	-	1286	313	-	-	-	-	-
Exports	-3755	-17062	-	-	-	-	-	-	-	-
Intl. marine bunkers	-3453	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	288	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	25854	-8148	-	4137	313	-	-	-	344809	-
Transfers	-	10753	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-11729	-
TRANSFORMATION	7803	-	-	-	-	-	-	-	-	-
Electricity plants	7803	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	919	-	-	780	-	-	-	-	21475	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	919	-	-	780	-	-	-	-	13438	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	8037	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	27936	-
FINAL CONSUMPTION	17132	2605	-	3357	313	-	-	-	283669	-
INDUSTRY	17132	-	-	-	-	-	-	-	40149	-
Iron and steel	-	-	-	-	-	-	-	-	4393	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	9324	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	478	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	283	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	17132	-	-	-	-	-	-	-	25671	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	313	-	-	-	243520	-
Residential	-	-	-	-	313	-	-	-	143660	-
Comm. and public services	-	-	-	-	-	-	-	-	99425	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	435	-
NON-ENERGY USE	-	2605	-	3357	-	-	-	-	-	-
in industry/transf./energy	-	2605	-	3357	-	-	-	-	-	-
of which: chem./petrochem.	-	2605	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Senegal

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	878
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	737	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	737	-	-	-	-	-	-	-	-	878
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	223	-	-	-	-	-	-	-	-	878
Electricity plants	-	223	-	-	-	-	-	-	-	-	878
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	514	-	-	-	-	-	-	-	-	-
INDUSTRY	-	514	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	514	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Senegal

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	23	3	116	-	-	629
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1162	-	-	-	-	147	68	224	-	1056
Exports	-	-	-	-	-	-14	-23	-	-	-676
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-134
Intl. aviation bunkers	-	-	-	-	-	-	-	-214	-	-
Stock changes	68	-	-	-	-	1	1	9	-	63
DOMESTIC SUPPLY	1230	-	-	-	23	137	162	19	-	938
Transfers	-	-	-	-	-	-	8	-4	4	-
Statistical differences	1	-	-	-	-	-3	1	-15	-	-103
TRANSFORMATION	1231	-	-	-	-	-	-	-	-	55
Electricity plants	-	-	-	-	-	-	-	-	-	55
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1231	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	23	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	23	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	134	171	-	4	780
INDUSTRY	-	-	-	-	-	6	-	-	-	18
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	1
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	6	-	-	-	17
TRANSPORT	-	-	-	-	-	-	171	-	-	754
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	126	-	-	754
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	45	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	128	-	-	4	8
Residential	-	-	-	-	-	123	-	-	4	-
Comm. and public services	-	-	-	-	-	5	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	8
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Senegal

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	266	87	-	-	64634	-	-	-	4457	513
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	624	-	-	-	-	-	-	-	-	-
Exports	-56	-88	-	-	-	-	-	-	-	-
Intl. marine bunkers	-3	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	1	9	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	832	8	-	-	64634	-	-	-	4457	513
Transfers	-	-8	-	-	-	-	-	-	-	-
Statistical differences	6	-	-	-	2	-	-	-	1	-
TRANSFORMATION	710	-	-	-	18506	-	-	-	-	513
Electricity plants	710	-	-	-	2622	-	-	-	-	513
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	15884	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	54	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	54	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	670	-
FINAL CONSUMPTION	128	-	-	-	46130	-	-	-	3734	-
INDUSTRY	128	-	-	-	1283	-	-	-	1073	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	3	-	-	-	-	-	-	-	325	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	12	-	-	-	-	-	-	-	540	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	1059	-	-	-	-	-
Food and tobacco	-	-	-	-	224	-	-	-	184	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	4	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	113	-	-	-	-	-	-	-	20	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	44847	-	-	-	2661	-
Residential	-	-	-	-	44847	-	-	-	1120	-
Comm. and public services	-	-	-	-	-	-	-	-	942	-
Agriculture/forestry	-	-	-	-	-	-	-	-	105	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	494	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Serbia

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	38440	-	434	-	-	9549	-	19381
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	179	-	336	664	11	-	-	-	-	66499
Exports	-	-	-	-66	-	-4	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	10	-	282	-2	16	-	-	-	-	2106
DOMESTIC SUPPLY	-	189	-	38992	662	457	-	-	9549	-	87986
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	74	-	38018	574	48	-	-	3929	-	32852
Electricity plants	-	-	-	15941	-	-	-	-	-	-	-
CHP plants	-	-	-	20936	-	41	-	-	3929	-	5331
Heat plants	-	-	-	373	-	7	-	-	-	-	22742
Blast furnaces	-	74	-	-	574	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	768	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	4779
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	6704
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	3469
Oil refineries	-	-	-	-	-	-	-	-	-	-	3112
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	123
Losses	-	1	-	1	-	-	-	-	2214	-	835
FINAL CONSUMPTION	-	114	-	973	88	409	-	-	3406	-	47595
INDUSTRY	-	114	-	405	88	116	-	-	3406	-	20376
Iron and steel	-	10	-	-	87	-	-	-	3406	-	3270
Chemical and petrochemical	-	21	-	101	-	42	-	-	-	-	5931
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	764
Non-metallic minerals	-	81	-	195	1	7	-	-	-	-	2805
Transport equipment	-	-	-	-	-	-	-	-	-	-	988
Machinery	-	1	-	26	-	-	-	-	-	-	481
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	14
Food and tobacco	-	-	-	25	-	16	-	-	-	-	4246
Paper, pulp and print	-	-	-	6	-	33	-	-	-	-	1033
Wood and wood products	-	-	-	-	-	-	-	-	-	-	44
Construction	-	-	-	2	-	-	-	-	-	-	-
Textile and leather	-	1	-	18	-	-	-	-	-	-	385
Non-specified	-	-	-	32	-	18	-	-	-	-	415
TRANSPORT	-	-	-	-	-	-	-	-	-	-	241
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	168
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	73
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	558	-	293	-	-	-	-	16159
Residential	-	-	-	333	-	286	-	-	-	-	7804
Comm. and public services	-	-	-	225	-	7	-	-	-	-	7282
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	1073
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	10	-	-	-	-	-	-	10819
in industry/transf./energy	-	-	-	10	-	-	-	-	-	-	10819
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	10819
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Serbia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	930	33	-	12	65	166	482	123	-	1322
From other sources	26	-	137	-	-	-	-	-	-	-
Imports	2190	60	36	9	-	183	51	5	-	448
Exports	-	-	-2	-8	-	-66	-125	-15	-	-128
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-20
Intl. aviation bunkers	-	-	-	-	-	-	-	-115	-	-
Stock changes	-14	-	1	-1	-	2	6	2	-	-14
DOMESTIC SUPPLY	3132	93	172	12	65	285	414	-	-	1608
Transfers	-	-	39	-	-	10	-	-	-	17
Statistical differences	8	-	-	-	-	-	1	-	-	2
TRANSFORMATION	3140	93	211	12	-	13	-	-	-	27
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	7	-	-	-	27
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	3140	93	211	12	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	6	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	65	-	-	-	-	3
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	65	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	3
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	282	415	-	-	1597
INDUSTRY	-	-	-	-	-	27	1	-	-	99
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	1	-	-	-	20
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	4	-	-	-	11
Transport equipment	-	-	-	-	-	-	-	-	-	8
Machinery	-	-	-	-	-	2	-	-	-	25
Mining and quarrying	-	-	-	-	-	-	1	-	-	16
Food and tobacco	-	-	-	-	-	17	-	-	-	6
Paper, pulp and print	-	-	-	-	-	1	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	1
Construction	-	-	-	-	-	1	-	-	-	11
Textile and leather	-	-	-	-	-	1	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	1
TRANSPORT	-	-	-	-	-	148	414	-	-	1352
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	148	414	-	-	1333
Rail	-	-	-	-	-	-	-	-	-	10
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	9
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	72	-	-	-	146
Residential	-	-	-	-	-	58	-	-	-	-
Comm. and public services	-	-	-	-	-	10	-	-	-	17
Agriculture/forestry	-	-	-	-	-	4	-	-	-	129
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	35	-	-	-	-
in industry/transf./energy	-	-	-	-	-	35	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	35	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Serbia

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	389	359	13	516	46259	-	307	23	39342	36097
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	25	79	140	131	464	-	-	-	5068	-
Exports	-50	-6	-18	-326	-2814	-	-	-	-6990	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	7	7	-	23	352	-	-	-	-	-
DOMESTIC SUPPLY	371	439	135	344	44261	-	307	23	37420	36097
Transfers	-8	-3	-	-55	-	-	-	-	-	-
Statistical differences	2	-	-	-1	-	-	-	-	-	-
TRANSFORMATION	160	131	-	2	877	-	210	23	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	66	-	-	2	90	-	210	23	-	-
Heat plants	94	-	-	-	98	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	131	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	689	-	-	-	-	-
ENERGY IND. OWN USE	64	-	13	10	-	-	-	-	5280	2141
Fuel mining and extraction	-	-	-	-	-	-	-	-	691	-
Oil refineries	28	-	13	10	-	-	-	-	243	-
Elec., CHP and heat plants	36	-	-	-	-	-	-	-	2714	1553
Pumped storage plants	-	-	-	-	-	-	-	-	1029	-
Other energy ind. own use	-	-	-	-	-	-	-	-	603	588
Losses	-	-	-	-	19	-	-	-	4808	3406
FINAL CONSUMPTION	141	305	122	276	43365	-	97	-	27332	30550
INDUSTRY	95	-	121	20	5490	-	27	-	7731	10453
Iron and steel	-	-	-	-	-	-	-	-	845	701
Chemical and petrochemical	21	-	-	20	140	-	-	-	1160	4217
Non-ferrous metals	8	-	-	-	31	-	-	-	409	490
Non-metallic minerals	14	-	121	-	129	-	-	-	691	51
Transport equipment	-	-	-	-	15	-	-	-	236	28
Machinery	14	-	-	-	505	-	-	-	604	53
Mining and quarrying	-	-	-	-	3	-	-	-	417	-
Food and tobacco	20	-	-	-	1886	-	27	-	1494	2486
Paper, pulp and print	3	-	-	-	111	-	-	-	463	900
Wood and wood products	-	-	-	-	636	-	-	-	122	4
Construction	-	-	-	-	-	-	-	-	321	-
Textile and leather	5	-	-	-	745	-	-	-	345	70
Non-specified	10	-	-	-	1289	-	-	-	624	1453
TRANSPORT	-	-	-	-	-	-	-	-	352	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	352	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	46	-	-	-	37875	-	70	-	19249	20097
Residential	-	-	-	-	36556	-	-	-	13931	16929
Comm. and public services	46	-	-	-	1237	-	47	-	5005	3168
Agriculture/forestry	-	-	-	-	82	-	23	-	313	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	305	1	256	-	-	-	-	-	-
in industry/transf./energy	-	305	1	239	-	-	-	-	-	-
of which: chem./petrochem.	-	305	-	23	-	-	-	-	-	-
in transport	-	-	-	17	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

South Africa

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	3742	251567	-	-	1940	-	67620	20821	20562	-	42790
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	530	-	-	-	-	-	-	-	-	-	163008
Exports	-1039	-68905	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	3233	182662	-	-	1940	-	67620	20821	20562	-	205798
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	1878	-	-	-	-	-	-	-	-	-
TRANSFORMATION	3233	141182	-	-	1940	-	-	-	-	-	127058
Electricity plants	-	122338	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	1940	-	-	-	-	-	-
Gas works	-	8381	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	3233	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	10463	-	-	-	-	-	-	-	-	127058
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	21074	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	21074	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	22284	-	-	-	-	67620	20821	20562	-	78740
INDUSTRY	-	11887	-	-	-	-	66240	20821	20562	-	78662
Iron and steel	-	2450	-	-	-	-	13887	20821	20562	-	9511
Chemical and petrochemical	-	-	-	-	-	-	37360	-	-	-	43998
Non-ferrous metals	-	1815	-	-	-	-	-	-	-	-	457
Non-metallic minerals	-	1824	-	-	-	-	4973	-	-	-	15067
Transport equipment	-	-	-	-	-	-	-	-	-	-	640
Machinery	-	-	-	-	-	-	1471	-	-	-	1106
Mining and quarrying	-	231	-	-	-	-	1833	-	-	-	-
Food and tobacco	-	-	-	-	-	-	883	-	-	-	2990
Paper, pulp and print	-	-	-	-	-	-	1973	-	-	-	715
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	14
Non-specified	-	5567	-	-	-	-	3860	-	-	-	4164
TRANSPORT	-	-	-	-	-	-	-	-	-	-	8
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	8
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	8032	-	-	-	-	1380	-	-	-	70
Residential	-	4969	-	-	-	-	-	-	-	-	-
Comm. and public services	-	2461	-	-	-	-	1380	-	-	-	70
Agriculture/forestry	-	487	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	115	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	2365	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	2365	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	2365	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

South Africa

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	109	147	-	-	940	304	6424	2211	466	7580
From other sources	5408	-	-	-	-	-	-	-	-	-
Imports	23242	-	-	-	-	99	1033	110	-	3849
Exports	-	-	-	-	-	-38	-858	-312	-	-1642
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-1556
Intl. aviation bunkers	-	-	-	-	-	-	-	-968	-	-
Stock changes	122	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	28881	147	-	-	940	365	6599	1041	466	8231
Transfers	-5408	-	-	-	-	-	2358	152	-	2900
Statistical differences	-122	-	-	-	-	-30	-	-	35	-
TRANSFORMATION	23351	147	-	-	-	-	-	-	-	44
Electricity plants	-	-	-	-	-	-	-	-	-	44
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	23351	147	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	940	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	940	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	335	8957	1193	501	11087
INDUSTRY	-	-	-	-	-	1	4	-	10	1595
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	1	4	-	9	1500
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	1	95
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	1	8789	1193	2	7881
Domestic aviation	-	-	-	-	-	-	-	1193	-	-
Road	-	-	-	-	-	1	8750	-	2	7778
Rail	-	-	-	-	-	-	37	-	-	102
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	2	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	333	164	-	489	1611
Residential	-	-	-	-	-	290	2	-	282	5
Comm. and public services	-	-	-	-	-	43	3	-	76	12
Agriculture/forestry	-	-	-	-	-	-	134	-	129	831
Fishing	-	-	-	-	-	-	-	-	2	55
Non-specified	-	-	-	-	-	-	25	-	-	708
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

South Africa

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	3605	-	-	707	518542	-	-	-	252747	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	77	-	-	2102	-	-	-	-	10555	-
Exports	-1163	-	-	-204	-9548	-	-	-	-16549	-
Intl. marine bunkers	-1861	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	658	-	-	2605	508994	-	-	-	246753	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-46	-	-	2	-	-	-	-	-1269	-
TRANSFORMATION	-	-	-	-	136584	-	-	-	-	-
Electricity plants	-	-	-	-	3744	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	132840	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	31267	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	3241	-
Oil refineries	-	-	-	-	-	-	-	-	9492	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	13726	-
Pumped storage plants	-	-	-	-	-	-	-	-	4808	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	21399	-
FINAL CONSUMPTION	612	-	-	2607	372410	-	-	-	192818	-
INDUSTRY	590	-	-	-	64261	-	-	-	115940	-
Iron and steel	-	-	-	-	-	-	-	-	3754	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	11171	-
Non-ferrous metals	-	-	-	-	-	-	-	-	17065	-
Non-metallic minerals	-	-	-	-	-	-	-	-	2571	-
Transport equipment	-	-	-	-	-	-	-	-	43	-
Machinery	-	-	-	-	-	-	-	-	42	-
Mining and quarrying	23	-	-	-	-	-	-	-	30221	-
Food and tobacco	-	-	-	-	-	-	-	-	706	-
Paper, pulp and print	-	-	-	-	-	-	-	-	1590	-
Wood and wood products	-	-	-	-	-	-	-	-	278	-
Construction	2	-	-	-	-	-	-	-	105	-
Textile and leather	-	-	-	-	-	-	-	-	122	-
Non-specified	565	-	-	-	64261	-	-	-	48272	-
TRANSPORT	3	-	-	-	-	-	-	-	3457	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	2	-	-	-	-	-	-	-	29	-
Rail	1	-	-	-	-	-	-	-	2849	-
Pipeline transport	-	-	-	-	-	-	-	-	75	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	504	-
OTHER	19	-	-	-	308149	-	-	-	73421	-
Residential	-	-	-	-	308149	-	-	-	38375	-
Comm. and public services	4	-	-	-	-	-	-	-	27890	-
Agriculture/forestry	2	-	-	-	-	-	-	-	5649	-
Fishing	4	-	-	-	-	-	-	-	-	-
Non-specified	9	-	-	-	-	-	-	-	1507	-
NON-ENERGY USE	-	-	-	2607	-	-	-	-	-	-
in industry/transf./energy	-	-	-	2607	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

South Sudan

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	5891	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	3	51	80	2	417
Exports	-5821	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-61	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	70	-	-	-	-	3	51	19	2	417
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-1	-	8
TRANSFORMATION	-	-	-	-	-	-	3	-	-	138
Electricity plants	-	-	-	-	-	-	3	-	-	138
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	70	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	70	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	3	-	12
FINAL CONSUMPTION	-	-	-	-	-	3	48	15	2	275
INDUSTRY	-	-	-	-	-	1	-	-	-	7
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	-	7
TRANSPORT	-	-	-	-	-	-	45	15	-	247
Domestic aviation	-	-	-	-	-	-	-	15	-	-
Road	-	-	-	-	-	-	45	-	-	247
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	2	3	-	2	21
Residential	-	-	-	-	-	2	-	-	2	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	2	-	-	21
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	1	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	8103	-	-	-	439	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	8103	-	-	-	439	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-104	-	-	-	-2	-
TRANSFORMATION	-	-	-	-	1393	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	1393	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	13	-	-	-	14	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	14	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	13	-	-	-	-	-
Losses	-	-	-	-	64	-	-	-	21	-
FINAL CONSUMPTION	-	-	-	-	6529	-	-	-	402	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	6529	-	-	-	402	-
Residential	-	-	-	-	6214	-	-	-	178	-
Comm. and public services	-	-	-	-	297	-	-	-	163	-
Agriculture/forestry	-	-	-	-	17	-	-	-	61	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	2405	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-323	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	2082	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	2004	-	-	-	-	-	-	-	-	-
Electricity plants	-	2004	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	78	-	-	-	-	-	-	-	-	-
INDUSTRY	-	78	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	78	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	14	9	166	148	104	583
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1685	-	-	-	-	345	957	337	-	1574
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-12
Intl. aviation bunkers	-	-	-	-	-	-	-	-523	-	-
Stock changes	61	-	-	-	-	2	40	42	31	-60
DOMESTIC SUPPLY	1746	-	-	-	14	356	1163	4	135	2085
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-1	-	-55
TRANSFORMATION	1746	-	-	-	-	-	-	-	-	334
Electricity plants	-	-	-	-	-	-	-	-	-	334
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1746	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	14	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	14	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	356	1163	3	135	1696
INDUSTRY	-	-	-	-	-	70	-	-	4	19
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	70	-	-	4	19
TRANSPORT	-	-	-	-	-	1	1163	3	-	1677
Domestic aviation	-	-	-	-	-	-	-	3	-	-
Road	-	-	-	-	-	1	1163	-	-	1638
Rail	-	-	-	-	-	-	-	-	-	39
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	285	-	-	131	-
Residential	-	-	-	-	-	229	-	-	-	-
Comm. and public services	-	-	-	-	-	56	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	131	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	479	144	-	1	196263	-	-	-	14284	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	350	-	-	71	-	-	-	-	-	-
Exports	-56	-34	-	-	-	-	-	-	-	-
Intl. marine bunkers	-594	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	704	23	-	1	-	-	-	-	-	-
DOMESTIC SUPPLY	883	133	-	73	196263	-	-	-	14284	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	36	-	-	-	-1	-	-	-	77	-
TRANSFORMATION	497	133	-	-	3806	-	-	-	-	-
Electricity plants	497	133	-	-	1976	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	1830	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	649	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	649	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	997	-
FINAL CONSUMPTION	422	-	-	73	192456	-	-	-	12715	-
INDUSTRY	356	-	-	-	73992	-	-	-	4149	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	356	-	-	-	73992	-	-	-	4149	-
TRANSPORT	66	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	66	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	118464	-	-	-	8566	-
Residential	-	-	-	-	113434	-	-	-	5166	-
Comm. and public services	-	-	-	-	5030	-	-	-	3400	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	73	-	-	-	-	-	-
in industry/transf./energy	-	-	-	71	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	2	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Sudan

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Sudan

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	5099	-	-	-	17	430	1310	156	11	1666
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1103	-	-	-	-	163	40	126	-	619
Exports	-949	-	-	-	-	-1	-32	-	-	-16
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-23
Intl. aviation bunkers	-	-	-	-	-	-	-	-282	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	5253	-	-	-	17	592	1318	-	11	2246
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	352	-	-	-	-	-111	-	-	-	-
TRANSFORMATION	5605	-	-	-	-	-	-	-	-	364
Electricity plants	1103	-	-	-	-	-	-	-	-	364
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	4502	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	17	-	-	-	-	34
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	34
Oil refineries	-	-	-	-	17	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	481	1318	-	11	1848
INDUSTRY	-	-	-	-	-	17	3	-	-	114
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	8
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	77
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	26
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	17	3	-	-	3
TRANSPORT	-	-	-	-	-	-	1297	-	-	1692
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	1297	-	-	1672
Rail	-	-	-	-	-	-	-	-	-	18
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	2
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	464	18	-	11	42
Residential	-	-	-	-	-	176	-	-	11	-
Comm. and public services	-	-	-	-	-	118	18	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	42
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	170	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Sudan

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	429	11	299	-	483116	-	-	-	14429	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	26	-	-	259	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	455	11	299	259	483116	-	-	-	14429	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	85	-	-	-	-	-	-	-	-	-
TRANSFORMATION	469	-	-	-	195558	-	-	-	-	-
Electricity plants	469	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	195558	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	53	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	53	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1862	-
FINAL CONSUMPTION	71	11	299	259	287558	-	-	-	12514	-
INDUSTRY	71	-	299	-	30975	-	-	-	1794	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	13	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	44	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	7	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	7	-	299	-	30975	-	-	-	1794	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	256583	-	-	-	10720	-
Residential	-	-	-	-	196218	-	-	-	6693	-
Comm. and public services	-	-	-	-	60365	-	-	-	3308	-
Agriculture/forestry	-	-	-	-	-	-	-	-	719	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	11	-	259	-	-	-	-	-	-
in industry/transf./energy	-	11	-	259	-	-	-	-	-	-
of which: chem./petrochem.	-	11	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Suriname

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Suriname

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	758	-	-	-	-	-	2	-	-	17
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	13	136	44	-	218
Exports	-	-	-	-	-	-	-	-	-	-39
Intl. marine bunkers	-	-	-	-	-	-	-	-44	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	758	-	-	-	-	13	138	-	-	196
Transfers	-433	-	-	-	-	-	-	-	-	-19
Statistical differences	65	-	-	-	-	-	-1	-	-	-1
TRANSFORMATION	387	-	-	-	-	-	-	-	-	16
Electricity plants	-	-	-	-	-	-	-	-	-	16
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	387	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	3	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	3	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	13	137	-	-	160
INDUSTRY	-	-	-	-	-	-	4	-	-	15
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	8
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	4	-	-	7
TRANSPORT	-	-	-	-	-	-	123	-	-	70
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	123	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	70
OTHER	-	-	-	-	-	13	10	-	-	75
Residential	-	-	-	-	-	12	-	-	-	-
Comm. and public services	-	-	-	-	-	1	6	-	-	-
Agriculture/forestry	-	-	-	-	-	-	4	-	-	75
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Suriname

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	364	-	-	-	1093	-	-	-	2022	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	30	-	-	-	31	-	-	-	-	-
Exports	-703	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-309	-	-	-	1124	-	-	-	2022	-
Transfers	588	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	260	-	-	-	-	-	-	-	-	-
Electricity plants	260	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	3	-	-	-	-	-	-	-	34	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	34	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	3	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	217	-
FINAL CONSUMPTION	16	-	-	-	1124	-	-	-	1771	-
INDUSTRY	-	-	-	-	172	-	-	-	851	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	172	-	-	-	851	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	16	-	-	-	952	-	-	-	920	-
Residential	-	-	-	-	948	-	-	-	591	-
Comm. and public services	-	-	-	-	4	-	-	-	329	-
Agriculture/forestry	16	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Syrian Arab Republic

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	6	-	141375
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	1	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	1	-	-	-	6	-	141375
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	48
TRANSFORMATION	-	-	-	-	1	-	-	-	-	-	115694
Electricity plants	-	-	-	-	-	-	-	-	-	-	115694
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	1	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	2116
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	2116
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	6	-	23613
INDUSTRY	-	-	-	-	-	-	-	-	6	-	8334
Iron and steel	-	-	-	-	-	-	-	-	6	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	8334
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	15279
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	15279
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	15279
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Syrian Arab Republic

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	1017	76	-	-	81	63	500	182	3	1898
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	5073	-	-	-	-	320	447	-	-	613
Exports	-	-	-	-	-	-	-	-135	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-153
Intl. aviation bunkers	-	-	-	-	-	-	-	-16	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	6090	76	-	-	81	383	947	31	3	2358
Transfers	-	-76	-	-	-	76	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	6090	-	-	-	-	-	-	-	-	231
Electricity plants	-	-	-	-	-	-	-	-	-	231
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	6090	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	81	-	-	-	-	2
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	2
Oil refineries	-	-	-	-	81	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	459	947	31	3	2125
INDUSTRY	-	-	-	-	-	-	-	-	-	340
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	340
TRANSPORT	-	-	-	-	-	-	947	31	-	1063
Domestic aviation	-	-	-	-	-	-	-	31	-	-
Road	-	-	-	-	-	-	947	-	-	1063
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	459	-	-	3	722
Residential	-	-	-	-	-	459	-	-	3	298
Comm. and public services	-	-	-	-	-	-	-	-	-	173
Agriculture/forestry	-	-	-	-	-	-	-	-	-	251
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Syrian Arab Republic

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2483	496	-	312	236	-	-	-	18112	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	5	-	-	-	-	-	-
Exports	-	-495	-	-	-	-	-	-	-67	-
Intl. marine bunkers	-2	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	2481	1	-	317	236	-	-	-	18045	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-66	-	-	-2	-	-	-	-	-	-
TRANSFORMATION	1574	-	-	-	16	-	-	-	-	-
Electricity plants	1574	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	16	-	-	-	-	-
ENERGY IND. OWN USE	86	-	-	-	-	-	-	-	2070	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	86	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	2070	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	2842	-
FINAL CONSUMPTION	755	1	-	315	220	-	-	-	13133	-
INDUSTRY	646	-	-	-	-	-	-	-	4417	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	646	-	-	-	-	-	-	-	4417	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	109	-	-	-	220	-	-	-	8716	-
Residential	-	-	-	-	-	-	-	-	6007	-
Comm. and public services	-	-	-	-	-	-	-	-	1365	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	109	-	-	-	220	-	-	-	1344	-
NON-ENERGY USE	-	1	-	315	-	-	-	-	-	-
in industry/transf./energy	-	1	-	306	-	-	-	-	-	-
of which: chem./petrochem.	-	1	-	-	-	-	-	-	-	-
in transport	-	-	-	9	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	6226	-	-	53638	83649	-	10767
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	6581	46514	12532	-	201	-	-	-	-	-	743987
Exports	-	-1	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-68	1205	-1443	-	7	-	-	-	-	-	-36153
DOMESTIC SUPPLY	6513	47718	11089	-	6434	-	-	53638	83649	-	718601
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	74	-277	771	-	-100	-	-	-	-2	-	40432
TRANSFORMATION	6587	36413	11860	-	5264	-	-	13093	31621	-	610739
Electricity plants	-	22935	11625	-	-	-	-	-	-	-	608036
CHP plants	-	9242	235	-	-	-	-	13093	31621	-	2703
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	2066	-	-	5264	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	6587	2170	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	10669	39570	-	8592
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	8198
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	394
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	10669	39570	-	-
Losses	-	-	-	-	78	-	-	10	916	-	-
FINAL CONSUMPTION	-	11028	-	-	992	-	-	29866	11540	-	139702
INDUSTRY	-	10984	-	-	648	-	-	29866	11540	-	78740
Iron and steel	-	277	-	-	648	-	-	29866	11540	-	8825
Chemical and petrochemical	-	6912	-	-	-	-	-	-	-	-	17488
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	1608
Non-metallic minerals	-	2189	-	-	-	-	-	-	-	-	7546
Transport equipment	-	-	-	-	-	-	-	-	-	-	33251
Machinery	-	227	-	-	-	-	-	-	-	-	6912
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	2
Food and tobacco	-	76	-	-	-	-	-	-	-	-	873
Paper, pulp and print	-	657	-	-	-	-	-	-	-	-	670
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	646	-	-	-	-	-	-	-	-	1409
Non-specified	-	-	-	-	-	-	-	-	-	-	156
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	60962
Residential	-	-	-	-	-	-	-	-	-	-	31439
Comm. and public services	-	-	-	-	-	-	-	-	-	-	28810
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	713
NON-ENERGY USE	-	44	-	-	344	-	-	-	-	-	-
in industry/transf./energy	-	44	-	-	344	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	8	-	-	-	1172	1108	9248	3729	7	13641
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	44837	-	-	317	-	1722	124	211	-	-
Exports	-	-	-	-	-	-4	-4497	-912	-	-8895
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-92
Intl. aviation bunkers	-	-	-	-	-	-	-	-2745	-	-
Stock changes	141	-	58	-	-	30	-146	-36	-3	77
DOMESTIC SUPPLY	44986	-	58	317	1172	2856	4729	247	4	4731
Transfers	-	-	-	-	-	-69	3007	-12	-	10
Statistical differences	73	-	-	-	-	-1	91	-4	1	134
TRANSFORMATION	45059	-	58	317	2	-	-	-	-	109
Electricity plants	-	-	-	-	-	-	-	-	-	109
CHP plants	-	-	-	-	2	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	45059	-	58	317	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	1170	71	2	-	-	26
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	1170	70	1	-	-	26
Elec., CHP and heat plants	-	-	-	-	-	-	1	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	1	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	2715	7825	231	5	4740
INDUSTRY	-	-	-	-	-	209	3	-	-	95
Iron and steel	-	-	-	-	-	8	-	-	-	6
Chemical and petrochemical	-	-	-	-	-	92	-	-	-	58
Non-ferrous metals	-	-	-	-	-	8	-	-	-	-
Non-metallic minerals	-	-	-	-	-	8	-	-	-	10
Transport equipment	-	-	-	-	-	4	3	-	-	3
Machinery	-	-	-	-	-	11	-	-	-	6
Mining and quarrying	-	-	-	-	-	2	-	-	-	4
Food and tobacco	-	-	-	-	-	5	-	-	-	3
Paper, pulp and print	-	-	-	-	-	4	-	-	-	1
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	1	-	-	-	3
Textile and leather	-	-	-	-	-	3	-	-	-	1
Non-specified	-	-	-	-	-	63	-	-	-	-
TRANSPORT	-	-	-	-	-	33	7793	96	-	4005
Domestic aviation	-	-	-	-	-	-	-	96	-	-
Road	-	-	-	-	-	33	7793	-	-	3919
Rail	-	-	-	-	-	-	-	-	-	18
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	68
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1006	29	135	5	640
Residential	-	-	-	-	-	943	-	-	-	-
Comm. and public services	-	-	-	-	-	63	27	135	2	268
Agriculture/forestry	-	-	-	-	-	-	-	-	-	1
Fishing	-	-	-	-	-	-	-	-	-	311
Non-specified	-	-	-	-	-	-	2	-	3	60
NON-ENERGY USE	-	-	-	-	-	1467	-	-	-	-
in industry/transf./energy	-	-	-	-	-	1467	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	1467	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	5118	7074	710	1664	5821	-	269	55950	264136	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	1687	11708	45	1908	-	-	-	-	-	-
Exports	-1267	-	-509	-919	-	-	-	-	-	-
Intl. marine bunkers	-1193	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	103	-19	-27	261	-	-	-	-	-	-
DOMESTIC SUPPLY	4448	18763	219	2914	5821	-	269	55950	264136	-
Transfers	-265	-2729	-	-205	-	-	-	-	-	-
Statistical differences	147	-46	-	1	-1	-	-	-	-71	-
TRANSFORMATION	2474	-	191	-	2253	-	269	55296	-	-
Electricity plants	2311	-	-	-	2253	-	269	55296	-	-
CHP plants	163	-	191	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	58	-	-	-	-	-	-	-	18932	-
Fuel mining and extraction	1	-	-	-	-	-	-	-	20	-
Oil refineries	41	-	-	-	-	-	-	-	3155	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	11486	-
Pumped storage plants	-	-	-	-	-	-	-	-	3792	-
Other energy ind. own use	16	-	-	-	-	-	-	-	479	-
Losses	-	-	-	-	-	-	-	-	8685	-
FINAL CONSUMPTION	1798	15988	28	2710	3567	-	-	654	236448	-
INDUSTRY	1373	-	-	10	3567	-	-	654	135682	-
Iron and steel	145	-	-	10	-	-	-	-	15106	-
Chemical and petrochemical	412	-	-	-	-	-	-	-	36656	-
Non-ferrous metals	19	-	-	-	-	-	-	-	1252	-
Non-metallic minerals	175	-	-	-	-	-	-	-	5336	-
Transport equipment	16	-	-	-	-	-	-	-	2501	-
Machinery	86	-	-	-	-	-	-	-	56236	-
Mining and quarrying	23	-	-	-	-	-	-	-	437	-
Food and tobacco	176	-	-	-	525	-	-	-	4135	-
Paper, pulp and print	42	-	-	-	3042	-	-	654	3839	-
Wood and wood products	5	-	-	-	-	-	-	-	382	-
Construction	48	-	-	-	-	-	-	-	589	-
Textile and leather	171	-	-	-	-	-	-	-	5340	-
Non-specified	55	-	-	-	-	-	-	-	3873	-
TRANSPORT	93	-	-	-	-	-	-	-	1361	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	1361	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	93	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	332	-	-	-	-	-	-	-	99405	-
Residential	-	-	-	-	-	-	-	-	47332	-
Comm. and public services	237	-	-	-	-	-	-	-	29761	-
Agriculture/forestry	3	-	-	-	-	-	-	-	1959	-
Fishing	26	-	-	-	-	-	-	-	964	-
Non-specified	66	-	-	-	-	-	-	-	19389	-
NON-ENERGY USE	-	15988	28	2700	-	-	-	-	-	-
in industry/transf./energy	-	15988	28	2700	-	-	-	-	-	-
of which: chem./petrochem.	-	15988	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Tajikistan

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	1311	-	50	-	-	-	-	-	-	122
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	10	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	1321	-	50	-	-	-	-	-	-	122
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	301	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	301	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	1020	-	50	-	-	-	-	-	-	122
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	1020	-	50	-	-	-	-	-	-	122
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	1020	-	50	-	-	-	-	-	-	122
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Tajikistan

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	25	-	-	-	-	-	1	-	-	5
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	349	196	32	-	211
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-32	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	25	-	-	-	-	349	197	-	-	216
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	25	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	25	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	349	197	-	-	216
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	197	-	-	216
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	197	-	-	216
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	349	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	349	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	7	-	-	3	-	-	-	-	17232	1648
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	17	-	127	18	-	-	-	-	103	-
Exports	-	-	-	-	-	-	-	-	-1428	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	24	-	127	21	-	-	-	-	15907	1648
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-127	-2	-	-	-	-	132	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	231	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	17	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	164	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	50	-
Losses	-	-	-	-	-	-	-	-	2746	-
FINAL CONSUMPTION	24	-	-	19	-	-	-	-	13062	1648
INDUSTRY	24	-	-	-	-	-	-	-	4114	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	100	-
Non-ferrous metals	-	-	-	-	-	-	-	-	3733	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	21	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	60	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	1	-
Construction	-	-	-	-	-	-	-	-	67	-
Textile and leather	-	-	-	-	-	-	-	-	132	-
Non-specified	24	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	35	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	28	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	7	-
OTHER	-	-	-	-	-	-	-	-	8913	1648
Residential	-	-	-	-	-	-	-	-	4845	1648
Comm. and public services	-	-	-	-	-	-	-	-	1147	-
Agriculture/forestry	-	-	-	-	-	-	-	-	2921	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	19	-	-	-	-	-	-
in industry/transf./energy	-	-	-	3	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	16	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	276	-	-	-	-	-	-	-	-	32357
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	276	-	-	-	-	-	-	-	-	32357
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	25558
Electricity plants	-	-	-	-	-	-	-	-	-	-	25558
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	276	-	-	-	-	-	-	-	-	6799
INDUSTRY	-	276	-	-	-	-	-	-	-	-	6799
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	1845
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	276	-	-	-	-	-	-	-	-	4954
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	107	813	158	44	1495
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-158	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	107	813	-	44	1495
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	93
Electricity plants	-	-	-	-	-	-	-	-	-	93
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	107	813	-	44	1402
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	813	-	-	1380
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	813	-	-	1380
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	107	-	-	44	22
Residential	-	-	-	-	-	107	-	-	44	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	22
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	947388	-	-	-	6998	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	232	-	-	51	-	-	-	-	102	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-70	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	162	-	-	51	947388	-	-	-	7100	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-430	-
TRANSFORMATION	56	-	-	-	118267	-	-	-	-	-
Electricity plants	56	-	-	-	378	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	117889	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	25	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	25	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1119	-
FINAL CONSUMPTION	106	-	-	51	829121	-	-	-	5526	-
INDUSTRY	106	-	-	-	125132	-	-	-	1472	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	106	-	-	-	125132	-	-	-	1472	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	703989	-	-	-	4054	-
Residential	-	-	-	-	639841	-	-	-	2499	-
Comm. and public services	-	-	-	-	-	-	-	-	1227	-
Agriculture/forestry	-	-	-	-	38134	-	-	-	175	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	26014	-	-	-	153	-
NON-ENERGY USE	-	-	-	51	-	-	-	-	-	-
in industry/transf./energy	-	-	-	51	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Togo

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Togo

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	7	152	80	68	320
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-19
Intl. aviation bunkers	-	-	-	-	-	-	-	-85	-	-
Stock changes	-	-	-	-	-	-	25	-	-3	-
DOMESTIC SUPPLY	-	-	-	-	-	7	177	-5	65	301
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	7	-	11
TRANSFORMATION	-	-	-	-	-	-	-	2	-	4
Electricity plants	-	-	-	-	-	-	-	2	-	4
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	7	177	-	65	308
INDUSTRY	-	-	-	-	-	-	-	-	-	2
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	2
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	177	-	-	306
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	177	-	-	306
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	7	-	-	65	-
Residential	-	-	-	-	-	7	-	-	65	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Togo

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	115866	-	-	-	232	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	51	-	-	2	-	-	-	-	1140	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	51	-	-	2	115866	-	-	-	1372	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	4	-	-	1	731	-	-	-	-	-
TRANSFORMATION	-	-	-	-	52212	-	-	-	-	-
Electricity plants	-	-	-	-	87	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	52125	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	12	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	12	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	112	-
FINAL CONSUMPTION	55	-	-	3	64385	-	-	-	1248	-
INDUSTRY	55	-	-	-	110	-	-	-	403	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	55	-	-	-	-	-	-	-	190	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	130	-
Food and tobacco	-	-	-	-	-	-	-	-	4	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	31	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	110	-	-	-	48	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	64275	-	-	-	845	-
Residential	-	-	-	-	55520	-	-	-	614	-
Comm. and public services	-	-	-	-	8755	-	-	-	158	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	73	-
NON-ENERGY USE	-	-	-	3	-	-	-	-	-	-
in industry/transf./energy	-	-	-	3	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Trinidad and Tobago

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	1347025
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-579166
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	767859
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	109063
Electricity plants	-	-	-	-	-	-	-	-	-	-	109063
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	125599
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	9659
Oil refineries	-	-	-	-	-	-	-	-	-	-	30266
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	85674
Losses	-	-	-	-	-	-	-	-	-	-	46569
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	486628
INDUSTRY	-	-	-	-	-	-	-	-	-	-	72109
Iron and steel	-	-	-	-	-	-	-	-	-	-	16949
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	4843
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	50317
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	3220
Residential	-	-	-	-	-	-	-	-	-	-	3220
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	411299
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	411299
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	411299
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Trinidad and Tobago

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	3695	865	-	-	192	24	2052	669	32	2113
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	5228	-	-	-	-	-	-	-	-	-
Exports	-1449	-	-	-	-	-379	-1972	-253	-	-1061
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-276
Intl. aviation bunkers	-	-	-	-	-	-	-	-309	-	-
Stock changes	189	-	-	-	-	-188	11	-	-	-7
DOMESTIC SUPPLY	7663	865	-	-	192	-543	91	107	32	769
Transfers	-	-900	-	-	-	499	401	-	-	-
Statistical differences	-	35	-	-	-	94	28	2	-	-1
TRANSFORMATION	7663	-	-	-	-	-	-	-	-	7
Electricity plants	-	-	-	-	-	-	-	-	-	7
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	7663	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	192	-	-	-	-	23
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	192	-	-	-	-	23
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	50	520	109	32	738
INDUSTRY	-	-	-	-	-	-	11	-	22	166
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	11	-	22	166
TRANSPORT	-	-	-	-	-	-	505	109	-	562
Domestic aviation	-	-	-	-	-	-	-	109	-	-
Road	-	-	-	-	-	-	505	-	-	562
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	50	4	-	10	10
Residential	-	-	-	-	-	50	4	-	10	-
Comm. and public services	-	-	-	-	-	-	-	-	-	10
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Trinidad and Tobago

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	2236	-	-	80	559	-	-	-	10712	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-1821	-	-	-58	-	-	-	-	-	-
Intl. marine bunkers	-296	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-49	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	70	-	-	22	559	-	-	-	10712	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	1	-	-	-	-	-	-	-	-24	-
TRANSFORMATION	71	-	-	5	75	-	-	-	-	-
Electricity plants	71	-	-	5	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	75	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	390	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	390	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	206	-
FINAL CONSUMPTION	-	-	-	17	484	-	-	-	10092	-
INDUSTRY	-	-	-	5	-	-	-	-	6101	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	5	-	-	-	-	6101	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	484	-	-	-	3991	-
Residential	-	-	-	-	484	-	-	-	2891	-
Comm. and public services	-	-	-	-	-	-	-	-	1100	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	12	-	-	-	-	-	-
in industry/transf./energy	-	-	-	12	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Tunisia

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	106061
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	136543
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	242604
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-320
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	169416
Electricity plants	-	-	-	-	-	-	-	-	-	-	167724
CHP plants	-	-	-	-	-	-	-	-	-	-	1692
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	7592
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	7592
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	65276
INDUSTRY	-	-	-	-	-	-	-	-	-	-	36542
Iron and steel	-	-	-	-	-	-	-	-	-	-	318
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	4943
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	20562
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	364
Food and tobacco	-	-	-	-	-	-	-	-	-	-	3577
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	2236
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	2628
Non-specified	-	-	-	-	-	-	-	-	-	-	1914
TRANSPORT	-	-	-	-	-	-	-	-	-	-	10737
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	10737
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	17997
Residential	-	-	-	-	-	-	-	-	-	-	9847
Comm. and public services	-	-	-	-	-	-	-	-	-	-	7165
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	985
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Tunisia

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	2197	237	-	-	2	20	22	-	53	439
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	886	-	-	-	-	363	516	225	-	1505
Exports	-1744	-70	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-2
Intl. aviation bunkers	-	-	-	-	-	-	-	-215	-	-
Stock changes	-39	-	-	-	-	3	15	-7	-	19
DOMESTIC SUPPLY	1300	167	-	-	2	386	553	3	53	1961
Transfers	-	-140	-	-	-	140	-	-	-	-
Statistical differences	-106	-22	-	-	-	3	13	-	-4	3
TRANSFORMATION	1194	-	-	-	-	-	-	-	-	2
Electricity plants	-	-	-	-	-	-	-	-	-	2
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	1194	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	5	-	-	2	-	-	-	-	15
Fuel mining and extraction	-	5	-	-	-	-	-	-	-	15
Oil refineries	-	-	-	-	2	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	529	566	3	49	1947
INDUSTRY	-	-	-	-	-	23	-	-	-	58
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	23	-	-	-	58
TRANSPORT	-	-	-	-	-	14	566	3	-	1497
Domestic aviation	-	-	-	-	-	-	-	3	-	-
Road	-	-	-	-	-	14	566	-	-	1480
Rail	-	-	-	-	-	-	-	-	-	17
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	492	-	-	40	392
Residential	-	-	-	-	-	452	-	-	40	6
Comm. and public services	-	-	-	-	-	40	-	-	-	55
Agriculture/forestry	-	-	-	-	-	-	-	-	-	331
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	9	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	9	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Tunisia

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	409	230	-	10	45248	-	-	-	19808	3217
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	230	-	824	259	-	-	-	-	134	-
Exports	-367	-233	-	-	-	-	-	-	-255	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	4	3	-30	-	-	-	-	-	-	-
DOMESTIC SUPPLY	276	-	794	269	45248	-	-	-	19687	3217
Transfers	-	-	-	11	-	-	-	-	-	-
Statistical differences	9	-	-40	2	-1	-	-	-	-142	-
TRANSFORMATION	17	-	-	-	8792	-	-	-	-	3217
Electricity plants	17	-	-	-	-	-	-	-	-	3217
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	8792	-	-	-	-	-
ENERGY IND. OWN USE	24	-	-	-	-	-	-	-	924	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	421	-
Oil refineries	24	-	-	-	-	-	-	-	11	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	492	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	3052	-
FINAL CONSUMPTION	244	-	754	282	36455	-	-	-	15569	-
INDUSTRY	218	-	754	-	-	-	-	-	5423	-
Iron and steel	-	-	-	-	-	-	-	-	291	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	673	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	754	-	-	-	-	-	1645	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	319	-
Food and tobacco	-	-	-	-	-	-	-	-	765	-
Paper, pulp and print	-	-	-	-	-	-	-	-	235	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	462	-
Non-specified	218	-	-	-	-	-	-	-	1033	-
TRANSPORT	-	-	-	-	-	-	-	-	96	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	73	-
Pipeline transport	-	-	-	-	-	-	-	-	23	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	26	-	-	-	36455	-	-	-	10050	-
Residential	-	-	-	-	35939	-	-	-	4628	-
Comm. and public services	1	-	-	-	516	-	-	-	4254	-
Agriculture/forestry	25	-	-	-	-	-	-	-	1168	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	282	-	-	-	-	-	-
in industry/transf./energy	-	-	-	225	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	57	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Turkmenistan

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	3022406
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-2029190
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	993216
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	410752
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	410752
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	96450
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	96450
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	486014
INDUSTRY	-	-	-	-	-	-	-	-	-	-	46570
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	46570
TRANSPORT	-	-	-	-	-	-	-	-	-	-	77126
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	77126
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	362318
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	333714
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	28604
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Turkmenistan

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	11080	934	-	-	120	360	2610	470	150	2770
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-2480	-	-	-	-	-	-1105	-	-	-690
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-470	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	8600	934	-	-	120	360	1505	-	150	2080
Transfers	-	-638	-	-	-	638	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	8600	296	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	8600	296	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	120	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	120	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	998	1505	-	150	2080
INDUSTRY	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	1505	-	-	1040
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	1505	-	-	1040
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	998	-	-	150	1040
Residential	-	-	-	-	-	-	-	-	150	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	998	-	-	-	1040
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Turkmenistan

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	1690	-	-	370	100	-	-	-	22534	9846
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	308	-	-	-	-	-
Exports	-759	-	-	-	-	-	-	-	-3201	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	931	-	-	370	408	-	-	-	19333	9846
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	3965	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	1779	-
Oil refineries	-	-	-	-	-	-	-	-	428	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	1703	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	55	-
Losses	-	-	-	-	-	-	-	-	2895	-
FINAL CONSUMPTION	931	-	-	370	408	-	-	-	12473	9846
INDUSTRY	-	-	-	-	100	-	-	-	4500	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	1461	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	100	-	-	-	3039	-
TRANSPORT	-	-	-	-	-	-	-	-	324	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	324	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	931	-	-	370	308	-	-	-	7649	9846
Residential	-	-	-	-	308	-	-	-	2622	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	3966	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	931	-	-	370	-	-	-	-	1061	9846
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Ukraine

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat ¹ (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite ¹	Coke / tar	Pat. fuel / BKB ¹	Gas works gas	Coke oven gas	Recovered gases ²		
Production	10495	25122	-	-	13442	-	-	90483	117461	539	705926
From other sources	-	4245	-	-	-	-	-	-	-	-	-
Imports	8109	7539	-	-	1612	-	-	-	-	17	409787
Exports	-336	-184	-	-	-257	-	-	-	-	-26	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	10	-1152	-	-	150	-	-	-	-	-7	75351
DOMESTIC SUPPLY	18278	35570	-	-	14947	-	-	90483	117461	523	1191064
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-8429
TRANSFORMATION	18124	32161	-	-	11447	-	-	16462	33965	324	389859
Electricity plants	-	27592	-	-	-	-	-	1566	2303	-	4624
CHP plants	-	2433	-	-	-	-	-	8243	24444	18	152502
Heat plants	36	2136	-	-	-	-	-	6653	7218	106	232733
Blast furnaces	-	-	-	-	10785	-	-	-	-	-	-
Gas works	-	-	-	-	56	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	18088	-	-	-	455	-	-	-	-	200	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	151	-	-	-	-	-	-
ENERGY IND. OWN USE	-	215	-	-	-	-	-	39389	-	20	41724
Fuel mining and extraction	-	21	-	-	-	-	-	-	-	-	23122
Oil refineries	-	-	-	-	-	-	-	-	-	-	3600
Elec., CHP and heat plants	-	194	-	-	-	-	-	-	-	-	578
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	39389	-	20	14424
Losses	-	3	-	-	-	-	-	-	19022	2	21933
FINAL CONSUMPTION	154	3191	-	-	3500	-	-	34632	64474	177	729119
INDUSTRY	-	2501	-	-	2903	-	-	34632	64329	7	115454
Iron and steel	-	1191	-	-	2903	-	-	34632	64329	1	55162
Chemical and petrochemical	-	4	-	-	-	-	-	-	-	-	9519
Non-ferrous metals	-	181	-	-	-	-	-	-	-	-	5982
Non-metallic minerals	-	1084	-	-	-	-	-	-	-	5	16911
Transport equipment	-	-	-	-	-	-	-	-	-	-	714
Machinery	-	2	-	-	-	-	-	-	-	-	4687
Mining and quarrying	-	1	-	-	-	-	-	-	-	-	13328
Food and tobacco	-	36	-	-	-	-	-	-	-	-	7050
Paper, pulp and print	-	-	-	-	-	-	-	-	-	1	859
Wood and wood products	-	-	-	-	-	-	-	-	-	-	135
Construction	-	2	-	-	-	-	-	-	-	-	471
Textile and leather	-	-	-	-	-	-	-	-	-	-	245
Non-specified	-	-	-	-	-	-	-	-	-	-	391
TRANSPORT	-	12	-	-	-	-	-	-	-	-	65074
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1306
Rail	-	8	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	63678
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	4	-	-	-	-	-	-	-	-	90
OTHER	154	515	-	-	-	-	-	-	-	170	465618
Residential	-	425	-	-	-	-	-	-	-	138	432004
Comm. and public services	154	77	-	-	-	-	-	-	-	31	27165
Agriculture/forestry	-	13	-	-	-	-	-	-	-	1	6449
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	163	-	-	597	-	-	-	145	-	82973
in industry/transf./energy	-	163	-	-	597	-	-	-	145	-	82973
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	79614
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. For this country, the peat column includes lignite, BKB, and patent fuels. See confidentiality issue in section 'Country notes and sources'.

2. Includes blast furnace gas and other recovered gases.

Ukraine

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ^a	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ⁴	Aviation fuels ⁵	Other kerosene ⁵	Gas / Diesel ⁴
Production	1623	650	-	22	26	409	652	-	-	929
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	502	14	6	2	-	1081	1454	-	-	5125
Exports	-	-	-23	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-5	5	-	-	-	-27	11	-	-	-612
DOMESTIC SUPPLY	2120	669	-17	24	26	1463	2117	-	-	5442
Transfers	-	-	274	-	-	-	-	-	-	-16
Statistical differences	-	-	-	-	743	-112	54	-	-	-310
TRANSFORMATION	2106	665	257	24	747	1	-	-	-	8
Electricity plants	-	-	-	-	-	-	-	-	-	7
CHP plants	-	-	-	-	-	1	-	-	-	-
Heat plants	-	-	-	-	747	-	-	-	-	1
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2106	665	257	24	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	3	2	-	-	22	1	-	-	-	19
Fuel mining and extraction	3	2	-	-	-	-	-	-	-	8
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	10
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	22	1	-	-	-	1
Losses	7	-	-	-	-	1	-	-	-	-
FINAL CONSUMPTION	4	2	-	-	-	1348	2171	-	-	5089
INDUSTRY	-	-	-	-	-	3	-	-	-	150
Iron and steel	-	-	-	-	-	-	-	-	-	50
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	1
Non-ferrous metals	-	-	-	-	-	-	-	-	-	1
Non-metallic minerals	-	-	-	-	-	1	-	-	-	10
Transport equipment	-	-	-	-	-	-	-	-	-	2
Machinery	-	-	-	-	-	-	-	-	-	4
Mining and quarrying	-	-	-	-	-	-	-	-	-	24
Food and tobacco	-	-	-	-	-	1	-	-	-	15
Paper, pulp and print	-	-	-	-	-	-	-	-	-	1
Wood and wood products	-	-	-	-	-	-	-	-	-	4
Construction	-	-	-	-	-	1	-	-	-	36
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	1
TRANSPORT	-	-	-	-	-	1200	2171	-	-	3462
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	1200	2171	-	-	3317
Rail	-	-	-	-	-	-	-	-	-	107
Pipeline transport	-	-	-	-	-	-	-	-	-	5
Domestic navigation	-	-	-	-	-	-	-	-	-	33
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	145	-	-	-	1477
Residential	-	-	-	-	-	105	-	-	-	-
Comm. and public services	-	-	-	-	-	21	-	-	-	67
Agriculture/forestry	-	-	-	-	-	19	-	-	-	1378
Fishing	-	-	-	-	-	-	-	-	-	2
Non-specified	-	-	-	-	-	-	-	-	-	30
NON-ENERGY USE	4	2	-	-	-	-	-	-	-	-
in industry/transf./energy	4	2	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

3. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

4. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

5. For this country, other kerosene includes aviation fuels (aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel).

Ukraine

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke ⁶	Other products ⁶	Solid bio-fuels ⁷ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	590	-	-	547	138667	6	1367	-	164573	447526
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	380	-	-	896	31	58	-	-	77	-
Exports	-3	-	-	-22	-23014	-6	-	-	-3830	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-164	-	-	-	-	-	-
Stock changes	62	-	-	-5	-23	-	-	-	-	-
DOMESTIC SUPPLY	1029	-	-	1252	115661	58	1367	-	160820	447526
Transfers	-	-	-	-274	-	-	-	-	-	-
Statistical differences	-360	-	-	-248	-	-	-	-	-6253	-2714
TRANSFORMATION	635	-	-	39	45026	-	1367	-	-	2465
Electricity plants	60	-	-	1	196	-	-	-	-	2465
CHP plants	541	-	-	24	10086	-	596	-	-	-
Heat plants	34	-	-	14	22551	-	771	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	12193	-	-	-	-	-
ENERGY IND. OWN USE	2	-	-	-	3	-	-	-	20501	55787
Fuel mining and extraction	-	-	-	-	-	-	-	-	2933	6232
Oil refineries	-	-	-	-	-	-	-	-	499	5535
Elec., CHP and heat plants	2	-	-	-	3	-	-	-	12684	23753
Pumped storage plants	-	-	-	-	-	-	-	-	1633	-
Other energy ind. own use	-	-	-	-	-	-	-	-	2752	20267
Losses	-	-	-	-	-	-	-	-	16626	42789
FINAL CONSUMPTION	32	-	-	691	70632	58	-	-	117440	343771
INDUSTRY	7	-	-	14	2151	-	-	-	49941	107830
Iron and steel	1	-	-	1	588	-	-	-	20899	22309
Chemical and petrochemical	1	-	-	-	10	-	-	-	2969	22789
Non-ferrous metals	-	-	-	-	-	-	-	-	1474	10182
Non-metallic minerals	1	-	-	2	110	-	-	-	2230	2409
Transport equipment	-	-	-	4	7	-	-	-	714	1706
Machinery	-	-	-	-	67	-	-	-	2451	3857
Mining and quarrying	-	-	-	2	12	-	-	-	9510	3856
Food and tobacco	-	-	-	2	395	-	-	-	4214	29916
Paper, pulp and print	-	-	-	-	16	-	-	-	878	4936
Wood and wood products	-	-	-	-	876	-	-	-	557	3606
Construction	4	-	-	2	31	-	-	-	814	447
Textile and leather	-	-	-	-	8	-	-	-	306	663
Non-specified	-	-	-	1	31	-	-	-	2925	1154
TRANSPORT	15	-	-	2	-	58	-	-	6796	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	58	-	-	-	-
Rail	-	-	-	-	-	-	-	-	5675	-
Pipeline transport	-	-	-	1	-	-	-	-	410	-
Domestic navigation	15	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	1	-	-	-	-	711	-
OTHER	7	-	-	11	68481	-	-	-	60703	235941
Residential	-	-	-	-	63075	-	-	-	35917	138902
Comm. and public services	6	-	-	8	4581	-	-	-	21251	86829
Agriculture/forestry	1	-	-	3	825	-	-	-	3513	10210
Fishing	-	-	-	-	-	-	-	-	22	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	3	-	-	664	-	-	-	-	-	-
in industry/transf./energy	3	-	-	545	-	-	-	-	-	-
of which: chem./petrochem.	1	-	-	89	-	-	-	-	-	-
in transport	-	-	-	12	-	-	-	-	-	-
in other	-	-	-	107	-	-	-	-	-	-

6. For this country, other products includes petroleum coke.

7. Includes both primary and secondary solid biofuels.

United Arab Emirates

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	2301573
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	2172	609	-	-	1	1	-	-	-	-	798169
Exports	-	-	-	-	-	-	-	-	-	-	-285230
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	2172	609	-	-	1	1	-	-	-	-	2814512
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	1657880
Electricity plants	-	-	-	-	-	-	-	-	-	-	1657880
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	28523
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	28523
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	2172	609	-	-	1	1	-	-	-	-	1128109
INDUSTRY	2172	609	-	-	1	1	-	-	-	-	1115312
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	8382
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	609	-	-	-	1	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	2172	-	-	-	1	-	-	-	-	-	1106930
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	12797
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	12797
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	12797
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

United Arab Emirates

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	154189	29604	-	-	422	794	5863	12664	-	10865
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	437	4004	-	-	684
Exports	-120236	-	-	-	-	-7997	-2571	-3853	-	-9561
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-89
Intl. aviation bunkers	-	-	-	-	-	-	-	-8269	-	-
Stock changes	7	-	-	-	-	1	-122	-221	-	-221
DOMESTIC SUPPLY	33960	29604	-	-	422	-6765	7174	321	-	1678
Transfers	-	-15017	-	-	-	9761	-	-	-	-
Statistical differences	2950	-752	-	-	-	-	301	-	-	2113
TRANSFORMATION	36910	13835	-	-	-	-	-	-	-	550
Electricity plants	-	-	-	-	-	-	-	-	-	550
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	36910	13835	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	422	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	422	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	2996	7475	321	-	3241
INDUSTRY	-	-	-	-	-	42	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	42	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	7475	321	-	3241
Domestic aviation	-	-	-	-	-	-	-	321	-	-
Road	-	-	-	-	-	-	7475	-	-	3241
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	258	-	-	-	-
Residential	-	-	-	-	-	258	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	2696	-	-	-	-
in industry/transf./energy	-	-	-	-	-	2696	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	2696	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

United Arab Emirates

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	6040	11782	-	1657	-	-	-	-	129596	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	12050	793	-	239	1940	-	-	-	1141	-
Exports	-	-17709	-	-731	-	-	-	-	-506	-
Intl. marine bunkers	-16675	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	61	-122	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	1476	-5256	-	1165	1940	-	-	-	130231	-
Transfers	-	5256	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-1035	-	-	-	-	-	-
TRANSFORMATION	53	-	-	-	-	-	-	-	-	-
Electricity plants	53	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	7001	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	7001	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	9301	-
FINAL CONSUMPTION	1423	-	-	130	1940	-	-	-	113929	-
INDUSTRY	1423	-	-	-	-	-	-	-	13983	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	1423	-	-	-	-	-	-	-	13983	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	1940	-	-	-	99946	-
Residential	-	-	-	-	-	-	-	-	40966	-
Comm. and public services	-	-	-	-	-	-	-	-	40052	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	1940	-	-	-	18928	-
NON-ENERGY USE	-	-	-	130	-	-	-	-	-	-
in industry/transf./energy	-	-	-	20	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	110	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Uruguay

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	5	-	-	-	-	-	-	-	-	2410
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	5	-	-	-	-	-	-	-	-	2410
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	1
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	158
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	158
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	33
FINAL CONSUMPTION	-	5	-	-	-	-	-	-	-	-	2220
INDUSTRY	-	-	-	-	-	-	-	-	-	-	545
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	47
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	93
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	284
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	60
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	28
Textile and leather	-	-	-	-	-	-	-	-	-	-	33
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	1675
Residential	-	-	-	-	-	-	-	-	-	-	1163
Comm. and public services	-	-	-	-	-	-	-	-	-	-	512
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	5	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	5	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Uruguay

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	68	95	576	114	7	785
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	2074	-	-	-	-	39	14	1	-	78
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-63
Intl. aviation bunkers	-	-	-	-	-	-	-	-96	-	-
Stock changes	62	-	-	-	-	-	1	-15	-	41
DOMESTIC SUPPLY	2136	-	-	-	68	134	591	4	7	841
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-2	-	-	-	-	14	-	2	-	-14
TRANSFORMATION	2133	-	-	-	-	-	-	-	-	81
Electricity plants	-	-	-	-	-	-	-	-	-	81
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2133	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	62	1	-	-	-	1
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	62	1	-	-	-	1
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	1	-	-	-	6	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	147	591	6	7	745
INDUSTRY	-	-	-	-	-	15	-	-	-	16
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	1	-	-	-	1
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	1
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	8	-	-	-	6
Paper, pulp and print	-	-	-	-	-	2	-	-	-	1
Wood and wood products	-	-	-	-	-	1	-	-	-	2
Construction	-	-	-	-	-	3	-	-	-	4
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	584	6	-	584
Domestic aviation	-	-	-	-	-	-	-	6	-	-
Road	-	-	-	-	-	-	584	-	-	584
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	132	7	-	5	145
Residential	-	-	-	-	-	115	-	-	5	5
Comm. and public services	-	-	-	-	-	6	1	-	-	6
Agriculture/forestry	-	-	-	-	-	11	6	-	-	123
Fishing	-	-	-	-	-	-	-	-	-	11
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	2	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	2	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Uruguay

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	401	-	46	40	85453	109	-	-	13238	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	12	-	63	33	94	-	-	-	24	-
Exports	-	-	-	-	-	-2	-	-	-779	-
Intl. marine bunkers	-85	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-15	-	-1	5	-	5	-	-	-	-
DOMESTIC SUPPLY	313	-	108	78	85547	112	-	-	12483	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-8	-	-1	-	-15	-2	-	-	633	-
TRANSFORMATION	31	-	-	-	12414	-	-	-	-	-
Electricity plants	31	-	-	-	4932	-	-	-	-	-
CHP plants	-	-	-	-	7482	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	49	-	46	-	-	-	-	-	393	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	49	-	46	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	393	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	22	-	-	-	-	1	-	-	1608	-
FINAL CONSUMPTION	203	-	61	78	73118	109	-	-	11115	-
INDUSTRY	173	-	61	-	58446	1	-	-	3384	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	7	-	-	-	167	-	-	-	763	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	12	-	-	-	142	-	-	-	76	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	31	-	-	-	4894	-	-	-	905	-
Paper, pulp and print	112	-	-	-	43637	-	-	-	1193	-
Wood and wood products	-	-	-	-	75	-	-	-	142	-
Construction	9	-	-	-	54	-	-	-	224	-
Textile and leather	2	-	-	-	440	-	-	-	81	-
Non-specified	-	-	61	-	9037	1	-	-	-	-
TRANSPORT	2	-	-	-	-	100	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	100	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	2	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	27	-	-	-	14672	8	-	-	7731	-
Residential	15	-	-	-	12282	-	-	-	4444	-
Comm. and public services	9	-	-	-	925	-	-	-	2990	-
Agriculture/forestry	2	-	-	-	1465	8	-	-	291	-
Fishing	1	-	-	-	-	-	-	-	6	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	1	-	-	78	-	-	-	-	-	-
in industry/transf./energy	1	-	-	78	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Uzbekistan

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	360	-	3989	-	-	-	-	-	-	2133020
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	20	-	-	-	-	-	-	-
Exports	-	-	-	-41	-	-	-	-	-	-	-609388
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	360	-	3968	-	-	-	-	-	-	1523632
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	2961	-	-	-	-	-	-	623544
Electricity plants	-	-	-	1589	-	-	-	-	-	-	272951
CHP plants	-	-	-	1367	-	-	-	-	-	-	279010
Heat plants	-	-	-	5	-	-	-	-	-	-	71583
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	7	-	-	-	-	-	-	51567
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	11551
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	7	-	-	-	-	-	-	6373
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	33643
Losses	-	-	-	39	-	-	-	-	-	-	48374
FINAL CONSUMPTION	-	360	-	961	-	-	-	-	-	-	800147
INDUSTRY	-	360	-	193	-	-	-	-	-	-	192124
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	360	-	193	-	-	-	-	-	-	192124
TRANSPORT	-	-	-	-	-	-	-	-	-	-	42223
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	1864
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	40359
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	768	-	-	-	-	-	-	526506
Residential	-	-	-	48	-	-	-	-	-	-	434876
Comm. and public services	-	-	-	-	-	-	-	-	-	-	86981
Agriculture/forestry	-	-	-	13	-	-	-	-	-	-	4649
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	707	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	39294
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	39294
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Uzbekistan

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	2538	-	-	-	79	15	895	102	38	875
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	23	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-18	-	-	-118
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	2538	-	-	23	79	15	877	102	38	757
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	2	-	-	-
TRANSFORMATION	2466	-	-	23	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	2466	-	-	23	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	5	-	-	-	79	-	-	-	-	-
Fuel mining and extraction	5	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	79	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	26	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	41	-	-	-	-	15	879	102	38	757
INDUSTRY	-	-	-	-	-	-	40	-	6	73
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	3	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	36	-	-	73
Textile and leather	-	-	-	-	-	-	-	-	6	-
Non-specified	-	-	-	-	-	-	1	-	-	-
TRANSPORT	-	-	-	-	-	6	816	102	-	225
Domestic aviation	-	-	-	-	-	-	-	102	-	-
Road	-	-	-	-	-	6	816	-	-	180
Rail	-	-	-	-	-	-	-	-	-	45
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	9	23	-	32	459
Residential	-	-	-	-	-	6	1	-	1	3
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	19	-	6	384
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	3	3	-	25	72
NON-ENERGY USE	41	-	-	-	-	-	-	-	-	-
in industry/transf./energy	41	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Uzbekistan

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	170	-	17	271	172	-	-	-	58319	119947
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	10839	-
Exports	-	-	-	-34	-	-	-	-	-12319	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	170	-	17	237	172	-	-	-	56839	119947
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	97	-	-	-	-	-	-	-	-	-
Electricity plants	19	-	-	-	-	-	-	-	-	-
CHP plants	26	-	-	-	-	-	-	-	-	-
Heat plants	52	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	3	-	-	-	-	-	-	-	4863	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	3	-	-	-	-	-	-	-	3234	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	1629	-
Losses	-	-	-	-	-	-	-	-	5002	-
FINAL CONSUMPTION	70	-	17	237	172	-	-	-	46974	119947
INDUSTRY	1	-	17	2	-	-	-	-	17989	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	1	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	2	-	-	-	-	-	-
Non-specified	-	-	17	-	-	-	-	-	17989	-
TRANSPORT	-	-	-	-	-	-	-	-	1546	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	187	-
Pipeline transport	-	-	-	-	-	-	-	-	989	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	370	-
OTHER	69	-	-	4	172	-	-	-	27439	119947
Residential	67	-	-	1	-	-	-	-	8509	-
Comm. and public services	-	-	-	-	-	-	-	-	3639	-
Agriculture/forestry	1	-	-	1	-	-	-	-	15291	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	1	-	-	2	172	-	-	-	-	119947
NON-ENERGY USE	-	-	-	231	-	-	-	-	-	-
in industry/transf./energy	-	-	-	186	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	45	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Venezuela

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	749	-	-	-	-	-	-	-	-	991136
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-580	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	169	-	-	-	-	-	-	-	-	991136
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-76713
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	326524
Electricity plants	-	-	-	-	-	-	-	-	-	-	326524
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	300189
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	300189
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	169	-	-	-	-	-	-	-	-	287710
INDUSTRY	-	169	-	-	-	-	-	-	-	-	239152
Iron and steel	-	-	-	-	-	-	-	-	-	-	83813
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	74014
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	11521
Non-metallic minerals	-	169	-	-	-	-	-	-	-	-	18143
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	51661
TRANSPORT	-	-	-	-	-	-	-	-	-	-	332
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	332
OTHER	-	-	-	-	-	-	-	-	-	-	48226
Residential	-	-	-	-	-	-	-	-	-	-	36296
Comm. and public services	-	-	-	-	-	-	-	-	-	-	11930
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Venezuela

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	125410	5995	-	-	1488	86	9565	1741	54	7878
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	1313
Exports	-89739	-	-	-	-	-	-664	-1274	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-66
Intl. aviation bunkers	-	-	-	-	-	-	-	-467	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	35671	5995	-	-	1488	86	8901	-	54	9125
Transfers	-	-2512	-	-	-	2512	-	-	-	-
Statistical differences	-	-	-	-	-	-	859	-	-	-
TRANSFORMATION	35671	3483	-	-	-	-	-	-	-	4634
Electricity plants	-	-	-	-	-	-	-	-	-	4634
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	35671	3483	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	1488	-	-	-	-	678
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	678
Oil refineries	-	-	-	-	1488	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	2598	9760	-	54	3813
INDUSTRY	-	-	-	-	-	1641	4	-	53	1341
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	1641	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	4	-	53	1341
TRANSPORT	-	-	-	-	-	-	9756	-	-	2458
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	9756	-	-	2458
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	957	-	-	1	14
Residential	-	-	-	-	-	711	-	-	1	-
Comm. and public services	-	-	-	-	-	246	-	-	-	14
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Venezuela

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	14448	-	1715	1224	30725	-	-	-	112577	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-12197	-	-1713	-203	-	-	-	-	-	-
Intl. marine bunkers	-630	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	40	-	-	-	-	-	-
DOMESTIC SUPPLY	1621	-	2	1061	30725	-	-	-	112577	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-138	-	-2	-	-1	-	-	-	-4821	-
TRANSFORMATION	560	-	-	-	170	-	-	-	-	-
Electricity plants	560	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	170	-	-	-	-	-
ENERGY IND. OWN USE	40	-	-	327	-	-	-	-	2526	-
Fuel mining and extraction	40	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	327	-	-	-	-	1426	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	1100	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	37343	-
FINAL CONSUMPTION	883	-	-	734	30554	-	-	-	67887	-
INDUSTRY	883	-	-	-	19698	-	-	-	28380	-
Iron and steel	-	-	-	-	-	-	-	-	1038	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	2780	-
Non-ferrous metals	-	-	-	-	-	-	-	-	7007	-
Non-metallic minerals	44	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	19698	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	839	-	-	-	-	-	-	-	17555	-
TRANSPORT	-	-	-	-	-	-	-	-	221	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	221	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	10856	-	-	-	39286	-
Residential	-	-	-	-	8832	-	-	-	21903	-
Comm. and public services	-	-	-	-	2024	-	-	-	16967	-
Agriculture/forestry	-	-	-	-	-	-	-	-	416	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	734	-	-	-	-	-	-
in industry/transf./energy	-	-	-	734	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	38527	-	-	-	-	-	-	-	-	441289
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	10778	2421	-	202	-	-	-	-	3	-
Exports	-	-1243	-	-	-183	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-675	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	47387	2421	-	19	-	-	-	-	3	441289
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	9
TRANSFORMATION	-	23571	-	-	-	-	-	-	-	-	366913
Electricity plants	-	23571	-	-	-	-	-	-	-	-	366913
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	23816	2421	-	19	-	-	-	-	3	74385
INDUSTRY	-	20981	2421	-	19	-	-	-	-	3	74385
Iron and steel	-	815	-	-	-	-	-	-	-	-	2991
Chemical and petrochemical	-	424	-	-	-	-	-	-	-	-	30433
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	10220	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	1389	-	-	-	-	-	-	-	-	3587
Paper, pulp and print	-	717	-	-	-	-	-	-	-	-	1653
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	3091	-	-	-	-	-	-	-	-	1231
Non-specified	-	4325	2421	-	19	-	-	-	-	3	34490
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	2835	-	-	-	-	-	-	-	-	-
Residential	-	2102	-	-	-	-	-	-	-	-	-
Comm. and public services	-	701	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	32	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Viet Nam

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	15200	817	-	-	-	861	2803	377	-	2855
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	435	-	-	-	-	1231	2488	1925	50	6714
Exports	-6848	-	-	-	-	-272	-605	-554	-	-1451
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-1397	-	-
Stock changes	-	-	-	-	-	-	127	-3	-	127
DOMESTIC SUPPLY	8787	817	-	-	-	1820	4813	348	50	8245
Transfers	-	-817	-	-	-	-	799	-	-	-
Statistical differences	-1057	-	-	-	-	11	-1	-	-	-
TRANSFORMATION	7730	-	-	-	-	-	-	-	-	157
Electricity plants	-	-	-	-	-	-	-	-	-	157
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	7730	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	1831	5611	348	50	8088
INDUSTRY	-	-	-	-	-	280	-	-	22	1306
Iron and steel	-	-	-	-	-	5	-	-	-	61
Chemical and petrochemical	-	-	-	-	-	4	-	-	2	72
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	30	-	-	2	67
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	14	-	-	2	78
Paper, pulp and print	-	-	-	-	-	8	-	-	2	38
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	21	-	-	2	87
Non-specified	-	-	-	-	-	198	-	-	12	903
TRANSPORT	-	-	-	-	-	-	5479	348	-	6027
Domestic aviation	-	-	-	-	-	-	-	348	-	-
Road	-	-	-	-	-	-	5479	-	-	6027
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	1551	132	-	28	755
Residential	-	-	-	-	-	999	-	-	20	14
Comm. and public services	-	-	-	-	-	552	-	-	8	405
Agriculture/forestry	-	-	-	-	-	-	132	-	-	336
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	138	-	-	-	656748	-	-	-	164832	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	883	-	-	3688	-	-	-	-	2733	-
Exports	-163	-	-	-	-	-	-	-	-744	-
Intl. marine bunkers	-207	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-4	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	647	-	-	3688	656748	-	-	-	166821	-
Transfers	-	-	-	18	-	-	-	-	-	-
Statistical differences	1	-	-	-	-33	-	-	-	13343	-
TRANSFORMATION	217	-	-	-	39547	-	-	-	-	-
Electricity plants	217	-	-	-	679	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	38868	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	4422	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	4422	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	17006	-
FINAL CONSUMPTION	431	-	-	3706	617168	-	-	-	158736	-
INDUSTRY	379	-	-	-	115367	-	-	-	85264	-
Iron and steel	14	-	-	-	-	-	-	-	6115	-
Chemical and petrochemical	15	-	-	-	-	-	-	-	5407	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	23	-	-	-	-	-	-	-	18079	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	183	-	-	-	-	-	-	-	9152	-
Paper, pulp and print	4	-	-	-	-	-	-	-	8197	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	7882	-
Non-specified	140	-	-	-	115367	-	-	-	30432	-
TRANSPORT	52	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	52	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	501801	-	-	-	73472	-
Residential	-	-	-	-	501669	-	-	-	55736	-
Comm. and public services	-	-	-	-	132	-	-	-	15161	-
Agriculture/forestry	-	-	-	-	-	-	-	-	2575	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	3706	-	-	-	-	-	-
in industry/transf./energy	-	-	-	3706	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	20045
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	121	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	121	-	-	-	-	-	-	-	-	20045
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	20045
Electricity plants	-	-	-	-	-	-	-	-	-	-	20045
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	121	-	-	-	-	-	-	-	-	-
INDUSTRY	-	121	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	121	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Yemen

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	867	66	-	-	-	61	76	26	86	189
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	653	-	-	514
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-48
Intl. aviation bunkers	-	-	-	-	-	-	-	-6	-	-
Stock changes	-	-	-	-	-	-	-	-20	-	-
DOMESTIC SUPPLY	867	66	-	-	-	61	729	-	86	655
Transfers	-	-66	-	-	-	514	-	-	-	-
Statistical differences	-	-	-	-	-	-23	-	-	-	-
TRANSFORMATION	842	-	-	-	-	-	-	-	-	340
Electricity plants	-	-	-	-	-	-	-	-	-	340
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	842	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	25	-	-	-	-	-	-	-	-	2
Fuel mining and extraction	25	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	2
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	552	729	-	86	313
INDUSTRY	-	-	-	-	-	-	-	-	-	94
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	94
TRANSPORT	-	-	-	-	-	29	729	-	-	126
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	29	729	-	-	126
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	523	-	-	86	93
Residential	-	-	-	-	-	474	-	-	86	32
Comm. and public services	-	-	-	-	-	49	-	-	-	22
Agriculture/forestry	-	-	-	-	-	-	-	-	-	39
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	151	174	-	6	4999	-	-	-	5045	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	348	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-2	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-174	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	497	-	-	6	4999	-	-	-	5045	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	767	-
TRANSFORMATION	349	-	-	-	2504	-	-	-	-	-
Electricity plants	349	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	2504	-	-	-	-	-
ENERGY IND. OWN USE	14	-	-	-	-	-	-	-	675	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	14	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	675	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1103	-
FINAL CONSUMPTION	134	-	-	6	2495	-	-	-	4034	-
INDUSTRY	134	-	-	-	-	-	-	-	90	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	134	-	-	-	-	-	-	-	90	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	2495	-	-	-	3944	-
Residential	-	-	-	-	-	-	-	-	3226	-
Comm. and public services	-	-	-	-	-	-	-	-	421	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	2495	-	-	-	297	-
NON-ENERGY USE	-	-	-	6	-	-	-	-	-	-
in industry/transf./energy	-	-	-	6	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	328	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	328	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	159	-	-	-	-	-	-	-	-	-
Electricity plants	-	159	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	169	-	-	-	-	-	-	-	-	-
INDUSTRY	-	169	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	169	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	10	7	66	24	24	253
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	484	-	-	-	-	-	250	14	-	231
Exports	-	-	-	-	-	-2	-	-	-8	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-38	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	484	-	-	-	10	5	316	-	16	484
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	484	-	-	-	-	-	-	-	-	10
Electricity plants	-	-	-	-	-	-	-	-	-	10
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	484	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	10	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	10	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	5	316	-	16	474
INDUSTRY	-	-	-	-	-	-	2	-	-	327
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	2	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	264
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	52
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	11
TRANSPORT	-	-	-	-	-	-	306	-	-	85
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	306	-	-	70
Rail	-	-	-	-	-	-	-	-	-	15
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	5	8	-	16	62
Residential	-	-	-	-	-	4	-	-	-	-
Comm. and public services	-	-	-	-	-	-	8	-	16	3
Agriculture/forestry	-	-	-	-	-	-	-	-	-	30
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	1	-	-	-	29
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	61	-	-	10	369508	-	-	-	11695	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	37	-	-	63	-	-	-	-	2185	-
Exports	-	-	-	-	-	-	-	-	-794	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	98	-	-	73	369508	-	-	-	13086	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	68	-	-	-	81466	-	-	-	-	-
Electricity plants	68	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	81466	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	325	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	325	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1903	-
FINAL CONSUMPTION	30	-	-	73	288042	-	-	-	10858	-
INDUSTRY	30	-	-	-	68934	-	-	-	6455	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	21	-	-	-	-	-	-	-	5918	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	98	-	-	-	60	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	7	-
Textile and leather	-	-	-	-	2673	-	-	-	-	-
Non-specified	9	-	-	-	66164	-	-	-	470	-
TRANSPORT	-	-	-	-	-	-	-	-	28	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	28	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	219108	-	-	-	4375	-
Residential	-	-	-	-	219108	-	-	-	3383	-
Comm. and public services	-	-	-	-	-	-	-	-	684	-
Agriculture/forestry	-	-	-	-	-	-	-	-	228	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	80	-
NON-ENERGY USE	-	-	-	73	-	-	-	-	-	-
in industry/transf./energy	-	-	-	73	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Zimbabwe

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	451	1185	-	-	332	-	-	1447	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	24	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-211	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	1427	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	451	2636	-	-	121	-	-	1447	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-13	-	-	-	-	-	-	-	-	-
TRANSFORMATION	451	2367	-	-	-	-	-	-	-	-	-
Electricity plants	-	2367	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	451	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	29	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	29	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	256	-	-	92	-	-	1447	-	-	-
INDUSTRY	-	240	-	-	92	-	-	1447	-	-	-
Iron and steel	-	1	-	-	55	-	-	1447	-	-	-
Chemical and petrochemical	-	2	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	82	-	-	-	-	-	-	-	-	-
Transport equipment	-	1	-	-	-	-	-	-	-	-	-
Machinery	-	2	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	2	-	-	-	-	-	-	-	-	-
Food and tobacco	-	99	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	17	-	-	-	-	-	-	-	-	-
Wood and wood products	-	31	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	3	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	37	-	-	-	-	-	-
TRANSPORT	-	5	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	5	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	11	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	3	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	8	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

Zimbabwe

2016

SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	25	328	43	59	619
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-43	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	25	328	-	59	619
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-7	-	-	-5
TRANSFORMATION	-	-	-	-	-	-	-	-	-	13
Electricity plants	-	-	-	-	-	-	-	-	-	13
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	13
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	13
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	25	321	-	59	588
INDUSTRY	-	-	-	-	-	-	10	-	3	31
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	1	-	-	1
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	1	-	-	5
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	1	-	-	1
Mining and quarrying	-	-	-	-	-	-	3	-	-	13
Food and tobacco	-	-	-	-	-	-	1	-	-	5
Paper, pulp and print	-	-	-	-	-	-	1	-	-	1
Wood and wood products	-	-	-	-	-	-	-	-	-	1
Construction	-	-	-	-	-	-	1	-	-	3
Textile and leather	-	-	-	-	-	-	-	-	-	1
Non-specified	-	-	-	-	-	-	1	-	3	-
TRANSPORT	-	-	-	-	-	-	300	-	-	375
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	300	-	-	343
Rail	-	-	-	-	-	-	-	-	-	32
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	25	11	-	56	182
Residential	-	-	-	-	-	25	-	-	52	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	11	-	1	93
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	3	89
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Zimbabwe

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	324163	44	-	-	7055	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	21	-	-	-	-	2220	-
Exports	-	-	-	-	-	-	-	-	-369	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	21	324163	44	-	-	8906	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	5	-	-	-	-	72	-
TRANSFORMATION	-	-	-	-	2466	-	-	-	-	-
Electricity plants	-	-	-	-	1738	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	728	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	163	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	163	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	1533	-
FINAL CONSUMPTION	-	-	-	26	321697	44	-	-	7282	-
INDUSTRY	-	-	-	5	5973	-	-	-	2645	-
Iron and steel	-	-	-	2	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	1	-	-	-	-	1462	-
Food and tobacco	-	-	-	1	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	1	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	5973	-	-	-	1183	-
TRANSPORT	-	-	-	-	-	44	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	44	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	315724	-	-	-	4637	-
Residential	-	-	-	-	299299	-	-	-	2731	-
Comm. and public services	-	-	-	-	-	-	-	-	1356	-
Agriculture/forestry	-	-	-	-	16425	-	-	-	490	-
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	60	-
NON-ENERGY USE	-	-	-	21	-	-	-	-	-	-
in industry/transf./energy	-	-	-	21	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

COUNTRY NOTES AND SOURCES

OECD COUNTRIES

General notes

The notes given in this document refer to data for the years 1960 to 2017 published in the book, as well as on CD-ROM and in the on-line data service. In general, more detailed notes are available for data starting in 1990.

Data are obtained through annual submission of five fuel questionnaires from national administrations, as indicated for each country in the section on sources.

In some instances it has been necessary for the IEA Secretariat to estimate some data; explanations of the estimates are provided in the country notes. For more information on fuel-specific methodologies, please refer to the various IEA information books. Energy data reported for 2017 (shown as 2017p) in the final release are provisional supply data based on submissions received in early 2018 and on monthly submissions to the IEA from member countries.

This section lists a few specific notes that apply to all countries, and it is followed by a time series of comprehensive country-specific notes by fuel and flow.

Prior to 1974, most fuel inputs and electricity and heat outputs for autoproducers are included in main activity producers. The figures for the quantities of fuels used for the generation of electricity and heat and the corresponding outputs in CHP and heat plants should be used with caution. Despite estimates introduced by the IEA Secretariat, inputs and outputs are not always consistent. Please refer to notes below under *Electricity and heat*.

Data for anthracite, coking coal, other bituminous coal, sub-bituminous coal and lignite are available separately from 1978. Prior to 1978, only data for hard coal and brown coal (lignite/sub-bituminous coal) are available.

In 1996, the IEA Secretariat extensively revised data on coal and coke use in blast furnaces, and in the iron and steel industry (for those countries with blast furnaces), based on data provided to the OECD Steel Committee and other sources. The quantities of fuels transformed into blast furnace gas have been estimated by the IEA Secretariat based on its blast furnace model.

For biofuels and waste (i.e. solid biofuels, biogases, liquid biofuels, industrial waste and municipal waste), there may be breaks in time series between 1988 and 1989, as in 1997 the IEA Secretariat extensively revised these data based on data from Eurostat (for the EU-15 member countries) and on other national sources for other OECD member countries, and data from Eurostat were generally available from 1989. Generally, data on biofuels and waste are reported in non-specified prior to 1989.

Australia

Source

Department of Environment and Energy, Canberra.

General notes

All data refer to the fiscal year (e.g. July 2015 to June 2016 for 2016).

Starting with the 2013 edition and following, data for Australia were revised back to 2003 due to the adoption of the National Greenhouse and Energy Reporting (NGER) as the main energy consumption data source for the Australian Energy Statistics. As a result, there are breaks in the time series for many data between 2002 and 2003. The revisions have also introduced some methodological issues, including identifying inputs and outputs to certain transformation processes such as gas works plants, electricity plants and CHP plants. Energy industry own use and inputs to the

transformation processes are sometimes not reported separately in the correct categories. More detail is given in the notes below.

Coal

General notes

- In the 2017 edition, the Australian administration revised data on **coal tar** back to 2010 resulting in breaks in time series between 2009 and 2010.
- In the 2016 edition, extensive revisions were made to 2010 to 2013 data for many primary and manufactured products causing breaks in production, trade and consumption between 2009 and 2010. Time series which begin in 2010 may be reported in other flows until 2009. 2014 data were reported on the same basis as 2010 to 2013.
- In the 2015 edition, increases of production and consumption of **other bituminous coal** for 2013 are due to both new mine capacity and improved classification data. In the 2016 edition, these revisions were extended back to 2010. Apparent switching between **sub-bituminous coal** and **other bituminous coal** between 2009 and 2010 suggests that some **other bituminous coal** was reported as **sub-bituminous coal** prior to this, across several flows.
- In the 2013 edition, production data for all **manufactured gases** were revised downwards as part of the new national methodology, leading to significant statistical differences.
- Reclassification of some **coal** types in the 2013 edition were calculated on an energy basis and resulted in a net increase of quantities of primary coal from 2003 to 2011.
- Breaks in the time series for **gas works gas** between 2008 and 2009 are due to a change of survey, while reduced production and consumption between 2006 and 2008 are due to the removal of some **natural gas** inputs.
- Data on **blast furnace gas** for electricity production by autoproducers begins in 1986.
- **Hard coal** data prior to 1978 may include **sub-bituminous coal**.

Supply

- The decrease of lignite production and consumption in 2017 was due to the closure of brown coal fired Hazelwood power plant in early 2017, contributing to a higher consumption of other bituminous coal.

- Only **anthracite** exports are reported separately; the remainder that is consumed domestically is included with **other bituminous coal**.
- Export trade in **coke oven coke** between 2005 and 2011 exists, but data are unavailable for reasons of confidentiality.

Transformation

- In 2015, a new plant within the mining sector started its operations increasing the consumption of **coke oven coke**.
- The one company producing **BKB** closed its operation during 2015. As such, production and consumption declined significantly.
- For 2003 to 2012, **coke oven gas** reported as energy industry own-use in electricity or CHP plants is used for generation purposes, while **natural gas** used for own-use plant support is reported in the transformation sector.
- **Natural gas** consumed to fuel the distribution of **natural gas** in natural gas networks is reported as transformation for **gas works gas** production until 2005.
- The drop in **BKB** production in 2004 was due to a fire in the main production plant.

Consumption

- In the 2016 edition, revisions for 2010 onwards have increased the quantities of **sub-bituminous coal** and decreased the quantities of **other bituminous coal** being used in the non-metallic minerals industry as more accurate information has become available.
- Consumption in wood and wood products is included in paper, pulp and print from 2001 onwards.

Oil

General notes

- In 2017, the Australian administration added new companies to their reporting. This primarily impacts the stocks of **motor gasoline** and **gas/diesel oil**.
- Between 2009 and 2010 some breaks in time series may occur due to changes in methodologies and to improved data sources, with major revisions explained below.
- **Other hydrocarbons** reported under *from other sources natural gas* correspond to hydrogen used

in refineries, also represented as the output of *non-specified transformation* in the balances format.

- An in-depth review of Australian oil statistics, in particular investigation of amounts currently reported under recycled products as well as statistical differences for **motor gasoline** and **bitumen**, is on-going and may result in further improvements in the next editions.

Supply

- **Crude oil** production and imports continued to decline in 2016 following the closure of domestic refining capacity in New South Wales (Kurnell Refinery) and Queensland (Bulwer Island Refinery). Refinery outputs also fell as a result. These two sites have been converted to import terminals helping Australia expanding its import capacity. As a result refined products imports increased considerably in 2016.
- From 2010 **crude oil** production estimates for selected companies have been replaced by actual data.
- Imports of **fuel oil** have been estimated by the Australian administration.
- In the 2015 data, **fuel oil** imports dropped significantly due to the closure of the two large consumers of this product, the Gove alumina refinery and the Point Henry aluminium smelter.
- There is a break in the time series for **crude oil** and **NGL** between 2001 and 2002.
- The drop in the production of **crude oil** in 1999 is due to a gas explosion at the Longford plant.
- Prior to 1992, part of the **NGL** production is included in **crude oil**.

Transformation

- As a result of a new methodology adopted to split **gas/diesel oil** inputs between main activity and autoproducer plants, breaks in series appear between 2009 and 2010.

Consumption

- Breaks in the time series appear between 2009 and 2010 in transport consumption due to a change in methodology.

Natural gas

General notes

- In the 2016 edition, the Australian administration revised natural gas demand data for some flows

back to 2010, resulting in breaks in time series between 2009 and 2010.

- In 2015, the Australian administration revised production and certain consumption data back to 2006. The production figures now include previously uncaptured flows.
- Prior to 1991 natural gas data include ethane.

Supply

- For 2017, there is a significant increase in production (+21%) and exports (+35%) of gas, due to the LNG exporting capacity coming online in 2016 and 2017.
- Around 30% of the production (mainly coal seam gas) is estimated by the Australian administration.

Transformation

- *Non-specified transformation* of natural gas represents amounts used to produce hydrogen for hydrodesulphurization in refineries.
- Until 2005, natural gas consumed to fuel the distribution of natural gas in natural gas networks was reported as transformation for gas works gas production.

Consumption

- Consumption in the residential and agriculture sectors is estimated by the Australian administration based on models.
- Between 2009 and 2010 some breaks in time series may occur due to changes in methodologies and to improved data sources. Revisions to the consumption data include changes to energy use in liquefaction plants, and a shift of gas works gas (transformation) to non-specified energy from 2006 onwards. Revisions to previous years are pending.
- Between 2001 and 2002 there are breaks in time series for consumption data due to an industry structural shift and changes in methodology.
- Data for 1999 and 2000 end-use consumption are estimated by the Australian administration.

Biofuels and waste

General notes

- In the 2018 edition, **biogases** were revised downward by the Australian administration back to 2015 as a result of the removal on 1 July 2015 of a production subsidy for domestic ethanol. The subsidy was equal to the excise rate on unleaded petrol.

- Increases in production of **solid biofuels** since 2014 are related to incentives under the Renewable Energy Target legislation, which went into effect in 2001 and aims to increase the share of electricity generation from renewable sources. More information is available here: <http://www.cleanenergyregulator.gov.au/RET>.
- The data for **biogasoline** and **biodiesel** are not available before 2003 and 2004 respectively.
- From 1996, a different industry consumption breakdown for biofuels and waste is available and leads to breaks in time series.

Supply

- **Biogas** production data at sewage treatment works are not available.
- Indigenous production of **biodiesel** has decreased substantially in 2016 because one of the major **bio-diesel** producers ceased production in January 2016. The trend continues in 2017, when, according to Bioenergy Australia, low oil prices and higher feedstock prices created a difficult market for the remaining **biodiesel** producers.
- Production of **biogasoline (ethanol)** decreased since the Ethanol Production Grants Programme ended on 30 June 2015. On 1 July 2015, the fuel excise on domestically produced ethanol was reduced to zero and will be increased by 2.5 cents per litre until it reaches 12.5 cents per litre. Additionally, 2017 quantities were also affected by low oil prices.

Consumption

- In the 2018 edition, **solid biofuels** were revised back to 2010 by the Australian administration, expanding the scope from the revisions in the 2016 and 2017 editions to indigenous production and consumption sectors which weren't previously revised. This results in a break in time series between 2009 and 2010.
- In the 2017 edition of this publication, there has been a revision to the time series of **solid biofuels** consumption in "Paper, pulp and printing" sector. This time series has been revised back to 2010 resulting in break in time series between 2009 and 2010.
- In the 2016 edition of this publication, the Australian administration revised **primary solid biofuels** back to 2010 which impact mostly final consumption in Food and Tobacco. This created breaks in time series.

- The consumption data of **biogases** in industry is not available before 2003.

Electricity and heat

General notes

- In the 2016 edition, several combustible fuel electricity production time series as well as some electricity consumption time series were revised by the Australian administration back to 2010 in order to limit the use of estimated data and are causing some breaks.
- From 1992 onwards, heat data are not available.

Supply

- Data for production of electricity from **wind** are available from 1994.
- Data for electricity production from **solar photovoltaic** start in 1992 and from **solar thermal** in 2003.

Transformation

- Fuels used for generation by autoproducers represent single fuel-fired units only. The use of fuel in multi-fired units operated by autoproducers is included in industry consumption.
- In the 2018 edition, new methodologies were introduced by the Australian administration for reporting electricity production from solar sources. First, the methodology for reporting electricity production from **solar PV** and **solar thermal** was changed between 2009 and 2010, resulting in a break in time series. Prior to 2010, the ratio of electricity production from **solar thermal** to total solar was assumed to be the same each year. After 2010, **solar PV** autoproducer electricity production is the residual after the main activity **solar PV** and **solar thermal** are deducted from total solar production. There is an additional break in time series between 2013 and 2014 for **solar** production when a new methodology for determining large-scale **solar PV** production was introduced for main activity **solar PV** plants.
- In the 2017 edition, following an extended review of past data, the Australian administration revised electricity outputs of **blast furnace gas** autoproducer electricity plants for the period 2003-2004 and of autoproducer CHP plants fuelled by **other oil products** for 2009, resulting in more realistic efficiency rates for these plants.
- In 2002, the Australian administration started to use a new survey methodology and reclassified the

types of plants between main activity producers and autoproducers.

- Prior to 1995, electricity production from **biogases** is included in natural gas.
- Prior to 1986, inputs and outputs from autoproducer CHP plants are not available.

Consumption

- The opening of large-scale production at Australia's new east coast LNG plants led to significant growth in **electricity** consumption in the oil and gas sector in 2016.
- Prior to 2006, **electricity** consumption in mining and quarrying includes consumption in liquefaction/regasification plants.
- From 1990 to 2008, **electricity** consumption in wood and wood products is included together with paper, pulp and printing.
- The direct use of **solar heat** (mostly domestic solar panels) is available from 1974.
- **Electricity** consumption in coke ovens has been estimated by the Australian administration from 1974 to 1999.
- Prior to 1974, the breakdown of **electricity** consumption in industry and energy sub-sectors is not available and energy industry consumption is included in industry.
- **Electricity** consumption in the *non-specified transport* sector represents support services for transport for mining operations.
- Prior to 1971 **electricity** consumption in the commercial and public services sector is included in industry.
- Reported **electricity** consumption in the oil and gas extraction section may include some consumption in LNG/regasification plants.

Austria

Source

Bundesanstalt Statistik Österreich, Vienna.

General notes

- Starting with the 2016 edition and following, widespread data revisions were received due to enhanced reporting from 2005 onwards as a consequence of improved Austrian Final Energy

Consumption surveys. For some time series, these revisions were extrapolated back to 1990. As a consequence, there may be breaks between 2004 and 2005, and 1989 and 1990.

Coal

General notes

- In the 2017 edition, revisions concerning the iron and steel industry were received for data since 2005. The revisions impacted the energy sector for **coke oven gas** and **blast furnace gas**.
- In the 2016 edition, revisions concerning the iron and steel industry were received for data since 1990. The following flows were impacted by these revisions: inputs to blast furnaces, the breakdown between transformation and own-use energy support, and calorific values.
- The last **lignite** mine closed in the second quarter of 2004 and **lignite** use for power generation ceased in 2006.
- Since 1996, **gas works gas** data are reported with **natural gas** because it is distributed in the same network. The amount of **gas works gas** is negligible and it is mostly consumed by households.
- "Trockenkohle" is included with **BKB** because of its high calorific value.
- LD gas, which should normally be reported as **other recovered gases**, is reported with **blast furnace gas**.

Oil

Supply

- Exports of **naphtha** are no longer reported from 2014, past values may refer to exports of petrochemical raw material.
- Deliveries of **gas/diesel** to international marine bunkers were revised back to 1990 after implementation of a new study results.
- Prior to 1990, a portion of **naphtha** is included with **other oil products**.

Natural gas

Supply

- Export amounts are calculated by the national administration by subtracting stock changes and domestic consumption from import figures.

Transformation

- In the 2018 edition, the time series for Blast Furnaces was reclassified from 1990 onwards, and thus moved from the Transformation to the Energy sector. This has resulted in increasing the efficiency of the Blast Furnaces process.
- Between 1995 and 1996 there is a break in time series for autoproducer electricity and CHP plants due to the availability of more detailed data.

Consumption

- In the 2018 edition, the Austrian administration revised consumption data in 2014 and 2015 to include information from new surveys on energy consumption in small and medium sized industries.
- There are inconsistencies in the time series for commercial/public services as this sub-sector is computed as a residual.
- The increase in pipeline transport consumption for 2013 is due to a new methodology of data collection. Historical revisions are pending. Prior to 2000, differences due to measurement are included with distribution losses.

Biofuels and waste

General notes

- Data for 1986 to 1989 for **solid biofuels**, **industrial waste**, **biogases** and **liquid biofuels** are IEA Secretariat estimates based on information published by OSTAT in *Energieversorgung Österreichs Endgültige Energiebilanz*.

Consumption

- In the 2016 edition, improvement in the iron and steel industry data have allowed more precision in the consumption, among other for **industrial waste** in blast furnaces.
- In the 2016 edition, the consumption of **solid biofuels** in the residential sector was revised down from 2005 data.

Electricity and heat

Supply

- Amounts for both net electricity production and plant own use are calculated by the Austrian administration by applying a fixed percentage multiplier to the gross production of all plants in the public grid, regardless of plant type or fuel.

Transformation

- Electricity plants data may include some CHP plants operating in **electricity** only mode.
- Fluctuating efficiencies from year to year for **solid biofuel** and **industrial waste** plants are related to operational decisions which are governed by a formula described in the *Standard documentation Meta information on Energy balances for Austria and the Laender of Austria* published in June 2016 on the Statistics Austria website.
- In the 2018 edition, electricity production from **municipal waste** main activity electricity plants was revised from 2003-2009. Additionally, electricity production from **municipal waste** main activity CHP plants was revised in 2014.
- A large autoproducer electricity plant was reclassified as an autoproducer CHP plant and therefore creates a break in time series for **municipal waste** in 2011.
- In 2009, inputs of **other oil products** to autoproducer CHP plants were reclassified as **refinery gas** and **natural gas**.
- Due to a change in the survey methodology, the **heat** produced in small plants (capacity inferior to 1 MW) is not reported starting in 2002.
- **Heat from chemical processes** used for **electricity** production is available from 2004.
- Electricity generation from **geothermal** started in 2002.
- Prior to 2002, data for **biogases** only include plants of 1 MW or larger.
- Prior to 1981, inputs to main activity producer electricity plants include inputs to CHP plants. All electricity production by CHP plants is included in electricity plants, and only production from combustible fuel sources is taken into account. Autoproducer CHP heat production is included in main activity producer CHP plants. For heat, own use is included in distribution losses.

Consumption

- **Electricity** consumption in oil refineries includes consumption in gas works plants prior to 1991.
- From 1990 to 2009, small amounts of **electricity** used in heat pumps have been included in the residential sector.
- Starting in 1990, consumption of **electricity** in the field of electricity supply, district heating and water supply are included in *other energy industry own*

use, prior to that it was included in commercial/public services.

- Also prior to 1991, **electricity** consumption in the iron and steel industry includes consumption in coke ovens and blast furnaces.

Belgium

Source

Observatoire de l'Energie, Brussels.

Coal

General notes

- In the 2016 edition, improved data collection has led to some breaks in time series. These revisions include **hard coal** classifications, products and processes in integrated iron and steel manufacture and may be extended further back in future editions.
- Data for **anthracite** prior to 2014 may include a small portion of **other bituminous coal**.
- **Hard coal** data prior to 1978 may include **sub-bituminous coal**.
- **Other bituminous coal** and **sub-bituminous coal** data reported in *from other sources* refer to coal recuperated from coal dumps.

Supply

- Supply-side data are obtained through surveying questionnaires instead of customs data.
- Conventional production of **other bituminous coal** ceased on 31 August 1992.

Transformation

- In 2016, the decrease of **other bituminous coal** inputs to main activity producer electricity plants was due to the permanent closure of Langerlo, Belgium's last coal-fired main activity electricity.
- In 2015, the decrease of **coke oven gas** inputs to autoproducer CHP plants is due to a power plant closure in 2015.
- In 2014 and 2015, **coking coal** inputs to coke ovens decreased due to a coke oven closure in June 2014.
- In 2014, the decrease of **other bituminous coal** inputs to main activity producer electricity plants is due to a power plant closure in 2014.

Consumption

- In the 2018 edition, industrial consumption for the period 2013 through 2015 was revised for **coking coal** and **anthracite**, as more accurate consumption data became available. Data for **coking coal** prior to 2013 may include a small portion of **anthracite**.
- The decrease of **other bituminous coal** and **coke oven coke** in the iron and steel industry in 2002 is due to the closure of several plants.
- The use of **coke oven gas** in chemical and petrochemical activities ceased in 1996.

Oil

General notes

- Between 2008 and 2009 breaks in series occur for **naphtha** and **LPG** in both transformation and final consumption in the petrochemical sector as a result of methodological improvements made by the Belgian administration.
- Data on biofuels are not available before 2009.

Supply

- Consumption in international marine bunkers dipped in 2014 and 2015 due to the closure of several bunkering companies. During 2015 these were replaced by new companies which became fully operational in 2016.
- Starting from 2013, a new data source was introduced for petroleum coke trade.

Transformation

- In 2002, patent fuel plants used fuel oil to increase the calorific value of patent fuel.

Consumption

- The decrease of fuel oil in industry consumption since 1993 is due to the introduction of an excise tax as well as increased use of natural gas.

Natural gas

Supply

- Since 2009 gas trade in Belgium includes imported LNG which is regasified and subsequently exported to other countries.

Transformation

- The Belgian administration is in the process of revising 2010 and 2011 transformation sector data. As

such, an unusually high quantity of natural gas is reported under not elsewhere specified (transformation).

- Between 2008 and 2009, there is a break in efficiency of **natural gas** autoproducer CHP plants due to a change in methodology regarding the reporting of unsold heat.

Consumption

- Consumption in the transport equipment sector decreased in 2015 due to the closure of a large industry of this sector in December 2014.
- In 2003, the large decrease in *non-specified industry* consumption is due to improvements in data collection.
- Since 2000, natural gas began to replace blast furnace gas in the iron and steel industry.

Biofuels and waste

General notes

- Renewable **municipal waste** includes a share of renewable **industrial waste**.
- Data for **biodiesels** and **biogasoline** are available starting in 2009.

Supply

- Data on pure **biogasoline** and **biodiesels** trade are not available for 2009 and 2010.

Transformation

- In 2015, part of the law regulating the blending of biodiesel with diesel was temporarily suspended but in 2016, this law was reinstated.

Consumption

- Consumption of **bioethanol** increased in 2017 due to legislation coming into effect on 1 January 2017, which increased the blending obligation for gasoline products.
- **Industrial waste** consumption in the chemical sector started in 2013.
- **Other liquid biofuels** consumed in power plants reported before 2011 can include **biodiesel**.
- New data on consumption cause breaks in time series for **primary solid biofuels** between 2011 and 2012.

Electricity and heat

Supply

- The electricity production under **other sources** represents mainly production at a gas expansion

station with heat recovery and at a hydraulic turbine in a waste water treatment plant.

- From 2013 onwards, reported **heat** distribution losses decreased due to a more precise estimation method.
- The production of electricity from **wind** is available from 1987.

Transformation

- Langerlo, Belgium's last coal-fired main activity electricity producer closed permanently in March 2016.
- Heat production from chemical processes used for electricity production is available from 2005.
- In 2012, heat production from chemical sources has been estimated by the IEA Secretariat.
- Prior to 2009 some unsold heat was reported in natural gas autoproducer CHP plants, together with the associated natural gas input. This causes the drop in efficiency in 2009.
- In 2007 data, no information was available on heat production in main activity CHP plants for **industrial waste**.
- In 2003, combustion of **municipal waste** for electricity and heat generation purposes increased significantly. However, because a large portion of the heat produced is not used (sold), plant efficiencies dropped significantly between 2002 and 2003.
- In 2000, most autoproducer electricity plants using **combustible fuels** were reclassified as autoproducer CHP plants; the heat production from these plants was used for internal industrial processes and not sold to third parties until 2005.
- For 1998 and 1999, **electricity** production at main activity producer CHP plants with annual heat output below 0.5 TJ is reported with main activity producer electricity only plants.
- Prior to 1982, **electricity** production in main activity producer CHP plants is included in production from electricity plants. Also, inputs of fuels for electricity generation in main activity producer electricity plants include inputs for heat production in CHP plants.

Consumption

- For 2012, **electricity** consumption in the mining and quarrying sector has been estimated by the IEA Secretariat.
- For 2012, oil refineries **electricity** consumption has been estimated by the IEA Secretariat based on refinery activity data. Part of the estimated amount

has been removed from consumption in the chemical and petrochemical sector.

- Breaks in time series may exist between 2007 and 2008 due to revisions of the Classification of the Economic Activities in the European Community (NACE) classifications.
- There is no **heat** consumption starting in 2007 in the iron and steel industry because the installation concerned became an autoproducer in July 2006 and the heat is no longer sold.

Canada

Source

Natural Resources Canada, Ottawa.

General notes

- In the 2018 edition, data for Canada were revised back to 2005 following a ten year revision of the Report on Energy Supply and Demand (RES-D), the main set of Canadian annual data. The revision standardizes the methodology used for the IEA data submission and has mainly affected the demand side. Additional details are given under each fuel.
- From the 2014 edition, the Canadian administration revised time series back to 2005, using additional data from the Annual Industrial Consumption of Energy, the Annual Survey of Secondary Distributors, the Report on Energy Supply and Demand and the Natural Resources Canada Office of Energy Efficiency. Breaks in time series also between appear 1989 and 1990, due to changes in methodology, incorporated in 2002.

Coal

General notes

- Due to the extensive revisions of the Report on Energy Supply and Demand (RES-D), significant statistical differences can be observed for several coal products for the period 2005-2015. This issue is under investigation and further improvements are expected in future editions.
- In the 2016 and 2017 edition, extensive revisions for the period 2005 to 2015 were received as more data became available due to improvements in data collection.
- In the 2014 and 2015 editions, some revisions to the 2004 to 2006 data were received in addition to some time series and products for 2007 to 2011.

- Due to a Canadian confidentiality law, it is not possible for the Canadian administration to submit disaggregated time series for all of the **coal** types. Between 2002 and 2006, the IEA Secretariat has estimated some of the missing time series. The data for 2007 onwards are given directly as reported, however data may be present in non-representative products, and additionally these ad hoc reclassification methodologies contribute significantly to larger than normal statistical differences across products.
- At this point in time, **oil shale and oil sands** data are not submitted, and this energy source is deemed to enter the supply stream as shale oil (**other hydrocarbons**).

Supply

- Due to confidentiality constraints, from 2014 the breakdown of production by type of coal is estimated by the Canadian administration, while stock changes and statistical differences are estimated since 2001.

Transformation

- Injection of pulverized coal into blast furnaces (**PCI**) occurs, but is not available for confidentiality reasons. Coals consumed in this manner are reported in the iron and steel industry along with other consumption.
- Before 1978, **lignite** inputs to main activity producer heat plants are included in final consumption. Starting in 1979, these inputs are included in main activity producer electricity plants.

Consumption

- Since 2001, consumption of **anthracite** in non-energy use is estimated by the Canadian administration. Statistical differences include consumption in iron and steel.
- Due to the unavailability of data, non-energy use of **coke oven coke** and **hard coal** is included with final consumption sectors prior to 1978 and 1980, respectively.

Oil

General notes

- The 2018 edition includes numerous time series revisions for the years 2005-2016. This is due to the 10 year revision of the Report on Energy Supply and Demand, which is the main set of

Canadian annual data. The majority of these revisions were applied to the demand side.

- In the 2016 edition, the Canadian administration was able to reconcile some historical inconsistencies by reporting inputs and outputs to upgraders. In the supply side, these quantities are reported under **Other Hydrocarbons**. In the demand side, they are reported under the respective output products (**Refinery Gas, Road Diesel, and Petroleum Coke**).
- Time series for **other non-specified oil products** may fluctuate as they have been computed as residuals.

Supply

- In the 2018 edition the domestic supply of crude oil was revised due overall revisions to the Report on Energy Supply and Demand and the inclusion of additional data sources in the reporting.
- From 2014 data the Canadian administration started using customs based trade data to report crude oil imports. In the 2017 edition, **crude oil** imports data have been revised back to 2005 following this methodology. Some revisions to imports of secondary products have already been made and further revisions are expected.
- Condensates and pentanes plus are included in **crude oil** from 2005, in **NGL** 1990 to 2004 and in **LPG** prior to 1990. Historical revisions are pending.
- From 2005 primary oil products include direct imports of condensates by crude oil producers.
- Production of **other hydrocarbons** represents synthetic crude oil produced from tar sands.
- From 2005, **other hydrocarbons** from other sources natural gas corresponds to natural gas used for the upgrading of synthetic crude oil (reported under GTL transformation in the natural gas consumption data) and natural gas used to upgrade petroleum products (reported under non-specified transformation in the natural gas consumption data). From 1990 to 2005, these quantities are reported in indigenous production of **other hydrocarbons**. Prior to 1990, they are included in the natural gas supply.
- Imports of **other hydrocarbons** from 1994 to 2000 correspond to orimulsion imports from Venezuela.
- Refinery output from **gas/diesel oil and petroleum coke** includes output from oil sands and upgraders.

- The Canadian administration is currently unable to provide a figure for the domestic production of additives, but is working on solutions which will make this possible. Meanwhile, significant statistical differences can be observed for several secondary oil products.

Consumption

- Due to confidentiality issues, consumption data for selected products and flows, such as fuel oil and gas/diesel consumption in iron and steel from 2009, are not available. For the same reason, selected products may include estimates provided by the Canadian administration, such as Fuel Oil and Bitumen data for 2014.
- International marine bunkers are included with inland waterways prior to 1978.

Natural gas

General notes

- The 2018 edition includes numerous time series revisions for the years 2005-2016. This is due to the 10 year revision of the Report on Energy Supply and Demand, which is the main set of Canadian annual data. The majority of these revisions were applied to the demand side.
- For the 2015 edition, revisions back to 2005 were submitted by the Canadian administration, creating a break in time series between 2004 and 2005. Among others, the amounts reported as transport equipment; machinery; food, beverages and tobacco; wood and wood products; textiles and leather were reported as *non-specified industry* prior to 2005.

Supply

- Production is measured by the Canadian administration by upscaling the marketable production by approximately 11% to account for own-use in the extraction process.
- Associated gas has been estimated by the Canadian administration for 2016.
- Non-associated gas production data include colliery gas as well as associated gas produced in Alberta.

Transformation

- For 2000, the increase in main activity producer electricity is due to new generation plants in Alberta and Ontario.

- Due to confidentiality reasons, the Canadian administration estimated natural gas consumption in oil refineries for the 2014-2016.
- Gas-to-liquids (transformation) represents quantities of natural gas consumed in the production of synthetic crude oil.
- *Non-specified transformation* represents quantities of natural gas used for the upgrading of refined oil products.

Consumption

- Starting with 2014 data, natural gas distribution losses will no longer be reported by Canada as this flow was historically computed as a balancing variable.
- Due to confidentiality reasons, the Canadian administration estimated natural gas consumption in the following sectors for 2014-2016: iron and steel between, non-ferrous metal, transport equipment and machinery.
- For 2011, the increase consumption by non-metallic mineral production is due to switching from coal to natural gas in cement manufacturing.
- Prior to 1990 data for consumption of natural gas for construction are not available.
- Prior to 1978, consumption in *non-specified industry* includes gas used as fuel in oil refineries.
- Prior to 1978, agriculture is included in industry, and no detailed industry sub-sector data are available.

Biofuels and waste

General notes

- The split of **municipal waste** reported assumes 65% renewable and 35% non-renewable.
- The IEA Secretariat has estimated the data for **biogases, industrial and municipal waste** from 1990 to 2004, **biogasoline** (ethanol) from 1998 to 2004 based on information supplied by Natural Resources Canada.

Supply

- Canadian **biodiesel** production increased significantly in 2014 because a large producer came online at the end of 2013. In 2016 again, there was a big increase in production of **biodiesel** due to a large plant coming online in Alberta. This is also the reason for the increase in export, as Canada exports most of its **biodiesel** to the US.

- There were no exports of **biogasoline** since 2013.

Consumption

- The **solid biofuels** consumption data for the residential sector in 2015 and 2016 are equal to 2014 data because firewood data are delayed.

Electricity and heat

General notes

- The Canadian administration has undertaken revisions of many parts of the electricity time series back to 2005, based on the results of the Report on Energy Supply and Demand in Canada (RES-D). In particular, revisions were made on the inputs and outputs of power plants fuelled by combustible fuels and on the breakdown of final electricity consumption, resulting in possible breaks in time series.

Supply

- In the 2018 edition, revisions were made to electricity production from **wind** back to 2013.
- Starting in 2009, a new source has been used for electricity production from **solar, wind, and tide**. This new source covers production from **solar** and **wind** only from plants with capacity higher than 500 kW.
- **Heat** production includes **heat** produced by **nuclear** power stations for distribution to other consumers up to 1997.
- Discrepancies occur between respective reported figures for electricity trade between the US and Canada for 2016.

Transformation

- In the 2016 edition of this publication, there was a reclassification from autoproducer to main activity producer for plants fuelled by **biogases** and **municipal waste**.
- For autoproducers generating electricity with process steam produced from biofuels and waste, the energy required to produce the initial steam is not taken into account by the Canadian administration and as a result the efficiencies are overstated.
- The breakdown of electricity and heat generation between natural gas and oil products in main activity producer CHP plants has been estimated by the Canadian administration starting in 1990. This may cause breaks in the time series between 1989 and 1990.

- Net electricity production by autoproducers prior to 1990 includes production from combustible fuel sources only.
- Inputs of fuels to heat plants are not available for 1979 to 1987.

Consumption

- *Non-specified (Other sectors)* is being partly treated as a residual under the new methodology introduced in the 2018 Edition. Data submitted by Canada for 2015 were for negative -19,998 GWh, which is not possible, so this has been revised to zero by the IEA Secretariat, with the increased consumption being removed from *Statistical differences*.
- **Electricity** transmission and distribution losses could include statistical difference for certain years.
- Consumption of **electricity** in oil and gas extraction is not available prior to 1987.
- Consumption of **electricity** in coal mines is not available between 1982 and 1986.
- Breaks in the time series occur between 1973 and 1974 in agriculture, and between 1987 and 1988 in the industry sector.

Chile

Source

Energía Abierta, Comisión Nacional de Energía, Ministerio de Energía, Santiago.

General notes

- Data are available starting in 1971.
- In the 2017 edition, data for 2014 and 2015 were revised to replace figures previously estimated by the Secretariat.
- From 1990, consumption in paper and pulp includes forestry and consumption in agriculture is included in *non-specified industry*. In general, a new methodology has been applied for data since 1990, leading to other breaks in time series between 1989 and 1990.

Coal

General notes

- **Other bituminous coal** data includes **sub-bituminous coal** for all years, if present.

Oil

General notes

- There are breaks in time series between 2008 and 2009 due to a change in methodology by the Chilean administration.

Natural gas

Supply

- Chile started reporting exports of natural gas with 2016 data.
- Data representing LPG injected into the natural gas distribution network are available starting in 2009. They are reported in *from other sources - oil*.

Transformation

- For 2009 and 2010, inputs of natural gas to autoproducer CHP plants were estimated by the Chilean administration. For other years, these inputs are included in autoproducer electricity consumption
- Natural gas used for oil and gas extraction is included in gas consumption for energy use in refineries.
- *Non-specified transport* corresponds to marine transport.

Biofuels and waste

Supply

- Production of **landfill gas** ceased in 2001 as landfill sites stopped producing adequate gas to continue collection.

Transformation

- A new survey on primary **solid biofuels** causes breaks in production and input to autoproducer CHP between 2011 and 2012.

Consumption

- **Charcoal** production and consumption have been estimated by the IEA Secretariat until 2013. From 2014 data, only **solid biofuels** input to **charcoal** production plant is estimated.
- The Chilean administration applied a new revised methodology for *final consumption* of **primary solid biofuels**. This may lead to data breaks in time series between 2013 and 2014.

Electricity and heat

Supply

- Electricity production from **geothermal** started at Cerro Pabellón in 2017.
- In 2014, the Chilean administration applied a new methodology in the reporting of electricity generation from **solar PV** and **wind**, resulting in breaks in time series between 2013 and 2014. Revisions for previous years are pending.
- The majority of electricity generation *from other sources* is from a conveyor belt transporting crushed rock from high altitude to lower altitude in a mine. A small amount from waste heat is also included.
- **Solar thermal heat** production has been estimated by the IEA Secretariat using data published by Chilean ministry of energy.

Transformation

- In 2014, data inputs to transformation processes were taken from the published energy balance, and the output was estimated based on the efficiency reported in previous years.
- Electricity production from **other bituminous coal** includes sub-bituminous coal.
- Production of **chemical heat** used for electricity generation started in 2013. Besides chemical heat, data for heat production in CHP and heat plants are not available.
- Increases in electricity from **natural gas** in 2010 are due to the openings of new LNG terminals.
- The split of electricity generation by main activity and autoproducer by fuel was estimated by the Chilean administration for the period 1990 to 2003.

Consumption

- Increases in **electricity** consumption in the *road transport* sector from 2014 onwards are the result of a new estimation methodology, while electric vehicles used for the transportation of ores are reported as consumption within the mining and quarrying industry.
- **Solar thermal** consumption data are not available so all consumption data are allocated to the *non-specified other* sector.
- Prior to 2009, statistical differences are included in distribution losses.

Czech Republic

Sources

Czech Statistical Office, Prague.

Ministry of Industry and Trade, Prague.

General notes

- Due to ongoing review of energy data for 2010-2014, revisions have been made in the 2017 edition. Full details are given under each fuel.
- Data are available starting in 1971.

Coal

General notes

- **Other bituminous coal** data include **sub-bituminous coal** for all years, if present.
- In the 2018 edition, data for the Czech Republic were revised back to 2010 based on administrative data causing breaks in time series between 2009 and 2010. These revisions impacted mainly industrial consumption for **lignite**, **BKB** and **other recovered gases**.
- In the 2017 edition, coal consumption in the residential sector has been revised back to 2010 due to a new survey in households made by Czech Statistical Office, creating breaks in time series between 2009 and 2010.
- Increased production and consumption of other recovered gases in 2014 is due to improved tracking of by-products from various transformation processes. Tail gases from the production of carbon black from coal tar are reported here, as are off gases from the manufacture and cleaning of syngas from lignite for an IGCC plant.
- Coal which had been previously classified as **sub-bituminous coal** until the 2008 edition is now reported under **lignite** for all years.
- Revisions by the Czech administration have resulted in some breaks in time series between 2001 and 2002.
- Data for 1990 to 1995 were estimated based on the Czech publication Energy Economy Year Book.
- In 1995, town gas production (included in **gas works gas**) ceased.

Supply

- **Other recovered gases** are combustible gases obtained during the production of **gas works gas** and as a result of chemical processes.
- Production *from other sources* of **other bituminous coal** is from coal slurries.
- A portion of **other bituminous coal** reported under *from other sources* for the period 2010-2015 correspond to reclassified **coking coal**.
- Statistical differences for **coking coal** for the period 2010-2015 are partly due to the reclassification of coking coal to **other bituminous coal**.

Consumption

- In the 2015 edition, improved reporting enabled revisions to be made for certain primary **coal** consumption flows between 2010 and 2012.
- In the 2014 edition, residential consumption for the period 1990 through 2011 was revised for **other bituminous coal**, **lignite**, **coke oven coke** and **BKB**, as more accurate consumption data became available.
- Due to economic restructuring in consumption in the late 1990s (big state enterprises subdividing and/or privatising and the utilisation of new technologies by businesses), there may be breaks in time series in these sectors.

Oil

General notes

- Data prior to 1994 are estimated by the IEA Secretariat.
- In 2016 both Czech refineries were affected by accidents which resulted in decreased refinery throughput, increased refinery losses and a large decrease in imports of crude oil offset by increased imports of finished products. The second accident affected the ethylene production unit and led to decreased activity in the petrochemical sector. Data for 2017 provisional show a return to regular refinery activity.

Transformation

- From 2002 data onwards, some amounts of **fuel oil** have been reclassified under **other products**. This change mainly affects the transformation sector.

Consumption

- Between 1998 and 1999, breaks in **gas/diesel** final consumption time series are due to a new data

management system implemented by the Czech administration.

Natural gas

General notes

- Between 1993 and 1994 there are some breaks in time series due to a change in the energy balance methodology between former Czechoslovakia and the Czech Republic. Since 1993, data have been officially submitted by the Czech Statistical Office.

Supply

- From 2013 all non-associated gas production was reclassified as colliery gas production.

Transformation

- In 1996 natural gas inputs into gas works ended.

Consumption

- Prior to 1994 data in transport are for former Czechoslovakia.
- There is a break in time series in the industry and transformation sectors between 2009 and 2010 due to new available data from distribution companies.
- Starting with 2008 data, hydrogen production is reported in petrochemical feedstocks as non-energy use. Up to 2007, petrochemical consumption includes both energy and non-energy use.

Biofuels and waste

General notes

- The restructuring of the Czech electricity market leads to breaks in the time series in all sectors between 1998 and 1999.
- Data for **municipal waste** and **solid biofuels** are not available prior to 1990 and **liquid biofuels** data are not available prior to 1992.

Transformation

- Starting in 2016, an increased excise duty was imposed on **biofuels**, causing a decline in consumption.
- In 2016, a main activity producer CHP incineration plant fired by **municipal waste** was in test operation at Chotikov.

Consumption

- In the 2017 edition, due to a new survey in households made by the Czech Statistical Office in 2015

(ENERGO 2015), **solid biofuels** consumption in residential sector has been considerably revised upwards since 1990.

- Hospital waste previously reported as **municipal waste** is reported under **industrial waste** since 2008.
- New survey systems cause breaks in final consumption in 1999 and in 2002. Breaks in both supply and consumption of biofuels and waste occur again in 2003.

Electricity and heat

General notes

- In the 2017 edition, data for the Czech Republic were revised back to 2010 due to the acquisition of new administrative data, allowing access to more accurate and detailed data sources. As a result, there are breaks in several time series between 2009 and 2010.
- Data from 1990 onwards have been officially submitted by the Czech administration. This may lead to breaks in time series between 1989 and 1990.
- Electricity statistics from 1971 to 1989 have been estimated by the IEA Secretariat except for final consumption and trade which were submitted by the Czech administration.

Supply

- The amount of heat reported under **other sources** is primarily waste heat from the glass industry until 2009.
- From 1999 onwards, small amounts of **heat** have been exported to Slovak Republic.

Transformation

- Electricity generated from **waste heat** in CHP plants is included with the total production from **combustible fuels**.
- In the 2017 edition, a revision of the methodology for reporting the production of autoproducer plants running on **combustible fuels** causes multiple breaks in time series between 2009 and 2010 for CHP and electricity only plants.
- Data on **heat** own use and **heat** imports start in 2010 and 2009 respectively, following extensive revisions by the Czech administration in the 2017 edition due to the acquisition of new administrative data. Prior to this period, data are not available due to lack of sources.

- The production of electricity reported in the category **other fuel sources** refers to electricity produced from turbines driven by the mixture of air, ammonia and other non-coal gases derived from the petrochemical industry.
- From 2014, some autoproducer **heat** plants production figures became too small to appear in data collected.
- From 2012 data, new autoproducer **heat** plants were added to the data collection, causing a break in time series.
- In 2012, a main activity producer electricity plant using **solid biofuels** started to produce also heat and was reclassified as main activity CHP plant.
- A different reporting methodology used by the Czech administration for **biofuels and waste** causes some breaks in time series between 2002 and 2003.
- In 1999 and 2000, various big enterprises have been divided, sold and merged. This causes breaks in the time series of all types of plants.
- **Industrial waste** use in main activity producer electricity plants is included with **solid biofuels** from 1996.
- Data on **biogases** and waste used in main activity producer CHP and autoproducer heat plants start in 1993.
- Prior to 1990, electricity production in main activity producer CHP and autoproducer CHP plants is included in main activity producer electricity plants.
- Prior to 1990, heat production excludes heat sold by industry. In addition, heat production prior to 1990 is reported under main activity heat plants because the breakdown by producer and plant type is not available before then.
- The breakdown of net **electricity** production by source is not available prior to 1990.
- Data on **heat** production, and the corresponding fuel inputs, have been estimated from 1980 to 1989 based on consumption in residential and commercial/public services. Prior to that, inputs are included in industry.

Consumption

- Data for direct use of **solar energy** are available from 2003.
- Prior to 2000, the split of *rail transport* and *non-specified transport* is not available.

Denmark

Source

Danish Energy Agency, Copenhagen.

General notes

- In the 2004 edition, major revisions were made by the Danish administration for the 1990 to 2001 data, which may cause breaks in time series between 1989 and 1990.

Coal

Supply

- A large increase of **steam coal** imports in 2003 was related to a drought in Scandinavia. Thermal power plants were operated more intensively to replace hydro-generated electricity that was consumed in the country. Additionally, more coal-generated electricity was exported to other countries in the region. Significant fluctuations in demand are also evident for other years for similar reasons, including 2006 and 2013, but exist to a lesser extent.
- Declines in stocks of **steam coal** stem from extensive deployment of renewable generation technologies and policy to further reduce Denmark's utilisation of coal-fired power and implement co-firing with renewable fuels as a part of their *Energy Strategy 2050*.

Oil

General notes

- Starting with 2013 data the Danish administration reports products transferred to refinery feedstocks. In previous years refinery output is reported net of product transfers.
- From 2012, due to confidentiality issues, all liquid biofuels are reported under **biodiesel**
- Between 1995 and 2004, **other hydrocarbon** imports and inputs to main activity producer CHP plants represent orimulsion.
- From 1990 onwards, Greenland and the Danish Faroes are not included in the oil data.
- Information on waste oil recycling and final consumption begins in 1989 and is reported in other oil products.
- In 1988, consumption of **gasoline type jet fuel** ceased.

- As of 1987, separate data for **paraffin waxes** are no longer available.
- Prior to 1975, **refinery gas** is reported net of consumption in refineries.

Transformation

- Due to improved survey methods, inputs to electricity and heat generation have been reclassified, causing a break in time series between 1993 and 1994. The oil inputs used in industrial sub-sectors for producing surplus heat, which is delivered to district heating networks, are allocated to these industrial sub-sectors.
- In 1994, the marked increase in inputs to CHP production is due to increased electricity exports to Norway.
- From 1974 to 1979, consumption of fuel oil for the CHP production by autoproducers has been estimated.

Consumption

- Consumption data are based on a detailed survey sent to companies in Denmark every other year. For non-survey years, the consumption figures are estimated by the Danish Energy Agency
- **White spirit** and **lubricants** deliveries are estimated by Denmark.
- For 1994 and 1995, industry detail is based on a new survey.
- Prior to 1990, **gas/diesel oil** and **fuel oil** consumption for fishing are included in domestic navigation

Natural gas

Consumption

- The consumption of LNG for marine transport and international marine bunkers is not reported due to confidentiality.
- The breakdown for industrial consumption for the latest year is estimated by the Danish administration using the previous year's industry sector sub-sectoral shares and updated the following year.

Biofuels and waste

Supply

- Data for production of **municipal wastes** and **solid biofuels** were estimated by the Danish administration for 2017 based on consumption in the

transformation sector. Imports of **municipal wastes** and **solid biofuels** for 2017 are estimated by the Danish administration using the indigenous production growth rates.

Transformation

- From 2012, biogasoline trade designated to be blended with motor gasoline is included under bio-diesels, for confidentiality reasons.
- From 2012, biodiesel production was confidential and gathered with imports.

Consumption

- In the 2017 edition of this publication, the Danish administration used the 2014 figures of **municipal waste** consumption in industrial sector for the 2015 figures. These figures will be revised in the 2018 edition.
- In the 2016 edition, the Danish administration revised energy consumption in industry sectors causing some breaks in **solid biofuels** consumption between 2010 and 2011.

Electricity and heat

General notes

- **Heat** data are not available prior to 1976.

Supply

- In 2017, the declines in **electricity** and **heat** output from **other bituminous coal** and the corresponding increases in output from **solid biofuels** are attributable to fuel switching in co-fired plants.
- The amount of **heat** reported under *other sources* is heat recovered from industrial processes and sold for district heating.
- **Heat** produced for sale by heat pumps starts in 1994.
- **Geothermal** and **solar heat** production for sale is available from 1989.
- From 1984 onwards, small amounts of **heat** have been imported from Germany.
- The production of electricity from **wind** is available from 1978.

Transformation

- Fish oil used in main activity producer heat plants is included with **solid biofuels**.

- Due to the high number of heating companies burning wood chips that are equipped with boilers with flue-gas condensation, the **solid biofuels** heat plants show a high efficiency. The efficiency decline evident in 2016 was due to two less efficient plants switching to biofuels.
- For some years, heat plants for **natural gas**, municipal waste and **biogases** show efficiencies larger than 100%, on a net calorific value basis, due to the use of condensing boilers that recover the latent heat of vaporisation.
- **Biodiesels** and **biogasoline** consumption for electricity and heat production are reported under **other liquid biofuels**, for confidentiality reasons.
- Data for **other liquid biofuels** main activity heat plants are available back to 1994.

Consumption

- In the 2016 edition, the Danish administration revised **electricity** and **heat** consumption in the industry sector from 1990.
- For 2015 and 2016 data, the breakdown of **electricity** and **heat** total final consumption is estimated by the Danish administration based on 2014 data and will be revised in the following reporting cycle once their new industry survey results are released.
- The direct use of **solar thermal** energy is available from 1978.
- **Electricity** consumption in *non-specified industry* includes consumption in district heating plants and for the distribution of electricity.

Estonia

Source

Statistics Estonia, Tallinn.

General notes

- Data for Estonia are available starting in 1990. Prior to that, they are included in Former Soviet.

Coal

General notes

- Fuels reported as **coke oven coke** and **gas works gas** are the solid and gaseous by-products of oil shale liquefaction. Inputs of **oil shale** to “gas

works”, “coke ovens” and for coal liquefaction plants, while reported separately, combined, are the inputs for retorting in liquefaction plants.

- In the 2013 edition, data for **oil shale** production for the period 1991 to 1997 were revised to match Estonian GHG National Inventory values. Consumption data remained unchanged.

Supply

- Indigenous production of **peat products** stopped in 2016.

Oil

General notes

- In 2012 data, breaks in time series occur for trade figures, now including re-exports, and for international bunkers.
- For 1990 to 2007, oil data are based on direct communication with Statistics Estonia and UNECE.

Natural gas

General notes

- Estonia was unable to provide provisional natural gas data for 2017. These data have been estimated by the IEA Secretariat.

Consumption

- Consumption reported under not elsewhere specified (Energy) represents consumption of different activities of companies in the energy sector (NACE 35) for own uses without transformation.
- There are inconsistencies in the time series for residential consumption as this sector is computed as a residual.
- In 2014 Estonia’s main company in the chemical and petrochemical sector ceased activity, resulting in no non-energy use of natural gas.
- In 2009 Estonia’s main producer of fertilisers ceased activity, resulting in a sharp decrease in the non-energy use of natural gas. The plant reopened in 2012.

Biofuels and waste

General notes

- Data for **biogases** include **landfill gas** starting in 2005.

Electricity and heat

Transformation

- Fuels reported as **coke oven coke** and **gas works gas** are the solid and gaseous by-products of **oil shale** liquefaction, and main activity heat and electricity generation from these fuels is tightly associated with liquefaction plants.
- Inputs of fuel oil and gas works gas to transformation processes include shale oil.
- In the 2018 edition, the surge in main activity heat from **solid biofuels** was related to reclassification from autoproducer heat plants, where previously autoproducer own use heat and associated fuel inputs are not reported, and the fuel consumption appears in the main economic activity of the autoproducer.
- From 1990 to 1999, some of the electricity and heat production are reported under *other oil products* while the inputs are reported under the individual fuels.

Consumption

- **Electricity** consumption in the non-specified energy sector includes consumption in the Classification of the Economic Activities in the European Community (NACE) 3512 and 3513 categories.

Finland

Source

Statistics Finland, Helsinki.

General notes

- In 2014, a new survey system and a reclassification of the data lead to breaks in the time series between 1999 and 2000 for most products and sectors. The new survey system is more detailed and has better product coverage, especially in electricity, CHP and heat production, as well as in industry.

Coal

General notes

- **Coal tar** used for non-energy purposes or exported is not reported in either production or consumption.
- In the 2015 edition, revisions were received for some consumption flows of **other bituminous coal** and **coke oven coke**, while **other recovered**

gases (from ferrochromium manufacture) were reported separately for the first time, with revisions back to 2000. Prior to 2000, off-gases from ferrochromium manufacture are included in blast furnace gas, and inputs of **coke oven coke** for ferrochromium manufacture in inputs to blast furnaces instead of *non-specified transformation*.

- Prior to 2008, **peat products** are included with peat data.
- A large increase of steam coal imports in 2003 is related to a drought in Scandinavia. Thermal power plants were operated more intensively to replace hydro-generated electricity that is consumed in the country. Additionally, more coal-generated electricity was exported to other countries in the region.
- The increase of **other bituminous coal** inputs into main activity producer electricity plants from 1993 to 1994 was due to coal replacing imported electricity and hydro power.
- Production of **gas works gas** ceased in April 1994.
- Hard coal data prior to 1978 may include sub-**bituminous coal**.

Transformation

- In the 2017 edition, fuel inputs and heat production from **peat** main activity heat plants have been revised from 2000 as a result of new data access for smaller peat heat plant units.
- The significant increases and decreases of **other bituminous coal** inputs into main activity producer electricity plants from year to year are due to coal replacing imported electricity and hydro power.
- Likewise, **peat** production is highly dependent upon favourable weather conditions and the pricing of other fuels. The decrease in **peat** and **other bituminous coal** usage in main activity electricity plants in 2008 was due to record electricity generation from hydro plants. A similar circumstance occurred in 2012.
- The first coking plant started operation in 1987, hence imports of **coking coal** and production of **coke oven coke** and **coke oven gas** started in that year.

Oil

General notes

- The 2018 edition includes revisions to data for several products from 1999 onwards.

- Several revisions to petrochemical data were introduced, including a reclassification of quantities between energy and non-energy use. Further revisions are pending.
- In spring 2015, the Porvoo refinery had the largest shut down in its history for maintenance works. This is the reason for the large decrease in refinery throughput in 2015.
- In 2014, the Finnish administration revised the time series for **refinery gas** from 2000 and included flaring of petrochemical gases under *distribution losses*.
- Prior to 2002, **petroleum coke** used as *refinery fuel* was included with refinery gas.
- In 1995, there is a break in time series for **oil products** trade due to the aligning of the National Board of Customs trade data collection system with the European Union's Intrastat system.
- **Other hydrocarbons** reported under *from other sources natural gas* correspond to hydrogen used in refineries, also represented as the output of *non-specified transformation* in the balances format.

Consumption

- Data on non-energy transformation of naphtha in the petrochemical sector is now available from 1990 onwards.
- Due to a new calculation model, there is a break in **fuel oil other consumption** between 1998 and 1999.

Natural gas

General notes

- Finland imports LNG since September 2016. As there is only one company operating in this market, LNG supply data is confidential.
- Between 1999 and 2000 there are some breaks in the time series due to a new survey system and a reclassification of the data.

Transformation

- *Non-specified transformation* data represent natural gas used for hydrogen manufacture. This hydrogen is used for hydrodesulphurization and hydrocracking in oil refineries

Consumption

- Not elsewhere specified (transport) includes LNG consumption for domestic navigation and international marine bunkers.

- Since 1995 data, the breakdown between residential and commercial/public services is available due to a new system of data collection.
- Prior to 1989, **natural gas** consumption in residential and agriculture/forestry has been estimated by the Finnish administration.

Biofuels and waste

General notes

- Prior to 2004, **industrial waste** also included other energy forms such as hydrogen, heat from chemical processes, natural gas and blast furnace gas.
- Data for **biogases** and **industrial waste** are available from 1996.

Supply

- Due to confidentiality, the **biodiesel** production includes trade figures and stock changes for 2015-2016. Regarding **biogasoline** for the same time period, import covers production, exports and stock changes.

Transformation

- The amount of **biodiesel** used for blending with diesel fell greatly in 2016 after record levels for the past two years. Annual variation in the consumption of biofuels is possible and caused by Finland's biofuel legislation, which gives distributors the possibility to fulfil the bio obligation flexibly in advance.

Electricity and heat

Supply

- **Electricity** production in Finland is affected by the connection to the Nord Pool. In period of high waterfalls, importing electricity from other Nordic countries is more economic than producing it. This can cause breaks in the time series.
- **Other sources** include hydrogen and purchased steam.
- The increasing heat production from **heat pumps** in 2007 and 2008 is from the new Katri Vala district heating and cooling plant.
- **Heat from chemical processes** and associated electricity generation are available from 2000.

Transformation

- Electricity plants data may include some CHP plants operating in electricity only mode. Likewise,

heat plants data may include some CHP plants operating in heat only mode.

- In the 2017 edition, fuel inputs and heat production from **peat** main activity heat plants have been revised since 2000 as new data became available for small peat heat plant units.
- In the 2016 edition, the allocation of **solar photovoltaic** between main activity and autoproducer plants was revised.
- From 2014 data, an autoproducer in the field of iron and steel industry running on **coke oven gases** and **blast furnace gases** was sold and is now reported as main-activity producer.
- The increase in heat production from **municipal waste** in 2014 is due to the opening of a new plant.
- In 2014, the new consumption of **other liquid biofuels** in main activity electricity plant corresponds to biopyrolysis oil made from wood chips.
- Data on **peat products** electricity and heat generation are available since 2008. Prior to that, they are included in **peat**.
- **Heat** output from autoproducer CHP plants is available starting in 1996 and from autoproducer heat plants starting in 2000; corresponding inputs may be under-reported.
- Before 1999, all electricity production from autoproducers running on **fuelwood** is allocated to CHP plants.
- Electricity and heat production from **biogases** are available from 1996.
- Prior to 1992, outputs from the use of **combustible renewables and waste** to generate electricity and/or heat were included in peat. Therefore, the IEA Secretariat estimated the breakdown of outputs from **municipal waste** and **solid biofuels** based on reported inputs.
- Inputs of **liquid fuels** and **natural gas** to CHP plants are included with the inputs of these fuels to main activity producer electricity only and heat only plants prior to 1978.
- Electricity production from **biofuels and waste** is not available between 1974 and 1976.

Consumption

- For 2016 data, the production of **heat** from oil refineries in autoproducer plants ceased, following the change of ownership of these plants and their reclassification to main activity producers. This result in the consumption of (sold) heat under the

oil refineries sector to jump as most heat formerly produced by oil and gas autoproducers are now purchased.

- In the 2017 edition and following, an extended review of NACE sector encoding by the Finnish administration resulted in the revision of the sectoral heat consumption time series back to 2007, leading to breaks in time series between 2006 and 2007 in some heat consumption sectors.
- A new survey of the agriculture and forestry sector leads to breaks in the **electricity** consumption between 2007 and 2008.
- The split of **heat** consumption in the different industry sectors is available starting from 2007. Prior to that, it is aggregated in *non-specified industry*.
- Prior to 2000, consumption of **heat** in *residential* includes consumption in *agriculture/forestry* and *commercial/public services*.
- Consumption of **electricity** in the industry sub-sector *machinery* includes consumption in transport equipment prior to 1995.

France

Source

Ministère de la Transition Écologique et Solidaire, Paris.

General notes

- In the 2018 edition, data for France were revised back to 2011 following changes in methodology and procedures used by the energy statistics sub-department (SDSE) within the Ministry for the ecological and inclusive transition. As a result, the revisions, to bring the reporting more in line with the international standards, impacted all fuels. Additional details are given under each fuel.
- From 2012, the energy consumption is more detailed due to a more precise national survey.

Coal

General notes

- In 2018 edition, the calorific value of coking coal has been revised in agreement with Eurostat and the IEA. The revision was made for the period 1990 to 2016.
- In the 2017 edition, the French administration undertook comprehensive revisions on sectoral

coal consumption back to 2011. Starting this edition, new information became available for **anthracite, BKB and other recovered gases**.

- From 2012, the energy consumption is more detailed due to a more precise national survey.
- Prior to 2011, **other manufactured gases** (oxygen steel furnace gas) are included in **blast furnace gas**.
- For 1989 to 1998, the IEA Secretariat has estimated industry consumption based on *Consommations d'Énergie dans l'Industrie*, SESSI.
- Prior to 1985, consumption of colliery gas is included with the use of **coke oven gas** by autoproducers.
- Hard coal data prior to 1978 may include **sub-bituminous coal**.

Transformation

- In 2016 the company that consumed **blast furnace gas** for electricity and heat generation ceased its activity.

Consumption

- In the 2018 edition, the split of energy consumption between the residential sector and the commerce and public services sector has been revised back to 1990 by the French administration for **other bituminous coal, lignite, coke oven coke, BKB and patent fuel**.
- **Blast furnace gas** and **coke oven gas** used for energy purposes in blast furnaces are no longer reported under the iron and steel industry. As of the 2018 edition these quantities are reported under the energy sector.
- Final consumption in industry is estimated by the Secretariat from 1986 to 2001 for some products.

Oil

General notes

- The 2017 provisional data for oil were estimated based on monthly oil data submitted by the French administration. Following a methodological change in the French monthly statistics coverage, data from January 2017 include the overseas departments (French Guiana, Guadeloupe, Martinique, Mayotte and Reunion). This results in numerous breaks in time series.
- Statistical differences observed for motor gasoline and naphtha are partly due to the absence of a specific naphtha category in the customs classification.

- Statistical differences appear for other products as a result of different definitions used for this residual category between the customs, refineries, power plants and petrochemical industry.
- From 2013, information is available for imports of condensates used by the petrochemical sector. These are reported under imports of NGL, inter-product transfers of NGL to other oil products, and consumption of other products.
- From 1991, **additives and oxygenates** data are available.

Supply

- From 2009, transfers of **kerosene type jet fuel** to **white spirit** correspond to kerosene used as a base for making white spirit.
- From 2008 data, refinery intake of **refinery feedstock** and refinery output of **refinery gas** output figures exclude natural gas used in the steam reformer of the Gonfreville refinery.
- From 2008 data, **ethane** refinery output is reported
- From 2002 data onwards, ethylene produced in Lacq is not included in NGL.
- From 1998 data, a different treatment of transfers was adopted. Imported oil products needing further refinery processing are no longer reported as **refinery feedstock** imports but as oil product imports and products transferred. **Fuel oil** includes part of the amounts previously reported in **other oil products** from 1999 and various other products from 2001.

Transformation

- Starting in 2012, separate data on main activity heat plants inputs are available.

Consumption

- The breakdown between international and domestic marine bunkers is estimated by the French administration.
- Between 2005 and 2006, a break is visible in **LPG** time series, as consumption from one chemical company was re-classified from energy use to non-energy use. Breaks in **LPG** time series also appear in 2001 due to improved data collection.
- From 2000 data, **petroleum coke** consumption in the non-ferrous metals industry is no longer available separately. Prior to 1982, no breakdown between energy and non-energy use is available for this product.

- From 1998 data, military consumption of **kerosene type jet fuel** is reported separately from domestic aviation.
- Prior to 1988, **LPG** includes ethane consumption.
- Prior to 1985, the residential sector consumption of **gas/diesel oil** is reported under the commerce/public services sector, as no separate data were available.

Natural gas

General notes

- The French administration revised the methodology used in the 2018 edition to bring it more in line with the international standards. More specifically, (i) Supply figures were revised for the period 2007-2016, (ii) Transformation sector consumption for 2007-2016, (iii) Energy sector consumption for 2011-2016, (iv) Transport and Commercial and Public services for 2000-2016, (v) Industry sector for 2011-2016 and (vi) Imports and Exports for 2011-2016.
- Until 2007, some statistical differences reported by the French utilities were included in distribution losses. Since 2008, these amounts are included under statistical differences.
- Between 1999 and 2000, there are some breaks in time series due to a new methodology for preparing the natural gas balances.

Supply

- The total imports and exports data include transit amounts.
- From 1990 to 1998, statistical difference includes gas consumption which is not broken down by sector.

Consumption

- The increase in natural gas consumption in the electricity sector for 2016 is mainly driven by the decrease in nuclear generation due to maintenance operations, which is compensated by gas-fired power plants.
- The updates for 2007-2008 in the Transformation sector are still pending implementation, for consistency reasons with the electricity figures.
- Gas for pipelines is included in distribution losses.
- Between 2005 and 2006, there is a break in the time series of the industry sub-sectors.

Biofuels and waste

General notes

- In the 2018 edition, following an analysis of **biogases** in the energy sector by the French administration, there are revisions in **biogas** indigenous production, inputs to the transformation sector, heat production and final consumption back to 2005. Electricity production from **biogases** is revised back to 2011. This causes breaks in time series between 2004 and 2005 as well as 2010 and 2011.
- Indigenous production, transformation and final consumption of **industrial waste** are reported from 2013. In the 2018 edition, indigenous production and transformation of **industrial waste** were added from 2007 - 2012. It follows that there is a break in time series between 2012 and 2013.
- In the 2018 edition, **solid biofuels'** indigenous production and inputs to main activity and autoproducer heat plants have been revised back to 2007. Electricity production has been revised back to 2013. This causes breaks in time series between 2006 and 2007 as well as 2012 and 2013.
- In the 2018 edition, indigenous production and inputs to main activity heat plants have been revised back to 2007 for **municipal waste**. Electricity production has been revised back to 2011. This causes breaks in time series between 2006 and 2007 as well as 2010 and 2011.
- Prior to 2007, production and consumption of **industrial waste** were included in municipal waste.

Transformation

- Plants using **municipal waste** were reclassified as autoproducer CHP plants from 1995, which leads to a break in time series.
- Breaks in time series in 2005 for **municipal waste** and **solid biofuels** are caused by sectoral reclassifications.

Consumption

- A revision of the **solid biofuels** and **biogases** time series created breaks in the direct use time series between 2004 and 2005.
- The breakdown of the final energy consumption of **biogases** was estimated by the French administration from 1970 to 2003.

Electricity and heat

Supply

- All **photovoltaic** plants with capacity above 100 kWp are considered as main activity producers, while all plants with capacity below that value are considered autoproducers.
- Heat production from **heat pumps** is available starting from 2013.
- Electricity production from *other sources* is available starting in 2007, representing production of electricity from purchased steam. The input is shown under *non-specified transformation*.
- Data on electricity production from **wind** are available from 1990.

Transformation

- Revisions for **heat** production in all plant types were received and accepted for many fuels from 2007 onwards, with the exception of natural gas, where the planned revisions for 2007 and 2008 are still pending implementation by the Secretariat.
- Electricity production from **hydro** was revised back to the year 2000, in some cases only amounting to plant reclassification, in the 2018 edition.
- Electricity production from **geothermal** started in 2011 and stopped in 2012 due to the maintenance of the only plant. This production restarted in 2016.
- The amount of heat not sold in autoproducer plants is included in total heat production up to 2007.
- In 2005, autoproducer CHP efficiencies for **biogases** drop due to the opening of a larger, less efficient plant.
- From 2000 several plants have been reclassified from electricity only to CHP plants. This causes breaks in the time series between 1999 and 2000.
- Prior to 2000, inputs and outputs of **oil products** are not available separately and are reported together under **other oil products**. From 2000 to 2008, there are further classification problems for inputs and outputs of electricity and heat from oil products. The French administration is working to reconcile their data collection methods for the inputs and the outputs for electricity generation.
- A new method of survey and a reclassification between main activity producer electricity plants and autoproducer electricity plants may cause

breaks in the time series for **other bituminous coal** between 1998 and 1999.

- There was re-classification on autoproducer plants using **municipal waste** in 1995, which leads to a break in the time series.
- Net electricity production by autoproducer CHP plants is available from 1989.
- Net **electricity** production by autoproducers prior to 1983 includes production from combustible fuel sources only.

Consumption

- In the 2018 edition, revisions for 2011 onwards were received for all **electricity** consumption flows, based on an improved survey. This has led to breaks in time series between 2010 and 2011. Similarly, **heat** consumption from 2007 onwards was revised to account for autoproducer own use heat generation in its correct economic activity.
- In the 2017 edition, the French administration undertook comprehensive revisions on sectoral electricity consumption time series, for some sectors revising back to 1990. **Electricity** consumption at railway and bus stations, shipping piers and airports is no longer included in the transport sector but in the commercial and public services sector. Road **electricity** consumption has also been revised back to 1990, following an extended review of NACE sector encoding by the administration. These revisions created breaks in time series for several sectors, which the administration anticipates to address in subsequent reporting cycles.
- For the 2014 edition of this publication, the French administration revised **electricity** consumption data in the agriculture sector back to 2004, resulting in breaks in time series.
- Consumption of **electricity** in uranium treatment plants is confidential for the period 2003 through 2010, and unavailable prior to 1980.
- Data on **heat** distribution losses are available only starting from 2007. Prior to that, they were included in final consumption.
- Prior to 2005, all the **geothermal** heat consumption was reported as direct use. From 2005 data, some quantities are reported as output of heat plants, resulting in breaks in time series for production, transformation and consumption.
- Consumption of **electricity** for oil and gas extraction includes that used in oil refineries from 1988 to 2000.

- *Non-specified other* consumption includes exports to Monaco prior to 1992 and defence-related activities, among others.
- The industry classifications used by the French administration were changed in 1986.
- There are major breaks in the time series in 1965 when more detailed breakdown of data on **electricity** consumption became available.

Germany

Source

Federal Ministry for Economic Affairs and Energy, Berlin.

General notes

- Data starts in 1960. German data include the new federal states of Germany from 1970 onwards.
- The German administration has changed the methodology for reporting heat over time:
- Starting in 2007, more information is available on main activity heat plants and additional inputs started to be reported for this category. This causes breaks in time series between 2006 and 2007.
- Between 2003 and 2006, autoproducer heat output was provided, but no inputs.
- Between 2002 and 2003 and between 2003 and 2004, breaks in time series occur, due to the implementation of the Energy Statistics Act, collection concerning heat produced in heat plants and district heating plants became more efficient and more complete.

Coal

General notes

- Comprehensive official data are only collected for the aggregate of hard coal. Due to the unavailability of detailed data, the split into **anthracite**, **coking coal** and **other bituminous coal** is partly estimated by the national administration.
- In the 2014 edition, significant revisions were submitted for all primary coal types, derived products and manufactured gases for the period 2003 to 2011 as previous estimations were updated with more accurate information. Revisions primarily affected consumption, including industry and other sectors; but also supply, statistical differences and weighted calorific values.

- Up to 2002, **other bituminous coal** includes **anthracite**.
- Between 1998 and 2005, breaks in time series may occur for **coke oven gas** and **blast furnace gas**.
- Between 1990 and 1992, breaks in time series may occur due to earlier reclassification of several sectors by the German administration; this particularly affects **BKB**, **lignite** and **coke oven coke**.

Transformation

- Breaks in time series between 2014 and 2015 for **coke oven gas** and **blast furnace gas** are due to a reclassification of main activity producers and autoproducers.
- In 1997, **BKB** inputs to gas works plants stopped.

Consumption

- Consumption of **non-renewable municipal waste** and **other solid biofuels** as a reductant occurs in German blast furnaces, but is not currently quantified. Likewise, **coal tar** is a by-product of coke ovens, but not currently reported.

Oil

General notes

- In 2017, the German administration included additional firms in the chemical sector to their data collection system. As a result, for 2017 provisional data there is an increase in deliveries of oil products to the petrochemical sector.
- In 2016 the German administration reclassified the consumption of a chemical company from **fuel oil** to **other oil products**. This leads to a decrease in the supply and consumption of fuel oil with a corresponding increase for other oil products. Due to the assumptions made by the German administration about the energy consumption of the respective products, this also creates a break in time series in the split between energy and non-energy consumption for the chemical sector.
- In 2016 there are breaks in time series for **white spirit** due to an increase in data coverage. Historical revisions are expected in the next edition.
- From 2000 data, part of the product *Andere Rückstände* (other residues) is included with fuel oil instead of other oil products.
- Starting from 1994 data, there has been a reclassification of jet gasoline to kerosene type jet fuel.

- Prior to 1979 data, **other products** include **paraffin waxes**, **bitumen**, **white spirit** & **SBP** and **lubricants** for eastern Germany.
- The methodology to determine net calorific values has been changed for 2015 data. The values for crude oil and refinery feedstocks were revised back to 2003.

Consumption

- The data for the sectors of construction, agriculture/forestry and fishing is subsumed within the commercial and public services sector.
- Between 2002 and 2003, breaks in time series in consumption data are due to structural changes in energy statistics following the newly introduced Energy Statistics Act.
- In 1995 data, a break in **gas/diesel oil** consumption occurs as a result of an alignment with the Classification of the Economic Activities in the European Community (NACE).
- Beginning in 1994, final consumption by individual sector has been improved due to new survey methods instituted by the *Minerölwirtschaftsverband*.
- In 1989, end-use consumption of **gas/diesel oil** decreased due to an exceptionally warm winter and a lowering of consumer stocks.
- Prior to 1980 data, consumption of **fuel oil** in blast furnaces was included in the iron and steel sector
- Prior to 1970 data, consumption of **refinery gas** in the chemical industry is included with refineries' own consumption.

Natural gas

General notes

- Between 2009 and 2010, there is a break in time series due to a new, more comprehensive legal framework that resulted in methodological changes for production and new calorific values for natural gas.

Supply

- Imports include all the gas purchased by German companies, whether it is finally consumed in Germany or not.
- Exports include all the gas sold by German companies (these are mainly re-exports).

Transformation

- In 2003, there is a break in time series for input to electricity and CHP plants (both autoproducers and main activity producers).
- Prior to 1995, inputs of natural gas for main activity producer heat plants are included with main activity producer CHP plants.

Consumption

- Since 2003, there are no official data for the construction sector.
- Since 2003, consumption in agriculture and *non-specified other*, which were previously estimated, are no longer shown, and losses data have been included in statistical differences.
- Since 2003, gas consumption in coke ovens was negligible.
- Between 2002 and 2003, there are breaks in time series for some sectors due to modifications in reporting methodology.
- Between 1994 and 1995, there are some breaks in time series due to the fact that the industry sub-sector breakdown is based on the 1995 NACE classification.
- Also, prior to 1995, end-use consumption data are based on *Arbeitsgemeinschaft Energiebilanzen*.
- Before 1970 there is no detailed breakdown available for the industry sector with the exception of iron and steel and chemical industries.

Biofuels and waste

General notes

- A revision of the time series for **solid biofuels**, including trade, and **other liquid biofuels** is planned for autumn 2018.
- In 2011, numerous changes to methodology and classifications have caused many breaks in time series.
- Starting in 2008, **municipal waste** and **industrial waste** data were collected separately. This leads to breaks in the time series between 2007 and 2008.
- Between 1996 and 1997, a new survey for renewables causes breaks in the time series.

Supply

- Trade data for **biogasoline** are available from 2004 and for **biodiesels** from 2003.

Consumption

- For **solid biofuels** consumption in the commercial and public services sector, new data were derived in cooperation with the Federal Research Institute for Rural Areas, Forestry and Fisheries by applying a different calculation approach based on the total demand for material and energy use of the resource wood in Germany. This had resulted in break in time series between 2013 and 2014.

Electricity and heat

General notes

- In the 2014 edition, the German administration performed some major revisions back to 2003. This led to breaks in the time series between 2002 and 2003.
- Prior to 1970, **heat** production and consumption have been estimated by the Secretariat based on *Energie-bilanz der Bundesrepublik für das Jahr 1990* provided by the German Institute for Economic Research.

Supply

- In some instances, electricity generation from nuclear, hydro, solar, wind and biogases in auto-producer electricity plants is confidential or not available and therefore is included in main activity producer electricity plants.
- Since 2011, due to a reclassification of wind energy and solar photovoltaic in the official data of the German Federal Statistical Office, the production is now only reported under main activity producer plants.
- Electricity production **from other sources** is available starting in 2003. This refers to the production of electricity from turbines which are located at pressure drops in fluid transport and from purchased waste heat.
- Prior to 1991, **electricity** trade data includes only trade of the Former Federal Republic of Germany.
- Data on electricity production from **wind** and **solar** are available from 1986 and 1990, respectively.
- Starting in 1984, small amounts of **heat** have been exported to Denmark.

Transformation

- Detailed data by fuel are not available for total **heat** production. The non-allocated part is reported

as heat production from **non-specified combustible fuels**.

- Weather conditions were not favourable for **wind** and **solar** generation in 2016.
- In 2015, a reclassification of some main activity producer electricity and CHP plants to autoproducer **CHP plants** powered by **coke oven gas** results in a break in time series for this period. Similarly, a reclassification of **blast furnace gas** main activity **electricity plants** into autoproducer plants results in a break in time series for the same period.
- From 2003 onwards, all **heat** production in auto-producers is considered as non-sold (i.e. for self-use) and, therefore, not reported. Inputs for this heat production are no longer reported in the transformation sector.
- For 2002 and 2003, the German administration did not submit the breakdown of electricity and heat production from **combustible fuels**. The data were estimated as follows: renewables and waste were taken from the Renewables and Waste Questionnaire and the other combustible fuels were estimated pro rata based on 2001 estimates.
- Prior to 2003, **electricity** production in electricity plants includes production from CHP plants and heat production in CHP plants includes production from heat plants.
- Due to the implementation of the Energy Statistics Act, collection concerning heat produced in **heat** plants and district heating plants became more efficient and more complete. This leads to breaks in time series between 2002 and 2003 and between 2003 and 2004.
- A new survey for the renewable products can cause breaks in the time series between 1998 and 1999.
- Prior to 1993, all heat production from **BKB/peat briquettes** is included in main activity producer CHP plants.

Consumption

- Breaks in time series appear between 2015 and 2016 in the *road transport* sector **electricity** consumption following the introduction of a new model for this consumption sector. The German administration plans to revise the historical series in subsequent cycles.
- Increases in 2016 **electricity** generation by auto-producers within the *transport equipment* manufacture industrial sector are due to reclassification from main activity generation, rather than development of new plant.

- More information on district heat became available, causing breaks in the time series between 2006 and 2007.
- Data on **geothermal heat** production and direct consumption are only available starting in 2003.
- From 2002, **electricity** consumption in the commercial and public sector includes the construction sector, and the fishing, agriculture and forestry sectors for the whole time series.
- In 2000, revisions from the German administration to the **electricity** consumption data may cause breaks in the time series.
- In 1995, the German Federal Statistics Office reclassified some industrial branches which may cause a break in time series in industry sub-sectors.
- Between 1971 and 1980 **electricity** consumption in coal mines includes consumption in coke ovens and BKB plants.

Greece

Source

Ministry for Environment and Energy, Athens.

Oil

General notes

- In the 2016 edition, the Greek administration reclassified gasoline-type jet fuel as aviation gasoline starting from 2009 data.
- Between 2012 and 2013, breaks time in time series for biodiesel, lubricants and stocks appear due to the introduction of a new reporting system.

Supply

- **Crude oil** production stopped on 30 November 1998 and started again in December 1999.
- From 1986 data onwards, information on **refinery feedstocks** is available

Transformation

- From 1990 onwards, there has been an increased use of **refinery gas** in electricity generation, replacing **fuel oil**.

Consumption

- In 2013 data, the drop of **gas/diesel oil** residential consumption is linked with changes in the taxation of heating oil.

- From 1993 data onwards, more information is available on the allocation of **fuel oil** to specific industrial sub-sectors. Fuel oil consumption in the agriculture and residential sectors has been replaced by **gas/diesel oil** starting in 1993.
- Prior to 1987 data, consumption in the commerce/public services sector is included with residential. Peaks in residential sector consumption in 1978 and 1982 are due to unusually cold winters.

Natural gas

General notes

- Natural gas produced in Greece has a higher than average gross calorific value due to a high content of C₂/C₄ hydrocarbons.

Supply

- In November 1998 the production of natural gas stopped in and started again in December 1999.
- In 1997, Greece started importing natural gas as a result of a new operational pipeline between Russia and Greece.

Consumption

- In 2011 there is a break in time series for the non-ferrous metals due to a new methodology for measuring gas consumption in this sub-sector.
- For 1998 data, consumption in the residential sector is included with commercial/public services.

Biofuels and waste

General notes

- New information on **solid biofuels** is available from 1996 and leads to breaks between 1995 and 1996.
- Data for **biogases** are available from 1990 and data for **industrial waste** from 1992.

Supply

- Indigenous production of **solid biofuels** is estimated for 2015 and 2016 based on consumption.

Transformation

- The big increase in delivery of **industrial waste** to autoproducer CHP plant in 2010 is mainly due to the opening of a new plant.
- Inputs of **solid biofuels** to **charcoal** production are estimated for 2007 to 2010 by the IEA Secretariat assuming an efficiency of 40%.

- **Industrial waste** used in autoproducer CHP plants decreased substantially in 2006 because a plant closed.

Consumption

- **Solid biofuels** consumption in commercial/public services is included in residential until 2011.
- The consumption of **solid biofuels** in the paper, pulp and printing industry is not available from 2003 to 2012.

Electricity and heat

Supply

- For 2016, **gross electricity** generation from **combustible fuels** in main activity electricity and autoproducer CHP units was estimated by the IEA Secretariat, based upon the gross to net ratio for combustible fuels for these plant types in 2015. This increase in production was assigned to lignite-fired and natural gas-fired plant.
- No production of **solar heat** is reported.

Transformation

- In 2008 a new plant using refinery gas started operating in an experimental phase, causing a low efficiency.
- Production and consumption of distributed heat (heat sold) that is produced from lignite is available from 1997.
- Data for **biofuels and waste** input and output to transformation are available from 1992.

Consumption

- Electricity consumption in road is available from 2013.
- A break in time series exists between 1991 and 1992 for electricity consumption in transport.
- Direct use of **geothermal** heat in residential is available starting in 2004.
- Electricity consumption in iron and steel and in the non-ferrous metals industry prior to 1971 has been estimated by the Secretariat.

Hungary

Source

Hungarian Energy and Public Utility Regulatory Authority, Budapest.

General notes

- Data are available starting in 1965.
- The Hungarian administration submitted questionnaires to the IEA Secretariat for the first time with 1993 data.

Coal

General notes

- From 1992, the production of **sub-bituminous** coal has been included with **lignite** due to the low quality of the coal. For 1990 to 1999, the use of this domestic coal in main activity producer electricity and CHP plants has also been reclassified to **lignite**.

Transformation

- Autoproducer heat and power plants using **coke oven gas** and **blast furnace gas** were reclassified in 1998 as main activity power plants.

Oil

General notes

- From 2010, *from other sources - natural gas* of **other hydrocarbons** correspond to hydrogen used in refineries, also represented as the output of *non-specified transformation* in the balances format.
- Starting from 1998, data for additives and aviation gasoline are available.
- From 1994 onwards, other products include aromatics and other products that were previously included mainly under white spirit. Prior to 1993, **white spirit** is included in motor gasoline. Data for **refinery gas**, **paraffin waxes** and **lubricants** are partly estimated by the Secretariat.

Supply

- In 2016 the closure of the Val d'Agri oil centre between April and August led to a decrease in production of crude oil.

Consumption

- In the 2016 and 2017 editions, revisions to consumption data back to 2010 were provided by the Hungarian administration following a survey introduced in 2014. This results in breaks in time series between 2009 and 2010.

Natural gas

General notes

- Between 2012 and 2013 there are some breaks in time series for energy sector, transport and industry consumption due to a new methodology. Historical revisions are pending.
- Between 1996 and 1997 some breaks in time series exist due to a new methodology applied by the Hungarian administration.

Transformation

- Since 2010, data reported for *non-specified transformation* represent natural gas used for hydrogen manufacture used in refineries for hydrodesulphurization. Prior to this year, these quantities are reported under oil refineries.
- Since 1997 two autoproducer heat plants have been reclassified to main activity producer heat plants.

Consumption

- Beginning in 2016, electricity consumption under the *non-specified other* sector includes military usage, following recent clearance to disseminate these data.
- Prior to 2004 *iron and steel* consumption includes transformation of natural gas in blast furnaces.

Biofuels and waste

General notes

- Data for **biogases** are available from 2000; for **industrial waste** from 2003; for **biodiesel** production from 2007.

Supply

- A 2012 change in **biogasoline** reporting methodology results in break in time series between 2011 and 2012.

Consumption

- In the 2018 edition, the Hungarian administration has revised **solid biofuels** consumption in other sectors back to 2005 based on the new survey from Hungarian Central Statistical Office (HCSO). This resulted in break in time series between 2004 and 2005.
- A new reporting methodology for the direct use of **geothermal** energy was applied from 2014 resulting in break in time series between 2013 and 2014.

Electricity and heat

Supply

- In 2017, a main activity producer CHP plant was reclassified as an autoproducer. As a result, declines are observed in **heat production from other bituminous coal** and **industrial waste**, as heat reported as previously sold may now be considered as used onsite.
- *Other sources* electricity and heat production is available from 2013 and represents generation from residual tail gases from the manufacturing of soot as well as from hydrogen.
- **Geothermal** heat production from main activity producer heat plants is available from 1995.
- **Nuclear** electricity production in main activity producer electricity plants is available from 1983.

Transformation

- **Heat** and **electricity** consumption by military services is reported under *Other sectors - non-specified* for the first time in 2015. The change is due to the recent authorization to disseminate these data. Previously they were included under *Commercial and public services*.
- From 2014 data onwards, more data suppliers were involved in submitting energy data to the national administration, causing new autoproducer time series to appear for **geothermal** and **industrial waste** plants.
- In 2014 data, some CHP plants running on **solid biofuels** produced only heat and were reclassified to heat plants.
- The Hungarian administration reclassified some of their plants between 1996 and 2000, which may lead to breaks in the time series.
- Prior to 2000, electricity output from sub-bituminous coal is included with lignite.
- Data on electricity and heat production from **solid biofuels** in autoproducer CHP plants are available from 1995.
- Autoproducer electricity, CHP, and heat plants using coke oven gas and blast furnace gas were reclassified as main activity power plants in 1998.

Consumption

- Data for direct use of **solar thermal** heat are available from 2001 and from 1990 for **geothermal** heat.

Iceland

Source

National Energy Authority, Reykjavik.

General notes

- Iceland was unable to provide provisional data for 2017. These data have been estimated by the IEA Secretariat.
- Prior to 1970, final consumption includes inputs and outputs to heat production.
- The industrial classifications used by the Icelandic administration were changed in 1987.

Coal

General notes

- Hard coal data prior to 1978 may include sub-bituminous coal.

Consumption:

- Final consumption increased in 2000 as a new iron and steel plant came on-line.

Oil

General notes

- In 2014, the Icelandic administration revised petroleum coke data from 1990 to exclude imports of anodes for the aluminium industry.
- Oil supply and consumption data for 2008 and 2009 are estimated by the IEA Secretariat.

Biofuels and waste

General notes

- In the 2018 edition, supply and consumption of **solid biofuels** has been reported for the first time, with 2013 as the first year of data availability.

Consumption

- **Biodiesel** consumption data for 2014 are estimated by the Icelandic administration based on 2013.
- **Biogases** used for transport purposes were reported for the first time in 2007.

Electricity and heat

Supply

- The increase in **hydro** and **geothermal** electricity production from 2007 is due to the expansion of the aluminium industry.

Transformation

- For 2016, access to improved data revealed considerably better heat plant efficiencies than previously inferred, with increases in heat production seen during this period. The Icelandic administration plans to revise previous years' figures in succeeding editions.
- From 2013 data, the Hellisheidi **geothermal** power plant, previously reported under main activity electricity plant, was categorised as main activity CHP plant.
- Heat production from **municipal waste** is available from 1993 and stops in 2010.
- In 1998, 60 MW of generating capacity was installed in the **geothermal** CHP plant at Nesjavellir. Since the plant was inoperable for four months, production of **geothermal** heat decreased compared to 1997. The extra electricity capacity caused electricity production from **geothermal** to almost double over the same period.
- Electricity production from **geothermal** sources in main activity producer CHP plants is available from 1992.

Consumption

- Gross heat production from geothermal sources increased by 30% in 2016 from 2015. This is due to more accurate reporting from Reykjavik Energy about the temperature of delivered and returned water, rather than physical increases in supply or generation. Revisions to historical data may be forthcoming in future editions.
- In the 2015 edition, the **heat** consumption breakdown by sector for the years 1990 onwards has become available following reviews by the Icelandic administration. In addition, heat consumption was revised significantly upwards as more information became available. This has caused large breaks in time series across the heat balance between 1989 and 1990.
- Direct use of **geothermal** in the industrial sector is reported under *non-specified industry*, as the Icelandic administration decided not to estimate the allocation amongst the sub-sectors of industry.

- Revisions in direct use of **geothermal heat** starting in 2013 create breaks in time series between 2012 and 2013.
- **Electricity** consumption in *non-specified transport* includes consumption for ferries and cruise lines.
- Non-specified consumption of **electricity** within the energy sector refers mainly to the use of electricity by the **geothermal** industry to pump hot water from underground sources, and from 1991, also includes electricity used for the transport by pipeline of hot water from Nesjavellir to Reykjavik.
- The increase of **electricity** consumption in the construction sector from 2004 to 2007 is due to the drilling of tunnels for the Kárahnjúkar power plant.
- The consumption of **electricity** reported in *non-specified other* corresponds to a NATO base at Keflavik airport which closed in 2005.
- Prior to 1990, all **heat** for space heating was reported in residential.
- The residential sector includes agriculture prior to 1983.
- Prior to 1970, total final consumption includes inputs to and outputs from **heat** production and non-energy use. After 1970, data on inputs and outputs in CHP plants and in main activity producer heat plants (district heat plants) and for non-energy use are separately specified.

Ireland

Sources

Department of Communications, Energy and Natural Resources, Dublin.

Sustainable Energy Authority of Ireland, Cork.

Coal

General notes

- Due to confidentiality reasons, inputs of **anthracite**, **other bituminous coal** and **peat briquettes** for patent fuel transformation are reported with residential consumption, while production and consumption of **patent fuel** is not reported.
- Prior to 1990, any imports of **BKB** were included with imports of **peat products**, as is the case for consumption.

Supply

- Rainfall in 2012 led to the lowest **peat** harvest since IEA records began in 1960, requiring large stock drawdown and increased use of **biofuels** for electricity generation. In 2013, production targets were met before the end of the year however production continued in order to further build stocks to alleviate the potential impacts of future weather events.
- Low production of **peat** in 1985 was due to a poor “harvest”, due to an unusually wet summer.
- Production data for **peat products** (briquettes) are available from 1975.

Transformation

- A reclassification caused a break in the time series for peat consumption in the energy industry own use in BKB/peat product plants from 1989 to 1990.
- The production of gas works gas ceased in 1987 due to fuel switching to natural gas.
- Other bituminous coal inputs to main activity producer electricity plants increased from 1986 due to three new generating units at Moneypoint coming on-line.

Oil

General notes

- In the 2018 edition the Irish administration revised the methodology for reporting final consumption of oil products. This leads to some breaks in series between 2015 and 2016. Revisions to historical data are expected in the next edition.
- *From other sources - natural gas of other hydrocarbons* correspond to natural gas blended with refinery gas.
- For confidentiality reasons, inputs of **petroleum coke** into patent fuel transformation are reported with residential consumption.

Consumption

- In 2014, the drop of fuel oil consumption in non-metallic minerals sector is linked with the replacement of HFO boilers by natural gas boilers as the primary source of steam for alumina production.
- In 2013 and 2014, bitumen consumption data are not available and calculated as residual.

- Between 2008 and 2009, there is a break in time series for **gas/diesel oil**, **LPG**, **kerosene-type jet fuel** and **petroleum coke** due to a new methodology being applied to sectoral demand by Sustainable Energy Ireland (SEI). This change also explains breaks between 2006 and 2007 for **bitumen**, **lubricants**, **white spirit**, and **paraffin waxes**.
- Between 1989 and 1990, breaks in time series appear for consumption of **gas/diesel oil**, **LPG**, **other kerosene** and **fuel oil** as a result of a detailed consumption survey done for 1993. Data for historical years back to 1990 were revised by the national administration based on the results of this survey.
- From 1986, **gas/diesel oil** consumption in the agricultural sector is available.
- From 1970 to 1977, the split between commercial and public services and agricultural use of **other kerosene** has been estimated by the Secretariat. Consumption in commercial/public services includes quantities used by state-owned agricultural companies.

Natural gas

General notes

- Since April 2017 there is no gas storage facility in Ireland.

Supply

- Natural gas production has been increasing since 2015, as the Corrib Gas field began production at the end of that year.
- Since 1996, the increase in imports is due to the depletion of the Kinsale gas field and the availability of a new pipeline system to the United Kingdom.

Transformation

- Since 2006, a different methodology for allocating unsold steam from autoproducer CHP is used.
- *Non specified transformation* corresponds to natural gas blended with refinery gas.

Consumption

- In the 2018 edition, Irish administration revised industrial and commercial consumption in 2015 due to the reclassification of some consumers.
- In 2011 the increase in non-ferrous metals consumption is due to a fuel switch to natural gas.

- Since 2009, the disaggregation of consumption into all the industry sub sectors excluding non-ferrous metals is done according to data from the Census of Industrial Production (CIP). The last energy consumption data available from the CIP are from 2009 and therefore the 2009-2015 sub-sector breakdown is the same every year.
- In 2007 the increase in machinery consumption is due to changes in industry sub-sector structure and fuel usage.
- In 2004, there is a break in the time series in food, beverages and tobacco consumption due to a change in methodology.
- In 2003, feedstock use in the petrochemical industry stopped due to the shutdown of a fertiliser plant.
- In 2001, natural gas consumption in the iron and steel industry stopped due to the shutdown of Ireland's main steel plant.
- Prior to 1986, detailed consumption figures for the use of natural gas in industry and other sectors are not available.

Biofuels and waste

General notes

- Data for **municipal waste** are available from 2009.
- Data for **solid biofuels** and **biogases** are available from 1990.

Supply

- Due to increased demand from a second waste to energy electricity plant which began operation in 2017, production of **municipal waste** increased sharply.
- Prior to 2011, production and trade of **biogasoline** and **biodiesels** cannot be distinguished due to confidentiality issues.

Transformation

- Starting in 2016, the increase of electricity production of **solid biofuels** is a result of a decarbonisation programme and comes from a plant which is co-firing peat and biomass.
- In 2012 and 2013, the renewable fraction of tyre-derived fuel (12%) used by a cement plant was reported by the administration under **renewable municipal waste**; the non-renewable fraction (88%) was reported under **industrial waste**.

Consumption

- The Biofuels Obligation Scheme places an obligation on suppliers of mineral oil to ensure that 8.695% (by volume) of the **gas/diesel oil** they place on the market in Ireland is produced from renewable sources, e.g. **bioethanol** and **biodiesel**. The obligation was increased from the 1st January, 2017, from the previous level of 6.383%.
- Despite the Biofuels Obligation Scheme, **bioethanol** consumption decreased in 2017 because there was a reduction in overall motor gasoline use and of fuel tourism.
- Increases in **biodiesel** consumption in 2017 are related to the Biofuels Obligation Scheme and to increases in road freight, which is heavily dependent on **diesel oil**.
- The consumption of pure **biodiesel** in the industry sector and in road transport refers to one site, which is no longer in operation since 2014.

Electricity and heat

Supply

- Electricity production from **wind** begins in 1992 and from **biogases** in 1996.

Transformation

- In the 2016 edition, revisions were introduced in the **electricity** generation by fuel from 2010 due to improved data available from the transmission system operator.
- In 2015, a new combined cycle gas turbine plant began commercial operations at Great Island power station, replacing the existing heavy fuel oil power plant.
- In 2012, a new main activity electricity plant burning **municipal waste** (the Meath plant) started operation.
- In 2011, very little electricity was produced from **pumped hydro** following Turlough Hill, Ireland's pumped storage station, being taken offline in late 2010 up until February 2012. The 2011 values appear as zero due to rounding.
- From 1984 to 1989, inputs of **hard coal** in auto-producer CHP plants have been estimated by the Secretariat.

Consumption

- In 2004, the increase of **electricity** consumption is due to the new light rail transit system in Dublin.

- The decrease of **electricity** consumption in the iron and steel industry from 2001 onwards is due to Ireland's main steel plant ceasing production.
- Prior to 1990, **electricity** consumption in agriculture is included with residential.
- **Electricity** consumption in the iron and steel industry includes consumption in the non-ferrous metals industry prior to 1990.
- Data for direct use of **geothermal heat** and **solar thermal heat** are available from 1989 and 1990, respectively.

Israel

Source

Israel Central Bureau of Statistics, Jerusalem.

General notes

- Data are available starting in 1971.
- The statistical data for Israel are supplied by and under the responsibility of the relevant Israeli administration. The use of such data by the OECD and/or the IEA is without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.
- Due to the unavailability of data for certain fuels, IEA estimations are also present in Israel data. In particular this is valid for oil data in 2014 and 2015, **natural gas** data from 2012 onwards, **renewables and waste** data in 2013.

Coal

Supply

- Due to confidentiality constraints, imports of **other bituminous coal** have been estimated by the IEA Secretariat for 2016.

Oil

General notes

- Oil data for 2013 to 2016 have been revised based on Israel's national energy balance. As a result, breaks in time series may appear between 2012 and 2013. Israel's national energy balance aggregates bitumen, petroleum coke and other oil products. The split of these products was estimated by the IEA secretariat for all flows. The split of refinery output between jet kerosene and other

kerosene was also estimated by the IEA Secretariat, as was the sectoral breakdown of consumption of liquefied petroleum gases.

- Supply and consumption of kerosene type jet fuel for 2011 and 2012 have been estimated by the IEA Secretariat.
- From 2007 to 2009, oil data are estimated by the IEA Secretariat based on information from the Ministry of National Infrastructures.

Supply

- From 2010 onwards, white spirit is included in other products.

Consumption

- From 2013, consumption data are based on a new and detailed classification system and on estimations made by the Israeli administration.

Natural gas

General notes

- From 2012, all natural gas data, except inputs to electricity production, have been estimated by the IEA Secretariat.
- For the 2018 edition, gas data have been revised back to 2013 based on a publication by the Israeli Natural Gas Authority. As a result, breaks in time series appear between 2012 and 2013. More specifically, this revision impacted oil refineries, the *industry* sector and *other* sectors. Finally, all *industry* is categorised as *non-specified industry* and all *other* sectors as *non-specified other*, because no disaggregation is available.

Supply

- Imports of natural gas began in 2008.

Transformation

- In the 2017 edition, the Israeli administration revised transformation data back to 2013, introducing breaks in the series between 2012 and 2013.
- In the 2018 edition the 2016 data for inputs to electricity production were estimated by the IEA Secretariat.

Biofuels and waste

General notes

- In the 2018 edition, data on imports and consumption of **charcoal** were estimated since 1992

using data from the Forestry Production and Trade database from the Food and Agriculture Organization of the United Nations.

Electricity and heat

Supply

- Electricity production from **wind** begins in 2001.
- Autoproducer electricity generation from chemical heat (production of sulfuric acid) occurs, but is not reported separately or included elsewhere in national totals.

Transformation

- For 2016 data, due to confidentiality reasons, electricity production reported under **solar PV** auto-producer electricity plants includes **hydro** and **wind** electricity generation.
- For 2013 and 2014, **other oil products** inputs to autoproducer electricity plants were estimated by the IEA Secretariat.

Consumption

- Since the 2017 edition, **solar thermal** production and direct consumption were revised, and are now estimated by the IEA Secretariat from 2012 onwards, using data published in the IEA-Solar Heating and Cooling Programme Annual Report. These estimations may create breaks in time series between 2011 and 2012.
- For 2013, 2015 and 2016, the split of **electricity** consumption in industry is estimated by the IEA Secretariat.
- **Electricity** own use, as well as transmission and distribution losses were estimated by the IEA Secretariat from 2010 to 2012.

Italy

Sources

Ministry of Economic Development, Rome.

Terna, Rome.

General note

- A change in methodology lead to breaks in time series for industry and transformation between 2003 and 2004.

Coal

General notes

- The increase in production of **coke oven gas** in 2012 was the consequence of improvements in scope of reporting. As such, coke oven gas data in prior years should be viewed as under-representing production and consumption, and coke oven efficiencies will likewise appear lower than actual.
- Due to a change in the survey system, breaks in time series may occur between 1997 and 1998 for final consumption.
- From 1986 onwards, figures from **lignite** are given using the same methodology as in the *Bilancio Energetico Nazionale*.

Supply

- In the 2018 edition, production of **coke oven coke**, **coke oven gas**, **coal tar** and **other recovered gases** was revised back to 2014 due to new available information. The revisions increased efficiencies of coke ovens and blast furnaces and led to breaks between 2013 and 2014.
- **Other bituminous coal** production ceased in 2016 due to the closure of the one coal mine in 2015.

Transformation

- Breaks in the time series between 2014 and 2015 for **coke oven gas**, **blast furnace gas** and **other recovered gases** are due to a reclassification of main activity producers and autoproducers.
- Prior to 2009, sub-bituminous coal used in main activity electricity plants was included with other bituminous coal consumption.
- For data since 2001, calorific values for imports of **other bituminous coal** and **sub-bituminous coal** are derived from inputs to main activity electricity generation.

Consumption

- In 1991, all industrial activities were reclassified on the basis of ISTAT/NACE 91. This has implied some transfers of activities which may result in some anomalies between 1991 and earlier years.

Oil

General notes

- For **crude oil**, statistical difference may arise as trade corresponding to stock held for Austria and Germany in the Port of Trieste are not included.

- Inputs to electricity and heat generation have been estimated by the IEA Secretariat for the years 1984 to 1997 based on submissions of the Electricity and heat Questionnaire. All other data for the years 1992 to 1997 and the detailed consumption breakdown for other years have been estimated by the IEA Secretariat based on *Bilancio Energetico Nazionale*.

Supply

- In 2016 and 2017, the closure of the Val d'Agri oil centre lasting several months led to a decrease in production of **crude oil**.
- From 2009 onwards, transfers of **lubricants** could not be disaggregated from refinery output data.
- From 2004 onwards, increased production of **non-specified oil** products is due to methodological changes.
- A new survey to determine the split between international marine bunkers and domestic navigation caused a break in time series for **gas/diesel oil** in 1999 and **fuel oil** in 1996.

Consumption

- For **gas/diesel oil**, non-specified use is included in commercial/public services.
- Between 1998 and 1999, due to new surveys, breaks appear in the consumption time series.

Natural gas

Transformation

- Prior to 2008, inputs of natural gas to all heat production in industry were reported in final consumption.
- Between 2003 and 2004 there are breaks in time series in industry and transformation due to a new data reporting methodology
- From 2000 to 2002, for confidentiality reasons, autoproducers are included in main activity producer plants.
- In 1996 the production of gas works gas from natural gas ceased.

Consumption

- In the 2018 edition, Italian administration estimated the split of the energy sector. These figures will be revised in the next edition.
- Since 2007, a more detailed breakdown of consumption for *energy industry own use* is available.

Biofuels and waste

Supply

- **Biogasoline** includes **bio-ETBE**.
- From 2014, a distinction between trade and production became available for **other liquid biofuels**.

Transformation

- In 2008, data for **biofuels and waste** were reclassified, which results in several breaks in the time series for transformation.

Consumption

- The final consumption of **biogas** has been constant from 2013 to 2015, as these figures are the result of a survey which is not carried out annually. Figures are expected to be revised after the next survey.
- In the 2016 edition, the methodology used to calculate **solid biofuels** consumption in the residential sector for 2002 to 2014 was updated and this created a break in time series between 2001 and 2002. This also affects the indigenous production of **solid biofuels**. The revisions were limited backwards to 2002 because of reliability issues.

Electricity and heat

Supply

- The production of electricity reported in the category *other fuel sources* refers to electricity produced from turbines which are located at pressure drops in fluid transport.
- The methodology of data collection for **photovoltaic** electricity production changed in 2009 and the distinction between main activity and autoproducer plants could not be determined, causing a break in the time series.
- **Electricity** trade with Malta commenced in 2015, following the opening of the Malta-Sicily interconnector submarine power cable in the same year.

Transformation

- In 2016, the decline in autoproducer electricity generation and sold heat production by oil refineries is partly due to the activities of these units being split off and reclassified as main activity enterprises.
- The methodology of data collection for the **geothermal** sector changed in 2010, causing a break in time series between 2009 and 2010.

- Prior to 2009, sub-bituminous coal used in main activity electricity plants was included under other bituminous coal.
- With the introduction of a new survey in 2008, amounts of naphtha and other kerosene that were previously included in *other oil products* have been reported separately in autoproducer CHP plants.
- Prior to 2004, electricity production from orimulsion is confidential and is included with fuel oil.
- Heat production is reported starting in 2004 and includes self-generation in industry.
- From 2000 onwards, the Italian administration defines electricity and heat production from autoproducers as generation from producers that consume more than 70% of their own electricity production. However, for the 2000 to 2002 period, all electricity production from autoproducers is reported with main activity producers.
- The breakdown of renewables and waste inputs into electricity, heat and CHP plants is available from 1989 only. Prior to that year, the total of the different fuels involved is reported as non-specified renewables.
- Prior to 1984, net electricity production by autoproducers includes production from combustible fuel sources only.

Consumption

- *Non specified energy industry own use* includes electricity consumption for blast furnaces. From 2000, it also includes consumption for the distribution of gas and prior to 1989 consumption for uranium extraction.
- The breakdown of heat consumption by sector is estimated by the Italian administration.
- Revisions of the final consumption of **heat** by the Italian administration led to breaks between 2010 and 2011.
- From 1981, consumption of electricity in transport includes electricity used for pumping in oil pipelines.

Japan

Source

The Institute of Energy Economics Japan, Tokyo.

General notes

- In the 2018 edition, data for Japan were revised back to 1990 based on new methodology. Additional details are given under each fuel.
- From 1990, data are reported on a fiscal year basis (e.g. April 2015 to March 2016 for 2015).
- In the 2018 edition, Japan revised their data back to 1990 based on new methodology in all questionnaires.
- Consumption data for commercial/public services may include consumption in small and medium-sized industries. The Japanese administration expects that this shortcoming will be corrected in the near future.

Coal

General notes

- **Other bituminous coal** includes sub-bituminous coal.
- The net calorific values for **coal** and **coal products** have been recalculated by the IEA Secretariat based upon gross values submitted by Japan.
- In the 2018 edition, imports of **other bituminous coal** and **coking coal** –by partner country - have been estimated by the IEA Secretariat for data from 1990 to 2016, based on customs data and total imports by coal type.
- **Hard coal** data prior to 1978 may include sub-bituminous coal.

Supply

- Statistical differences for **hard coal** include stock changes since 2001. Large positive differences for several years since 2004 are partly due to stock build by final consumers.

Transformation

- The inputs of **coke oven coke** to blast furnaces as well as the final consumption of **coke oven coke** in the iron and steel industry have been estimated by the IEA Secretariat since 1990.
- From 1998, inputs of **coke oven gas**, **blast furnace gas** and **other recovered gases** into autoproducer electricity plants include the amount used to produce electricity with TRT technology (Top pressure Recovery Turbines) which was previously included in industry.

- Inputs of manufactured gases (**coke oven gas**, **blast furnace gas** and **other recovered gases**) to main activity electricity and heat plants are calculated based on outputs and using efficiencies of main activity producers from other fuels. For auto-producers, the specific inputs are known, however the specific electricity production by each gas is estimated based on a pro-rata of the total electricity generation from all gas types.
- Coal injected in blast furnaces (PCI) is classified as **coking coal** in order to be consistent with Japanese trade statistics.

Oil

General notes

- In the 2018 edition, data for Japan were revised back to 1990 by the Japanese administration based on new methodology for the Energy Balance Table.
- In the 2016 edition, the Japanese administration revised several NCVs of both primary and secondary **oil products** back to 1990. The Japanese administration reviews calorific values every five years, with the other most recent revisions occurring in 2005 and in 2013.

Supply

- The high statistical difference for **crude oil** in 2013 and 2014 is explained by large amount of stocks held on board incoming vessels in port or at mooring in March 2014 (end of Japan's 2013 financial year). These amounts are included in the stock change but not in the imports in 2013 annual data.
- Orimulsion was imported for electricity generation between 1991 and 2006.

Transformation

- Other hydrocarbons in *non-specified transformation* represents orimulsion burnt for power generation. Historical revisions are pending.

Consumption

- Road consumption, is based on the "Automobile fuel consumption survey" from the Ministry of Land, Infrastructure, Transport and Tourism (MLIT).
- **Lubricants** consumption is estimated by the Japanese administration since 2000.

Natural gas

General notes

- The 2018 edition contains major revisions to time series which go back to 1990. These have occurred as the result of a change in the statistical methodology implemented in November 2017.
- Since 1990 most of the gas works gas production and consumption has been included with natural gas.

Supply

- In the 2018 edition, receipts from other sources, import data, stock changes and stock levels were revised back to 1990.

Transformation

- In the 2018 edition, main activity and auto-producer electricity plants were revised back to 1990. Similarly, flows of the energy sector were revised back up to 1990.
- In 2017 edition, the Japanese administration revised transformation data for the period 1990-1999.

Consumption

- In the 2018 edition, all the industry flows and other sectors flows were revised back to 1990 and the transport sector back to 2011.

Biofuels and waste

General notes

- There was a large revision in **municipal waste** data in the 2016 edition of this publication. This revision has removed data for **municipal waste** for the entire time series up to 2010.
- For **municipal waste** data, the breakdown between renewable and non-renewable **municipal waste** is estimated by the IEA Secretariat, assuming a 50% split in transformation and supply.

Transformation

- Input data of **solid biofuels** to charcoal production are estimated by the IEA Secretariat assuming an efficiency of 40%.
- The **industrial waste** consumption in the *non-specified transformation* sector surged in 2013, because of the increase in use of waste plastics for coke production.

Electricity and heat

Supply

- Generation of electricity and heat from combustible fuels is calculated by removing electricity and heat generation from other sources, such as wind, solar and nuclear, making it a residual item. Splits between combustible fuel types and consumption flows are also calculated.
- Large increases in 2016 of main activity electricity generation from solar PV and wind are due to reclassification from autoproducer status after liberalisation of the Japanese power market in April 2016.
- For 2017, electricity production from **wind** has been estimated by the IEA Secretariat.
- Due to the events related to the March 2011 tsunami, the Japanese administration decided to scale back the level of their **nuclear** programme. As a consequence, there was no nuclear electricity generation in 2014. The nuclear electricity generation started again at a greatly reduced scale in 2015, while a significant increase was observed in 2017, with generation resuming at four facilities (Takahama 3 and 4, Ooi 3, and Genkai 3).
- Other sources electricity represents electricity generated with purchased steam. Other sources heat represents heat derived from waste heat.
- Net and Gross electricity generation from autoproducers equal, as no information is collected concerning autoproducer own use.
- The Japanese administration estimate the electricity input of **electric boilers** based on 100% efficiency.
- Autoproducer **solar photovoltaic** capacity is derived from data from the Japanese administration as well as the IEA Photovoltaic Power Systems Programme (IEA-PVPS) report, “Trends in Photovoltaic Applications” published in 2017.
- Data on electricity production from **wind** began in 1992.
- Heat produced for sale in main activity producer heat plants from **waste heat** and from **electric boilers** is available from 1977 and 1983, respectively.

Transformation

- **Electricity** production from **pumped storage** includes production from both mixed hydro and pure pumped storage.

- Data on **heat** produced for sale by autoproducer heat plants are not available.
- Fuels used and corresponding electricity and heat produced in CHP plants are not included in the CHP data time series, but instead are reported as separate **electricity** or **heat** components, leading to some plant efficiency figures not to be accurately calculated.
- Inputs of **biofuels and waste** for electricity production and related outputs are available from 1982.
- Net electricity production by autoproducers prior to 1982 includes production from **combustible fuel** sources only.
- Between 1972 and 1976, the use of **combustible fuels** in main activity producer heat plants is included in non-specified.

Consumption

- Consumption of **electricity** in *non-specified industry* includes wood and wood products and construction prior to 1982.

Korea

Sources

Korea Energy Economics Institute, Ulsan.

Korea National Oil Corporation, Ulsan.

General notes

- Data are available starting in 1971.
- Data for 2002 onwards have been reported on a different basis, causing breaks in time series between 2001 and 2002, especially for inputs and outputs to electricity generation and consumption in the iron and steel industry. The Korean administration is planning to revise the historical time series as time and resources allow.

Coal

General notes

- Data for **coal** and **coal products** from 1971 to 2001 are based on information provided by the Korean administration, as well as information from the *Yearbook of Energy Statistics 2002*, the *Yearbook of Coal Statistics 2001* (both from the Ministry of Commerce, Industry and Energy), and

Statistics of Electric Power in Korea 2001 (from the Korea Electric Power Corporation). During this period, import data by coal type were estimated by the IEA Secretariat, based on statistics of the exporting countries.

- **Hard coal** data prior to 1978 may include **sub-bituminous coal**.

Transformation

- Statistical differences for **manufactured gases** for 2012 are partly the result of classification issues. The Korean administration is working to improve reporting of coal-derived gases production and consumption.

Consumption

- Data on **blast furnace gas** used for energy purposes in blast furnaces prior to 2007 are reported in the iron and steel industry.
- Consumption of imported **coke oven coke** starting in 2002 is reported under *non-specified industry*.
- Consumption of **manufactured gases** in the iron and steel industry starting in 2002 includes the consumption in blast furnaces, oxygen steel furnaces and other iron and steel processing plants.

Oil

Consumption

- Inputs of **fuel oil** to autoproducer electricity and autoproducer CHP are included with final consumption.

Natural gas

Supply

- Korea reports production of natural gas since 2005. The production is decreasing and the reservoir is expected to be depleted by the end of 2017.

Consumption

- Energy industry own use in liquefaction plants includes losses and measuring errors.
- Prior to 2007, consumption of natural gas in machinery was included with transport equipment.
- From 1987 to 1991, the breakdown of final consumption has been estimated by the IEA Secretariat, as well as the residential subsector for 1992.

Biofuels and waste

General notes

- Due to the change of reporting methodology, breaks in time series may occur between 2013-2014 and 2014-2015.
- Electricity statistics from 1971 to 1993 have been estimated by the IEA Secretariat based on the Korean National Statistics. Data from 1994 have been submitted by the Korean administration. This leads to breaks in time series between 1993 and 1994.
- Heat data are available starting in 1993.

Transformation

- Inputs to *autoproducer* heat plants have been estimated by the IEA Secretariat because of efficiency issues for municipal waste prior to 2011 and in 2012 and for biogas in 2008, 2011 and 2012.
- New plants were included in the Korean survey creating breaks in time series in 2011.
- In 2007, some main activity heat plants and autoproducers in the commercial/public services sector were reclassified as main activity CHP plants, resulting in a break in the time series between 2006 and 2007 for **biogases**.

Electricity and heat

Supply

- The own use of **heat** in heat plants is very irregular due to a lack of data.
- Electricity generation reported under *other sources* is from fuel cells.
- Production of electricity from **tides** began in 2013.
- Data for **heat from chemical processes** that is sold is available from 2008.
- Data for electricity production using **heat from chemical processes** in copper and zinc plants is available from 2005. The corresponding heat inputs were estimated until 2013 data. In 2014 the corresponding company switched to diesel oil for electricity generation.

Transformation

- Some data discrepancies currently exist for **residual fuel oil**, between the oil databases and the electricity and heat databases. The Korean administration envisages remedying this situation next year.

- Prior to 2009, autoproducer **heat** production includes amounts of unsold heat.
- Data for electricity and heat production by autoproducers using **natural gas** and **liquid fuels** are available from 2000.
- In 2000, the Korean administration started to report **heat** statistics for some heat plants which were not reported before.
- Between 1993 and 1999, the breakdown of **heat** output by type of fuel was estimated by the IEA Secretariat.
- Before 1994, **electricity** production from main activity producer CHP plants is included with main activity producer electricity only plants.

Consumption

- Data for direct use of **geothermal heat** are available from 2002. **Geothermal** direct use data are overstated as it refers to heat production by geothermal heat pumps, which include inputs of electricity and/or gas in the transformation process.
- **Heat** consumption by subsector was reclassified in 2010 due to new information available on heat sales from autoproducers to end-users by sector.
- Prior to 2008, sales of **electricity** by Korea's main electricity distributor, KEPCO, to the non-ferrous metals sector are included in iron and steel consumption.
- Data on production and consumption of **electricity** and **heat** in oil refineries and LNG liquefaction/regasification plants are included in the industry sector. From 2007, oil refinery **electricity** and **heat** production and consumption started to be reported under the correct energy sector.
- Data for **heat** consumption by sector are available from 2000.
- Data for **electricity** consumption in the transport equipment sector are included in machinery from 1994 to 1999.

Latvia

Source

Central Statistical Bureau, Riga.

General notes

- Data for Latvia are available starting in 1990. Prior to that, they are included in Former Soviet Union in the publication *World Energy Statistics*.

Coal

Supply

- The increase of distribution losses for **peat** in 2003 is due to a fire in one of the warehouses.

Consumption

- The drop in the iron and steel industry in 2014 is due to the bankruptcy of the major company in the market.

Oil

Supply

- **Other hydrocarbons** data represent shale oil.

Natural gas

Consumption

- The consumption in the iron and steel industry decreased in 2014 due to the bankruptcy of the major company in the market.

Biofuels and waste

Transformation

- Due to a reclassification in 2004, there was break in time series of electricity production from autoproducer electricity plant fuelled by biogas between 2003 and 2004.

Consumption

- The increase in supply for **solid biofuels** from 2016 to 2017 is due to increased usage in the industry sector.
- From 2014, **biodiesel** consumption has been decreasing due to policies which support the sale of arctic diesel fuel without renewable additives.

Electricity and heat

Transformation

- From 2012 onwards, the increase in electricity production from **solid biofuels** is due to the deployment of six new main activity producer CHP plants running on wood chips.

Consumption

- For 2012, the increase in electricity consumption in the iron and steel sector is due to switching from open earth furnace to electricity furnace of a factory.

Luxembourg

Source

STATEC, Institut national de la statistique et des études économiques du Grand-Duché du Luxembourg, Luxembourg.

Coal

General notes

- For the 2011 edition, the Luxembourgian administration revised the time series from 2000 for most **coal** and coal products. Time series for **BKB** consumption were revised from 1990.
- Prior to 1978, some **sub-bituminous coal** may be included in **hard coal**.
- Steel production from blast furnaces ceased at the end of 1997.

Oil

Consumption

- In the late 1970s, the reduction in consumption of **fuel oil** in the iron and steel industry was due to substitution by coal.

Natural gas

General notes

- In 1982 there is a break in the time series in transformation and industry due to a change in methodology.

Transformation

- In the 2017 edition a main CHP plant was reclassified as one main electricity plant and one main heat plant. Data were revised back to 2014.
- Since 2002, the increase in the transformation sector is due to a new 350-MW combined cycle power plant.

Consumption

- In 2015, Luxembourg integrated supplementary data from ETS companies and industrial consumption was revised back to the year 2000.
- The breakdown of total final consumption for the latest year is preliminary and will be finalised in the next edition of the book.

- Since 2012, the methodology to determine final consumption was changed in order to integrate basic data from National Accounts.
- Since 2000, a more detailed breakdown of final consumption data is available due to a change in methodology.
- Since 2000, consumption in the non-ferrous metals sub-sector is included in iron and steel for reasons of confidentiality.
- Since 2000 consumption in not elsewhere specified (Industry) includes activity of companies reclassified to preserve the confidentiality.
- Prior to 2000, residential consumption includes consumption in commercial/public services and agriculture/forestry.

Biofuels and waste

General notes

- The Luxembourgian administration started including trade figure of wood chips in trade figure of **solid biofuels** from 2015 data. This creates breaks in time series between 2014 and 2015.
- Data on **solid biofuels** are available from 1992.

Transformation

- In 2011, the blending of **biogases** with **natural gas** started.

Electricity and heat

General notes

- Data for **solar thermal** are available starting in 2001 and for **solar PV** starting in 2000.
- A revision in the classification of power plants by type and the production and consumption data for both **electricity** and **heat** back to 2000 causes breaks in the time series.

Supply

- Most of the **hydro** production shown for Luxembourg is from the Vianden pumped storage plant and is exported directly to Germany.
- Starting in 2005, data for **electricity** transmission and distribution losses were obtained from the network operator. Prior to that, they were estimated by the Luxembourgian administration.

- In the 2017 edition, following plant reclassification, **heat** production by main activity plants were revised from 2011 onwards.

Transformation

- Luxembourg's natural gas fired, main activity electricity plant closed for the majority of 2016 for economic reasons.
- The production of electricity from **solid biofuels** from 2013 corresponds to the opening of a new plant burning wood wastes.
- Data on electricity production from biogases are available from 1998 and heat production from 2010.
- In 2002, the increase in electricity production is due to a new **natural gas** combined cycle power plant.
- At the end of 1997, the iron and steel industry stopped production of **electricity**.
- Electricity data for **natural gas** autoproducer CHP plants are available starting in 1995, and for main activity CHP plants starting in 1996.
- Prior to 1990, **net electricity** production by autoproducers includes production from combustible fuel sources only.

Consumption

- In 2015, the observed declines in the **heat** used in the textiles and leather sector and the chemical and petrochemical sector lead to the closure of two industrial main CHP plants. The heating needs of these sectors were met through direct purchase of natural gas, due in part to attractive pricing during this period.
- In 2015, following the procurement of new information, data for **heat** distribution losses and **heat** consumption in industry and energy sectors were revised from 2000 onwards.
- A change in the data source caused some breaks in the industry **electricity** consumption time series between 2010 and 2011.
- The breakdown of **electricity** consumption in industry is not available from 1990 to 1999.

Mexico

Source

Secretaría de Energía, Mexico City.

General notes

- Data are available starting in 1971.
- The Mexican administration submitted data directly by questionnaire for the first time with 1992 data. As a result, some breaks in time series may occur between 1991 and 1992. For prior years, data are partly estimated based on the publication *Balance Nacional - Energía*.
- In the 2016 edition, the Mexican administration completed a major work on revisions of the time series back to 1990. More revisions to historical data are pending.

Coal

General notes

- The Mexican administration is currently undertaking major work on revisions of the time series back to 1990. For several products, revisions back to 2003 were provided in the 2016 edition. Further revisions to historical data are pending.
- The time series for **blast furnace gas** and inputs of **coke oven coke** to blast furnaces start in 1991.
- **Hard coal** data prior to 1978 may include **sub-bituminous coal**.

Consumption

- Use of pulverised coal injection in blast furnaces occurs in Mexico, but is not currently reported.
- Oxygen steel furnace gas production and production of other **other recovered gases** occur as by-products of heavy industry, but are not reported.

IEA estimations

- Imports by country of origin for other **bituminous coal** and **coking coal** for 2016 have been estimated by the IEA Secretariat, based on partner data.
- For **coking coal**, amounts reported for consumption in main activity electricity generation and associated imports for the years 2003 to 2016 have been reallocated to **other bituminous coal** by the IEA Secretariat.
- **Blast furnace gas** production and consumption have been estimated by the IEA for 1990 to 2016 based on inputs of **coke oven coke** to blast furnaces.
- **Coke oven coke** production was estimated by the IEA for some years between 1999 and 2012 based

off historical and commodities data, as were inputs of **coking coal** to coke ovens between 1990 and 2012.

- The methodology currently used by Mexico to estimate production of **coal tar** and **coke oven gas** for recent years uses **coke oven coke** production as a guide. This was extended to the time series from 1990 to 2001, and to the years where **coke oven coke** production was estimated by the IEA.

Oil

General notes

- In the 2016 edition, major revisions were carried by the Ministry of Energy on the time series back to 1990 based on updated information available from PEMEX, the Mexican Institute of Petroleum and the Federal Electricity Commission (CFE). Revisions include notably crude production, refinery output, gas separation plant production, autoproducer generation and road consumption.
- New data reported as **additives** from 1990 correspond to methyl tertiary butyl ether.
- From 1993, data for production *from other sources (natural gas)* of **other hydrocarbons** correspond to hydrogen used at the Minatitlan refinery, also represented as the output of *non-specified transformation* in the balances format.
- The split between domestic and international aviation consumption of **kerosene-type jet fuel** is not available. By default, all **kerosene-type jet fuel** consumption is reported under international aviation.

Supply

- In the 2018 edition, trade information is based on daily customs data now available to the Ministry of Energy. Historical revisions are pending.
- For 2017, production of **crude oil** and **NGL** was impacted by heavy maintenance at the Ku-Maloob-Zaap field.
- The large refinery losses from 2005 onwards are the result of the downward revisions to refinery output of **gas/diesel oil** carried out in 2017.
- **NGL** production reported in the IEA publications may be different from what is reported in the Mexican energy publications as the IEA includes in its oil data liquids produced in conjunction with natural gas.
- In the 2016 edition, **crude oil** production was revised from 2000 to 2004 based on updated information from PEMEX.

- In the 2016 edition, main revisions were carried to **NGL, LPG, naphtha, ethane** supply. New data became available on input of NGL to refineries prior to 2011. Data on ethane production from gas separation plants (positive transfers from NGL) was revised upwards for 1990 to 1998. LPG gas separation plant production was revised down. Naphtha refinery output was revised upwards from 1990.

Transformation

- For several months in 2017, the Salina Cruz refinery was under extensive maintenance.
- In the 2016 edition, data for crude oil refinery input and refinery output of **gas/diesel, naphtha, refinery gas, bitumen, paraffin wax** and **other products** were revised back to 1990 (see general notes).
- Data for **fuel oil** and **gas/diesel** inputs to autoproducer CHP generation are available from 1999.
- In 2003, a new facility was added to a refinery to produce **petroleum coke**.

Consumption

- Consumption of **motor gasoline** and **road diesel** was impacted by changes to fuel subsidies introduced on January 1, 2017.
- In the 2016 edition, **naphtha** non-energy use consumption in the chemical/industry was revised significantly revised down from 1990 to 2008 based on PEMEX information.
- In the 2016 edition, **gas/diesel** and **motor gasoline** road consumption data were revised back to 1990 based on updated information from the Mexican Institute of Petroleum and PEMEX.
- Consumption of **lubricants, bitumen** and **paraffin waxes** are available from 1990 and **petroleum coke** from 1993.
- Prior to 1987, the split of **LPG** consumption between residential and commercial/public services has been estimated by the IEA Secretariat.

Natural gas

General notes

- **Natural gas** reported in the IEA publications may be different from what is reported in the Mexican energy publications, as IEA includes only dry gas and excludes natural gas liquids, which are considered as part of oil.

Transformation

- The split of natural gas used for hydrogen manufacture and used in refineries is not currently available and it will be provided in the 2019 edition of this publication.

Consumption

- Losses and pipeline transport have been included in oil and gas extraction.
- From 1993 to 1999, part of energy industry own use and *non-specified industry* data were estimated.
- Since 1993, the breakdown of the energy sector and of other sectors is available.

Biofuels and waste

Supply

- Data for **bagasse** production are available from 2008.

Consumption

- Data for **solid biofuels** used in autoproducer electricity plants from 1991 to 2005 have been estimated by the Mexican administration.
- Data on **biogases** consumption are available from 1997.

Electricity and heat

General notes

- The Mexican administration is currently undertaking revisions of the **electricity** time series back to 1996. Revisions include changes on inputs and outputs on power plants fuelled mainly by **combustible fuels** and the reclassification of main electricity plants previously reporting **sub-bituminous coal** as fuel to **other bituminous coal** for the period 2003-2015.

Supply

- Production of main activity producer electricity plants from **wind** is available from 1994.
- Electricity production from **wind** and **solar photovoltaic** is available from 1990.
- Discrepancies occur between respective reported figures for electricity trade between the US and Mexico for the years 2013 to 2016.

Transformation

- New autoproducer electricity plants fuelled with **coke oven gases** were put on-line in 1999.
- Electricity production from **solid biofuels** and **biogases** data are available respectively from 1991 and 1997.

Consumption

- Some electricity consumption in energy industry is included in the industry sub-sector where it was generated (e.g. the chemical industry, as well as in *non-specified industry*).
- Direct use of **solar thermal** heat is available from 1990.

Netherlands

Source

The Netherlands Central Bureau of Statistics, The Hague.

General notes

- The Netherlands Central Bureau of Statistics has conducted reviews and revisions of their energy balance three times; in 2005, 2011 and 2015. The 2005 revisions were to improve basic energy statistics, particularly with respect to carbon and CO₂ reporting, while the 2011 revisions were part of a harmonization program with international energy statistics. The 2015 revisions were the result of increased data collection, availability of new source information, and further alignment with international energy definitions. More details are available here: www.cbs.nl.

Coal

General notes

- International trade into and through the hub ports of Amsterdam and Rotterdam is complicated by the capacity to purchase coal directly at these points. The majority of coal passing through these ports is intended for consumption in European countries other than the Netherlands, which is neither the country of origin or destination, therefore these data have been removed where possible.
- Following revisions made in the previous edition to data for 1995 onwards, this edition includes

further revisions made by the Dutch administration for the period 1990 to 1994. These revisions are the result of increased data collection, availability of new source information, and further alignment with international energy standards.

Supply

- From 2013 onwards, trade reported by the Central Bureau of Statistics includes **coal** in transit, to align more closely with gross trade data.
- In the 2013 edition, non-specified exports for 2011 were estimated by the Central Bureau of Statistics due to a lack of information from key market players.
- For data prior to 2011, stock changes for primary coal types were estimated by the Dutch administration based on trade and consumption data.
- For 1984 to 1986, production *from other sources* of **other bituminous coal** represents a stock of “smalls” washed for re-use.

Transformation

- At the end of 2015 three low-efficiency plants running on bituminous coal input closed down. These closures were part of the so-called Agreement on Energy for Sustainable Growth in the Netherlands agreed upon by the Social and Economic Council of the Netherlands (SER) and more than forty representative organisations and stakeholders.

Consumption

- Prior to 1989, non-energy use is included with industry consumption.

Oil

General notes

- For 2017 data, large amounts of fuel oil were re-classified as other products due to their chemical properties.
- Data for gas/diesel road consumption become more difficult to collect in 2013, as the distinction in taxation between road diesel and gasoil was abolished.
- Following revisions made in the previous edition to data for 1995 onwards, this edition includes further revisions made by the Dutch administration for the period 1990 to 1994. These revisions are

the result of increased data collection, availability of new source information, and further alignment with international energy definitions

- Motor gasoline includes other light oils until 1990.
- Some breaks in time series occur in 1990 when the Dutch administration started to report the petrochemical industry according to IEA methodology.
- From 1990 onwards, naphtha includes aromatics, naphtha and other light oils.

Consumption

- In the 2018 edition, the Dutch administration made adjustments to gross inland deliveries to the petrochemical sector going back to 1990.
- Refinery gas includes chemical gas and is included in chemical industry consumption.

Natural gas

General notes

- In the 2018 edition, the Dutch administration revised the supply side data for 1990-2016 in order to (i) better account for flows from underground storages which used to be incorporated in the production data, and also (ii) handle inflows/outflows of gas stored in Germany as imports/exports. The revision also included updated figures on natural gas receipts from other sources oil and on stock levels.
- Between 1981 and 1982, and between 1983 and 1984 there are breaks in time series due to the introduction of more comprehensive surveys on end-use consumption.

Supply

- A production cap of natural gas was set by the government in 2015, which has been extended and gradually tightened for 2016 and 2017. Dutch trade figures include transit volumes.
- In the past, the amounts reported under production also included quantities coming from stock changes. The reason was that the Dutch administration could not distinguish between quantities of **natural gas** falling under marketable production and amounts being moved from offshore fields to onshore fields without undergoing any purification and/or other necessary production processes. From 2015, the data reported distinguish between amounts to be reported as production and amounts that should be classified as stock changes.

Transformation

- Data for *non-specified (energy own-use)* represent natural gas combusted by the distribution operator for the purpose of operating the gas distribution grid.
- The 2009 increase in input to main activity electricity consumption is due to the opening of a new plant in the second half of 2008.

Consumption

- In the 2018 edition, the Dutch administration provided data for the *non specified (other) non-energy use* flow for the years 2007-2014, which represent the volume of gas injected as cushion gas in a new underground storage.

Biofuels and waste

Supply

- From 2009 to 2012, and again from 2014 the production and trade of pure **biogasoline** were confidential; net imports were estimated by the Dutch administration based on consumption.

Transformation

- Trade data for **municipal waste** are available from 2011.

Consumption

- Increases in **biodiesel** production for 2017 are related to increased capacity of existing plants and increased demand.
- From 2014, a better allocation of heat own-use was available for **biogas** digester prewarming, and in **municipal waste** burning plants for flue gas cleaning.
- The final consumption of **solid biofuels** in the residential and agriculture sector increased in 2014 and again in 2016 due to the results of new surveys and parameters.

Electricity and heat

General notes

- In the 2017 edition, following an extended review of old national publications, data for the Netherlands were revised for the years 1990-1994 to follow on the revisions entered in the previous edition, covering period 1995-2013. This revision endeavours to maintain data comparability throughout the entire time series. As part of these

revisions, most of the time series for the consumption sectors in both **electricity** and **heat** were revised using newly obtained data from grid operators' client files by the Dutch administration.

Supply

- The decrease of electricity produced from **nuclear** in 2013 data is due to a maintenance period of two and a half months of one nuclear power plant in this year.
- Electricity **from other sources** represents generation from expansion gases and chemical waste gases (the latter up to 2007).
- The large increase in **electricity** trade in 1999 is due to the liberalisation of the Dutch electricity market. Until 2003, trade data are based on contracted quantities instead of physical flows.
- The decrease of electricity produced from **nuclear** in 1997 is due to the closure for five months of one nuclear power plant.
- The increase of heat produced in main heat plants in 1995 is due to a change in ownership of one large installation, resulting in its reclassification from being an autoproducer to a main activity plant.
- Electricity production from **solar photovoltaic** is available from 1990.

Transformation

- Heat used for electricity production represents waste heat bought from other industries that was generated from **combustible fuels**.
- Autoproducer heat plants using **refinery gases** are included with autoproducer CHP plants because data are considered confidential for 1990.
- **Heat** production in commercial and public services includes production in agriculture.
- All municipal waste autoproducer electricity and heat only plants have been reclassified by Statistics Netherlands as autoproducer CHP from 2012, causing breaks in the time series.
- Prior to 2008, a few small autoproducer electricity plants using **solid biofuels** were included with main activity plants for reasons of confidentiality.
- In 2006, some **municipal waste** plants changed ownership and were reclassified from electricity only to CHP plants as they started heat projects.
- A new main activity producer CHP plant fuelled by **refinery gas** started up in 1999 and there was a fuel reclassification in 2000.

- For **natural gas**, all electricity production prior to 1998 is included in CHP plants.
- For **biofuels and waste**, all electricity and heat produced prior to 1995 is included in CHP plants.
- Data for heat produced from **biofuels and waste** are available from 1990.
- Prior to 1990, all electricity and heat produced from **coal** is included in CHP plants.
- Inputs of **hard coal** for electricity production from 1981 to 1989 in terajoules (TJ) are estimated by the Secretariat based on data submitted in kilotonnes (kt) by the Dutch administration.
- Net electricity production by autoproducers prior to 1988 includes production from **combustible fuel** sources only.
- Data for **heat** production by fuel in heat plants prior to 1987 are estimated by the Secretariat based on fuel inputs submitted by the Dutch administration.
- Data for heat production from main activity producer CHP plants and heat plants are available from 1982.
- Prior to 1982, **electricity** production from and inputs to main activity producer CHP plants are included with main activity producer electricity plants.
- For 1970 to 1973, **electricity** output from auto-producer CHP plants has been included with main activity producer CHP plants.

Consumption

- Increasing **electricity** consumption in agriculture/forestry is due to expansion of greenhouse farming.
- Direct use of **geothermal heat** in agriculture/forestry starting in 2008 is due to a new project extracting deep **geothermal** heat.
- Prior to 1979, **electricity** consumption in agriculture is included in commercial and public services.

New Zealand

Source

Ministry of Business, Innovation and Employment, Wellington.

General notes

- Prior to 1994, data refer to fiscal year (April 1993 to March 1994 for 1993). From 1994, data refer to calendar year.

Coal

General notes

- **Peat**, although produced in New Zealand, is not used as a fuel, and is used for agricultural purposes only.
- In the 2014 edition, the definition of **hard coal** was aligned with the International Recommendations for Energy Statistics. Prior to this, **hard coal** for New Zealand from 1960 to 1977 had contained **sub-bituminous coal**. The portion of **sub-bituminous coal** production and residential consumption has been estimated by the IEA Secretariat for this period and moved to **brown coal**.
- In the 2011 edition, the New Zealand administration has revised some of the **coal**, natural gas, oil, renewable and electricity time series back to 1990.

Supply

- Breakdown of exports of **coking coal** by country of destination for 2016 has been estimated by the IEA Secretariat, based on partner data.
- The decrease of **other bituminous coal** production in 2015 is due to a temporary shutdown in one of the coal mines at the beginning of 2015 and another one at the end of 2015.
- A detailed breakdown of exports of **coking coal** by country of destination between 2001 and 2011 is estimated by the IEA, based on secondary sources and partner data.

Transformation

- **Sub-bituminous coal** inputs into coke ovens refers to coal that is merged with iron sands and limestone to form the inputs for the multi-hearth-furnaces, kilns and melters that produce direct reduced iron (Glenbrook Steel Site), with off-gases and supplemental and natural gas driving CHP plants. This method, while not the typical iron and steel process, produces similar by-products. The **sub-bituminous coal** inputs are reported under coke oven coke transformation and the resulting off-gases are reported as production of **coke oven gas** and **blast furnace gas**.
- **Blast furnace gas** production and distribution losses prior to 1998 are IEA Secretariat estimates. Portions of this gas will have been used for energy purposes in the multi-hearth furnaces or elsewhere in the plant. Some transformation efficiencies will

appear higher than normal due to non-reporting of certain inputs, including some confidential data.

Consumption

- In final consumption, some industry data are reported in *non-specified industry* for confidentiality reasons.
- In 2014, the increase in consumption of **sub-bituminous coal** in mines included the combustion of some unsold coal fines for safety reasons.
- Prior to 2010, the construction sector is included with commercial/public services.
- Prior to 2009, mining and quarrying is included in agriculture.

Oil

General notes

- For 2016, the following data were estimated by the IEA Secretariat: consumption of **lubricants**; imports of **bitumen**; and refinery output, and inter-product transfers of **other oil products**.
- For 2015, the following data were estimated by the IEA Secretariat: stock changes and consumption of **lubricants**; consumption of **bitumen**, and all figures for petroleum coke and **other oil products**.
- From 1998, **gas/diesel oil** includes light fuel oil. Until 1997, light fuel oil is under fuel oil.
- Until 1997, other hydrocarbons from natural gas sources correspond to synthetic gasoline production (ceased in February 1997).
- For reasons of confidentiality, beginning in 1994, the New Zealand administration no longer reports data on the production of methanol.

Supply

- Between 2013 and 2014, the jump in imports of **kerosene-type jet fuel** can be explained by an anticipated strike at the refineries.

Consumption

- Between 2009 and 2010, a break in time series appears for demand of **gas/diesel** as the administration changed its methodology for commercial/public services
- For 1960 to 1973, Consumption data have been estimated by the Secretariat.

Natural gas

Supply

- There are no imports nor exports of natural gas for New Zealand.

Transformation

- The large 1998 increase in input to autoproducer CHP plants is due to two new autoproducer CHP plants.
- In February 1997, production of synthetic gasoline from natural gas ended.

Consumption

- Between 2012 and 2013 there are breaks in time series for the final consumption breakdown due to the introduction of a new survey.
- In 2005, the decline in chemical industry consumption was due to the closure of the Motunui methanol production plant, which was then reopened in late 2008.
- Prior to 2003, gas consumed in industry includes some gas for energy industry own-use. Since 1990, detailed consumption breakdown for industry is available. From 1977 to 1979 and from 1986 to 1989, losses are included in statistical differences.

Biofuels and waste

General notes

- Due to improved wood data collection starting with 2016 data, increases in **solid biofuels** in transformation, supply and consumption may not be a true increase but more representative of increased data survey respondents. This results in a break in time series between 2015 and 2016.

Transformation

- In the 2018 edition, revisions were made to **biogas** transformation data back to 2002 due to reclassification and methodological changes. This results in a break in time series between 2001 and 2002.

Electricity and heat

General notes

- There are several breaks in the time series between 1987 and 1988 due to a reorganisation of government departments during 1987.

Supply

- **Heat** outputs from main activity and autoproducer CHP plants are not available.

Transformation

- **Electricity** and **heat** production from **other sources** represents waste heat recovered and used for electricity production.
- In 1999, a reclassification of autoproducer plants causes some breaks in the time series.
- Data for **geothermal** electricity production by autoproducers are available from 1990.
- The New Zealand administration has updated efficiencies for **electricity** production from **geothermal heat** from 10% to 15% from 1990 onwards; this causes a break in the time series between 1989 and 1990.
- Data for heat from chemical processes used for electricity production are available from 1990 and corresponds to acid plants in the fertiliser industry where sulphur is the main input.
- In the 2018 edition, revisions in electricity production in **hydro** plants back to 2002 are related to a change in methodology. This results in a break in time series between 2001 and 2002.
- **Electricity** production by autoproducers from natural gas and from oil has been estimated by the Secretariat from 1970 to 1973.

Consumption

- In the 2018 edition, **electricity** consumption generated by autoproducer electricity and CHP plant in the *Commercial and public services* sector for 2002 to 2016 have been estimated by the IEA Secretariat, based on revised biogas data, submitted in the Renewables and Waste questionnaire.
- A new survey starting with the 2013 data can cause breaks in data for final consumption of **electricity**.
- The consumption of electricity by the transport sector is collected under the Australian and New Zealand Standard Industrial Classification (ANZSIC) 2006 system's "Transport, Postal and Warehousing" category. As this covers commercial services as well as transport, MBIE estimates the amount of this that can be allocated to transport. At present this data does not allow for the disaggregation by transport sub-sector.

- Beginning in 2013, the falling **electricity** consumption in the pulp, paper and printing sector follows with the permanent closure of a paper machine in one of New Zealand's larger energy users, following decreased demand for newsprint.
- Data on direct use of **geothermal heat** are available from 1990 and direct use of **solar thermal heat** from 2002.
- From 1974 to 1993 distribution losses include the statistical differences.
- The classifications used by the administration of New Zealand were changed in 1991.
- Electricity consumption in paper, pulp and printing is included in wood and wood products prior to 1990.

Norway

Source

Statistics Norway, Oslo.

General Notes

- In the 2018 edition, data for Norway were revised back to 2010, following the introduction of a new system for energy balances and energy accounts. Breaks in series may appear between 2009 and 2010 as a result. For more detailed information regarding the methodological changes, please refer to the documentation of statistics production since statistics year 2010 on the Statistics Norway website. At the time of writing, the document was available in Norwegian as "Dokumentasjon av statistikkproduksjonen fra statistikkår 2010 og fremover".

Coal

General notes

- Other bituminous coal includes lignite.
- Production of **coking coal**, **coke oven coke** and **coke oven gas** ceased in the late 1980s.

Supply

- The decrease of **other bituminous coal** production in 2015 is due to a temporary shutdown in one of the coal mines.
- The decrease of **other bituminous coal** production in 2005 is due to a fire in one of the coal mines;

this entailed a break in the production for a large part of the year.

Oil

General notes

- In the 2018 edition, the Norwegian administration made widespread revisions to their data back to 2010, following the introduction of a new system for energy balances and energy accounts. Breaks in series may appear between 2009 and 2010 as a result.
- A major project is being carried by Statistics Norway in order to reduce the statistical differences observed between calculated supply and demand of oil. Starting with 2014 data, new methodologies have been introduced for reporting **crude oil**, **NGL** and **naphtha** (see details below). Balances for **motor gasoline**, **gas/diesel oil**, **kerosene-type jet fuel** and **fuel oil** are also under investigation. Further improvements are expected in future editions.
- The IEA Secretariat estimates the net calorific value for Norwegian **crude oil** based on the oil product outputs of the oil refineries.
- Prior to 1990, **ethane** is included with **LPG**.

Supply

- **Crude oil** production includes condensates.
- Starting with 2014 data, Statistics Norway has changed the source for annual **crude oil** exports to include shipping information collected by the National Petroleum Directorate.
- Starting from 2014 data, there is a break in **naphtha** supply time series due to a change in reporting methodology adopted by Statistics Norway.
- Prior to 2002 data, a part of **LPG** exports was reported as **NGL** exports.
- Since 1986, imports of **refinery feedstocks** are reported under the relevant oil product imports.

Transformation

- In 2016 the Slagen refinery underwent maintenance which led to a decrease in refinery throughput for that year.
- In 2014, the strong decrease in **crude oil** refinery intake is linked to heavy maintenance work carried in the refineries in fall 2014.
- Starting with 1990 data, **gas/diesel oil** used for autoproduced electricity on oil and gas platforms are reported under energy industry own use.

- From 1970 to 1975, **gas/diesel oil** for electricity generation has been estimated by the Secretariat.

Consumption

- Data on **naphtha** consumption in Norway are currently unavailable.
- Consumption of lubricants is reported within industry, as no further breakdown is available.
- In 2005 data, breaks in **petroleum coke** consumption time series appear due to reallocation in the industry sector. Refinery fuel is reported from 2001 data.
- In 2003 and 1993 data, breaks in time series appear for consumption in the chemical/petrochemical industry due to newly available information.
- Prior to 2000, **gas/diesel oil** used in fishing is included in agriculture/forestry.

Natural gas

General notes

- For Norway, the supply of **natural gas** is the residual of two very large and opposite amounts: production and exports. As a result, large statistical differences in some years may lead to discrepancies in the growth rates of supply and demand of natural gas.

Supply

- Since 2008 data on stocks are available.

Transformation

- Since 2007, gas inputs to all electricity and CHP plants are included in autoproducer electricity plants for confidentiality reasons.

Consumption

- In the 2017 edition, consumption figures for the industry sector and other sectors were revised back to 2010.
- Prior to 2008, **natural gas** amounts used in gas extraction by offshore platforms were not included in production data.
- Since 2002 domestic navigation is included under *non-specified transport*.
- The 2007 increase in *non-specified transport* is due to the wider use of gas-powered sea vessels.
- Before 2000, energy use in oil and gas extraction also included some final consumption amounts.
- In 1992 the increase in oil and gas extraction is due to the start-up of new fields.

- Consumption for pipeline transport is included in energy industry own use.

Biofuels and waste

General notes

- Prior to 2007, equal shares of renewable and non-renewable **municipal waste** were estimated because the actual split was not known.
- Data for **industrial waste** and **biogases** are available from 1991.

Supply

- In 2014, the **biodiesel** production facility closed.
- Data for **liquid biofuels** imports are available starting in 2006.

Consumption

- Distribution losses for **biogases** are included in commercial/public services prior to 2003.

Electricity and heat

Supply

- No data on electricity production from **solar** energy are submitted to the IEA by the Norwegian administration.
- The electricity generated from **other sources** represents electricity from waste heat.
- Until the 2018 edition, distribution losses included statistical differences. Statistical differences now exist for 2010 onwards.
- Heat produced by autoproducer heat plants from chemical processes and from *other sources* and used for electricity production has been estimated by the IEA Secretariat for the period 1990 to 2006.
- Electricity production from wind is available from 1993.
- Data for **heat** production from heat pumps and electric boilers (including the electricity used for this production) are available from 1989.
- Data for heat production are not available prior to 1983.

Transformation

- In the 2016 edition, Norway corrected the **industrial waste** consumption in heat plants, and reclassified some the corresponding heat output under other sources.

- Starting in 2007, data for **natural gas** electricity and CHP plants are aggregated in autoproducer electricity plants for confidentiality reasons. The revisions received for the 2018 edition partially altered these data for the period 2010 to 2016, but no explanations were given.
- Breaks in the time series between 1996 and 1997 and between 2001 and 2002 and now 2009 and 2010 are due to a reclassification of main activity producers and autoproducers. This includes the apparent cessation of autoproducer pumped hydro and hydro electricity generation since 2010, where this generation has been reclassified as main activity.
- Data for heat production from biogases are available from 1995.
- Prior to 1991, net **electricity** production by autoproducers by industry sub-sector was estimated by the Secretariat based on data submitted by the Norwegian administration.
- Data on inputs and outputs in **heat** plants are not available prior to 1983 for main activity heat plants and prior to 1988 for autoproducer heat plants.

Consumption

- Consumption of **electricity** for pipeline transport is included in oil and gas extraction.
- The breakdown of **heat** consumption by industry sub-sector was expanded in 1992, reclassified in 1994 and collected by a new reporting system in 1997.

Poland

Source

Central Statistical Office, Warsaw.

Coal

General notes

- **Other recovered gases** which appear in the balances as output from blast furnaces also include off-gases from zinc and copper smelting, ceramics kilns and steel production, thus artificially increasing the overall efficiency of blast furnaces when calculated.
- Prior to 2016 data, **other bituminous coal** includes **anthracite**.

Transformation

- In the past two editions, the Central Statistical Office has revised their methodology which accounts for sold heat produced from autoproducer heat plants using **coking coal** and **other bituminous coal**, resulting in lower, but more accurate data for 2007 onwards.

Consumption

- Consumption in agriculture/forestry for **BKB**, and own use in power stations for **lignite** are residual flows, so may contain statistical differences and other consumption not reported elsewhere. As a consequence, changes in these time series may not be wholly representative of the activities shown.
- Prior to 2010, own use in coal mines included workers' take home allowance, which should be included in residential consumption.

Oil

General notes

- From 1997, production *from other sources (natural gas)* of **other hydrocarbons** corresponds to hydrogen used in refineries, also represented as the output of *non-specified transformation* in the balances format.

Consumption

- In 2015, a new flue-gas desulphurisation unit was installed. As this unit facilitates high sulphur fuel oil burning in place of natural gas, this explains the increase in **fuel oil** consumption in oil refineries.

Natural gas

Supply

- Exports include all the gas sold by companies operating in Poland (these are mainly re-exports).
- Natural gas reported in associated production contains some heavier hydrocarbons. This results in a high gross calorific value for production.

Transformation

- *Non-specified transformation* data represent natural gas used for hydrogen manufacture. This hydrogen is used for hydrodesulphurization in oil refineries.
- In 2013 and 2014 some CHP plants were used as backup reserve plants, resulting in a decrease in consumption under main activity producers CHP plants.

- In 2004 and 2005 small amounts of gas were used to start up main activity electricity plants.

Consumption

- Distribution losses may include some statistical differences.
- *Non-specified energy* includes gas used for heating and pumping operations in the distribution network.

Biofuels and waste

General notes

- Several breaks in the **industrial waste** time series are caused by difficulties in the classification of wastes.
- In the 2018 edition, **solid biofuels** were corrected for 2015 data.
- There is a break in time series between 2015 and 2016 for **biogases** due to reclassification from autoproducer to main activity plants.
- The increases in **municipal wastes** starting in 2016 are related to two new plants.
- Data on **biodiesels** are available from 2005; **bio-gasoline** data from 2003; and **other liquid bio-fuels** data from 2009.
- In 2008, a new questionnaire was launched which increased the coverage of renewable and waste data.

Supply

- Under current Polish law, only producers and importers of **biodiesel** are obliged to fulfil the National Indicative Target of share of biofuels in the total usage of transportation fuels. Since the regulation is currently not applied to retail distributors they, for economic reason, rather export the **biodiesel** than sell it domestically. This results in low domestic consumption and increase of exports in 2016.
- Production of **other liquid biofuels** increased in 2015 because new companies started to report their biofuels production to the Polish administration.

Transformation

- Before 2000, **industrial waste** was used interchangeably with **light fuel oil** in some plants, which might result in breaks in the time series.

Consumption

- Increases in consumption of **biodiesel** are related to a policy change in the middle of 2016.

- Data for **biogases** refer only to the gas from fermentation of biomass.
- Until 1998, data for **industrial waste** include **other recovered gases** which have to be reported in Coal questionnaire, causing a break between 1997 and 1998.
- Between 1992 and 1993, due to data availability, there is a large increase in **solid biofuels** for residential, commercial/public services and agriculture/forestry.

Electricity and heat

General notes

- Prior to 2010, **heat** supply and consumption can include autoproducers unsold heat. Previous attempts to address such issue may have caused breaks for heat production and fuel in autoproducer heat plants (1993) and in autoproducer CHP plants, and for heat consumption in industry sub-sectors.

Supply

- Electricity and heat from **chemical heat** and other sources are available from 2011. Prior to that, these amounts could be included under different categories.
- **Heat** distribution losses are available from 2010 and prior to that they are included in consumption.
- Heat production from heat pumps is available from 2009.

Transformation

- Starting with 2017 edition and following, the Polish administration revised electricity production data from power plants run by combustible fuels, re-classifying those that were previously reported as main activity CHP as main activity electricity plants. These revisions mainly affected coal-fired power plants and created breaks in time series from 2004 onwards.
- State support for biomass co-firing was reduced in 2016, resulting in electricity production from **solid biofuels** falling during this period.
- Due to a reclassification of plant types, there is a break in time series in 2015 for the generation of heat in autoproducer CHP plants in the iron and steel sector.
- In 2008 and 2014, a number of CHP plants were reclassified from autoproducer to main activity producer due to an industry re-organisation.
- Data for electricity production in autoproducer electricity plants are available from 1986.

Consumption

- **Heat** consumption in energy industry own use includes process heat not sold before 1995.
- Data for direct use of **geothermal heat** are available from 2000 and direct use of **solar thermal heat** in commercial/public services from 2002 and in residential from 2009.
- In the 2017 edition, the Polish administration re-classified some amounts of electricity consumption from the chemical and petrochemical sector to oil refineries, following access to improved survey methods.

Portugal

Source

Direcção-Geral de Energia e Geologia, Lisbon.

Coal

General notes

- **Hard coal** data prior to 1978 may include **sub-bituminous coal**.

Consumption

- Between 1997 and 2001 **gas works gas** was gradually replaced by **natural gas** in the commercial/public service and residential sectors.
- The production of pig iron ceased in the first quarter of 2001, leading to decreases in supply and consumption of **coking coal**, **coke oven coke**, **coke oven gas** and **blast furnace gas** in 2001.

Oil

General notes

- The increase in refinery throughput in 2015 is a result of increased refinery capacity linked to the expansion of the Sines refinery.
- A new hydrocracking unit started operations in Sines Refinery in April 2013. This explains the 2013 increase in **refinery feedstock** imports, as well as middle distillate production.

Supply

- Production *from other sources (natural gas)* of **other hydrocarbons** corresponds to hydrogen used in refineries, also represented as the output of

non-specified transformation in the balances format.

Consumption

- Consumption of **gas/diesel oil** in industry and commercial/public services represents diesel use in mobile fleets.

Natural gas

Supply

- In February 1997, Portugal started to import natural gas.
- There is a surge in 2017 imports attributed to the consumption of gas-fired power plants that filled in the gap of decreased hydro-generation due to a drought.

Transformation

- Since 2012, data reported for *non-specified transformation* represent natural gas used for hydrogen manufacture. Prior to this year, these quantities are reported under oil refineries.
- The 2002 decrease in natural gas used for gas works is due to the closing of the Lisbon gas works plant in May 2001.

Biofuels and waste

General notes

- Data for **solid biofuels** were revised by the National administration from 1990 to 2001, which may result in breaks in time series between 1989 and 1990.
- Data are available from 1994 for **biogases**, from 1999 for **municipal waste** and from 2003 for **industrial waste**.

Consumption

- The use of **biogasoline** for blending decreased in 2017 because it is no longer compulsory to use biofuels in gasoline.
- Data for **solid biofuels** were further revised based on a new survey on industry, resulting in breaks in sub-sectoral consumption for 2012.
- Between 2009 and 2010 a new survey on energy consumption in households creates a break in time series in the **solid biofuels** consumption in residential time series.

Electricity and heat

Supply

- Data for production of electricity from **solar photovoltaic** and **wind** are available from 1989.
- For 2017 data, **solar photovoltaic** includes own use.
- The large decrease in electricity output from **hydro** for 2017 is due to decreased rainfall.

Transformation

- For 2016 data onwards, **heat** and **electricity** production from chemical sources have been reclassified as autoproducer CHP production from **industrial waste**, causing cessation of the heat and electricity generated from heat from chemical processes time series, and causing breaks in the industrial waste time series between 2015 and 2016.
- Electricity production from **other oil products** refers to methanol.
- In the 2017 edition, the data for production of **electricity** by autoproducer **hydro** plants were revised between 1990 and 1999, according to a new national methodology.
- In 2007, some power plants that were previously reported as main activity CHP have been reclassified as autoproducer CHP.
- In 2007, the power station that burns **industrial waste** started to work as a CHP plant, whereas previously it was only producing electricity.
- New plants fuelled by **solid biofuels** and by **municipal waste** started in 1999.
- Prior to 1992, data for net electricity production by autoproducers include production from combustible fuel sources only.
- Data for production of **electricity** in main activity producer CHP plants and the associated fuel inputs are not available prior to 1980.

Consumption

- In the 2017 edition, the Portuguese administration reclassified some amounts of heat consumption from the residential to the commercial and public services sector for the period 1998 to 2014 following a new national methodology.
- Data for direct use of **solar thermal heat** is available from 1989 and direct use of **geothermal heat** from 1994.

Slovak Republic

Source

Statistical Office of the Slovak Republic, Bratislava.

General notes

- Data are available starting in 1971.
- The Slovak Republic became a separate state in 1993 and harmonised its statistics to EU standards in 2000. These two facts lead to several breaks in time series between 1992 and 1993, and between 2000 and 2001.

Coal

General notes

- Data for **anthracite**, **patent fuel** and **coal tar** all begin in 2005. Prior to this, **anthracite** was included with other hard coals, and **patent fuel** and **coal tar** data were not reported.
- Since 2005, data for **coal tar** and **patent fuel** are based solely on trade receipts. Production of **coal tar** which is consumed within the national boundary is not reported. Consumption of **patent fuel** adopts the residual methodology for statistical differences described above.
- Breaks in time series may exist between 2000 and 2001 as the result of the implementation of a new survey system.
- Commercial/public services also includes statistical differences for **other bituminous coal**, **lignite**, **patent fuel** and **coke oven coke** from 1980 onwards and **BKB** from 1989 onwards.

Oil

General notes

- Starting with 2016 data **ethane** is included with **refinery gas**.
- From 2001 onwards, **kerosene type jet fuel** includes small amounts of **other kerosene**.

Transformation

- Between 2008 and 2009, one of the companies changed its status from autoproducer CHP plant to main activity producer CHP plant, resulting in a decrease in **fuel oil** consumption for autoproducer CHP.

Consumption

- For **gas/diesel** oil, road data include rail use.
- Small quantities of **kerosene-type jet fuel** used for domestic aviation are included in international aviation bunkers data.
- Data for energy use of **white spirit** are not available.

Natural gas

General notes

- Data for losses were not available between 2009 and 2013.
- Between 1970 and 1971 and between 1978 and 1979, there are breaks in time series due to a revision of data for 1968-1969 and 1979-92 made in 2003. Data for 1970 were estimated by the Secretariat.

Supply

- In 2002 the gross calorific value (GCV) of production increased significantly as extraction from a field with a low GCV ended.
- Imports include gas used for pipeline compressor stations.

Transformation

- In 2014, the decrease in autoproducer CHP plants consumption was due to a plant closure.
- Amounts in *non-specified transformation* mainly represent natural gas used for hydrogen manufacture. This hydrogen is used for hydrodesulphurization and for hydrocracking in oil refineries.

Consumption

- In 2016, non-energy use of natural gas in the chemical and petrochemical industry decreased due to a two-month stoppage in ammonia production.
- In 2001, there is a break in time series for energy use in oil and gas extraction due to the application of the IEA's definition starting that year.
- There are inconsistencies in the time series of commerce/public services as this sub-sector was computed as a residual.

Biofuels and waste

General notes

- Prior to 2001, the data reported as **industrial waste** include **biogases** and **municipal waste**.

Electricity and heat

General notes

- Data for **solar photovoltaic** are available from 2010.

Transformation

- Electricity and heat production from combustible fuels from 1990 to 2003 have been estimated based on the data on fuel used for electricity and heat plants reported in the annual fuel questionnaires.
- Prior to 2001, electricity generation from primary **solid biofuels**, **municipal waste** and **biogases** are included with **industrial waste**.

Consumption

- The low electricity consumption in oil refineries in 2003 and 2004 is due to a change in ownership and work carried out on a refinery.
- Data for direct use of **geothermal heat** are available from 2001 and direct use of **solar thermal heat** from 2005.

Slovenia

Source

Statistical Office of the Republic of Slovenia, Ljubljana.

General notes

- A new energy data collection system was implemented in January 2001, causing some breaks in time series between 1999 and 2000.
- Data for Slovenia are available starting in 1990. Prior to that, they are included in Former Yugoslavia.

Coal

Transformation

- In 2015, one of the main activity electricity plants burning lignite ceased its operations.

Oil

Supply

- Between 2013 and 2014, a break in imports and exports time series for **kerosene-type jet fuel** and

fuel oil appears due to improvements in reporting methodology. New trade corresponds to imports that are first stocked on Slovenian territory and later re-exported.

Consumption

- Time series for **motor gasoline** and **gas/diesel** consumption in road fluctuate as they are computed by the Slovenian administration as residual between the supply and the total consumption of all other categories.

Natural gas

Transformation

- In 2014, improvements in a CHP plant resulted in a substantial reduction of natural gas consumption in this sector.

Consumption

- In 2011, the decrease in the chemical sector consumption is due to minimal use of gas for production of methanol.
- There are inconsistencies in the time series for commercial/public services as this sub-sector is computed by the Slovenian administration as a residual.

Biofuels and waste

Consumption

- Increases in consumption of **biodiesel** starting from 2017 are the result of an amended energy policy, which went into effect in mid-2017.
- The break in time series between 2008 and 2009 for **solid biofuels** is due to revisions based on a new household survey which is to be carried out on an annual basis.
- Breaks in total final consumption for **industrial waste** prior to 2008 are a result of a sectoral reclassification.

Electricity and heat

Consumption

- Direct use of **solar thermal** and **geothermal heat** is available from 2009.
- Surveys for data on heat consumption are available from 2003 onwards for the residential, industry and energy sectors. Prior to 2003, the data have been estimated by the Slovenian administration.

Spain

Source

Ministerio de Energía, Turismo y Agenda Digital, Madrid.

General notes

- Spain is currently working on improving its data collection system. Therefore breaks in time series are present in the data and historical revisions are expected in future editions.

Coal

General notes

- The calorific values for **sub-bituminous coal** are correct on an as received basis, and comply with definitions of **sub-bituminous coal** on a moist, but ash free basis.

Supply

- Lignite** mining ceased in 2008.

Transformation

- In 2018 edition, a reclassification of plants from autoproducer to main activity has led to breaks between 2015 and 2016.

Oil

General notes

- A change in the reporting system occurred mid-1996 resulting in some breaks in time series.

Supply

- The rise in crude production in 2013 is linked with the development of the Montanazo-Lubina deep off shore field.

Consumption

- A more detailed breakdown in some consumption time series appears between 2012 and 2013 due to an update and improvement in the reporting methodology.

Natural gas

General notes

- Spain has implemented a new tool in data collection, so there are currently breaks in the time series

for 2014 and 2015 in transformation and industry respectively.

Transformation

- Due to the implementation of an updated tool for gathering information on electricity generation plants in 2013 many autoproducer electricity plants were reclassified as autoproducer CHP plants.
- In 1997, the increase in input to main activity producer electricity is due to two main activity producer electricity producers running on natural gas.
- Between 1993 and 1994 there is a break in time series in autoproducer CHP plants consumption, since a new survey revealed a large number of CHP autoproducers that were previously included in industry consumption.
- Since 1990 the decrease of natural gas inputs into gas works gas production is due to the substitution of natural gas by manufactured gas.

Consumption

- Since 2001, the final consumption breakdown is estimated by the Spanish administration.
- Between 2005 and 2006 there are some breaks in time series for the energy industry own use and for final consumption due to a change in the estimation methodology.
- Since 1988 the increase of natural gas used as feedstock is due to a substitution of naphtha for the production of fertilisers.
- Prior to 1982 natural gas consumption in textiles and leather, transportation equipment and machinery has been included in *non-specified industry*.

Biofuels and waste

General notes

- The Spanish administration verifies that production and consumption of **industrial waste** do exist but data are not available after 2001.

Transformation

- From 2013 data, a revision of the industry sector of some companies causes breaks in time series for **solid biofuels, municipal waste and biogases**.

Consumption

- Increased consumption of **biofuels** from 2016 to 2017 is a result of increased demand for motor gasoline/diesel.

- Prior to 2006, inputs of **biogases** used to generate process heat were erroneously included as inputs to transformation when they should have been reported in the appropriate industry in final consumption.
- The breakdown of **solid biofuels** direct use in the industry sector prior to 1999 is not available.

Electricity and heat

Supply

- Electricity reported under *other sources* is from waste heat.
- Transmission and distribution losses are estimated by the Spanish administration.
- Data for electricity from **solar thermal** plants are available from 2007.
- Starting in 2006, a new method was used to estimate the losses from final consumption, resulting in a break in time series between 2005 and 2006.
- From 2005, residential rooftop **solar photovoltaic** electricity production data, previously reported under autoproducer, are included in main activity electricity plants according to the Spanish administration classification.
- Electricity production from **wind** and **solar** are reported from 1989 when data became available.

Transformation

- In the 2017 edition, a change in reporting methodology resulting in reclassification of plants from autoproducer **electricity** to autoproducer CHP has led to breaks in electricity production in autoproducer electricity plants between 2012 and 2013 and 2014 and 2015. The administration anticipates further revisions to the time series in subsequent cycles.
- The National Energy Commission reclassified plants that consume **biogases**, leading to breaks in time series between 2007 and 2008.
- In 2000 and 2006, many plants were reclassified from main activity producer to autoproducer or vice versa.
- For 2004 and 2005, electricity production from gas/diesel oil is included with fuel oil.
- The large increase in electricity output from main activity producer electricity plants fuelled by natural gas in 1997 is due to the opening of a new plant.

- Prior to 1989 inputs and outputs from the use of **biofuels and waste** to generate electricity and/or heat (i.e. comprising **solid** and **liquid biofuels, industrial waste, municipal waste and biogases**) are reported under non-specified **biofuels and waste**.
- Prior to 1987 **electricity** production in main activity producer CHP plants is included with production from main activity producer electricity plants.
- From 1983, net **electricity** production by auto-producers has been estimated by the Spanish administration, and includes production from combustible fuel sources only and net electricity production by autoproducer CHP plants is included in electricity plants.

Consumption

- For 2012, the **electricity** consumption data are estimated by the Spanish administration.
- Data for direct use of **solar thermal heat** are available from 1994.
- Data for direct use of **geothermal heat** are available from 1990.
- **Electricity** consumption under the *non-specified industry* category includes the consumption for the manufacture of rubber and plastic products, furniture, repair and installation of machinery and equipment (except repair and maintenance of ships and boats) and other manufacturing. This aligns with the Classification of the Economic Activities in the European Community (NACE) group code 22 and 31 to 33 (excluding class 33.15).

Sweden

Sources

Statistics Sweden, Örebro.

Swedish Energy Agency (Energimyndigheten), Eskilstuna.

Coal

General notes

- **Peat products** data may be reported under the category of **peat**, particularly for imports.
- Autoproducer inputs to waste heat production that are sold are reported in the respective final consumption sectors and not in transformation.

- Some mixture of LNG with air to form a lower calorie product is reported as **gas works gas** production replacing traditional gas works gas manufacture.

Supply

- **Other bituminous coal** production until 1992 is coal recovered during the quarrying of clay.

Oil

General notes

- Swedish stock data include peacetime crisis stocks. Since these stocks may be held in **crude oil** instead of oil products, there may be occurrences of negative stock levels for products.
- Data are available from 2003 for **refinery gas** and from 2000 for **additives** and **ethane**.
- Beginning in 2002, Sweden has changed some of the conversion factors for some products. That explains the small breaks in time series between 2001 and 2002.

Transformation

- In 2014, **gas/diesel oil** inputs to main activity CHP electricity plants are confidential and aggregated with **fuel oil**.
- In 2013 data, the drop in **crude oil** refinery intake is related with maintenance in August and September 2013 at the Swedish refineries.
- From 2011, the country's gas works plants stopped using **naphtha**.

Consumption

- Starting from 1995 data, Sweden has changed its standard classification of industry sub-sectors
- Between 1985 and 1986, there are breaks in consumption time series of **fuel oil** due to more detailed reporting.
- In 1984 data, consumption of **other kerosene** in the road sector is discontinued due to product re-classification.

Natural gas

Transformation

- Since 2005, the natural gas inputs to gas works has been estimated by the IEA Secretariat.

- Autoproducer inputs to waste-heat production that are sold are reported in the respective end-use sectors and not in the transformation sector.

Consumption

- For 2013, data for the energy use of gas by oil refineries have been estimated by the IEA Secretariat.
- For 2008, data for total final consumption and its breakdown have been estimated by the IEA Secretariat based on other Statistics Sweden publications.
- For years prior to 1993, road transport is included in commercial/public services.

Biofuels and waste

General notes

- There are some breaks in time series between 2015 and 2016 in pumped hydro, **industrial waste** and **other liquid biofuels** figures due to the lack of data. The figures are expected to be modified in the 2018 edition.
- From 1990 to 2006, **municipal waste** was reported as 60% non-renewable and 40% renewable. In 2007, reanalysis of the waste revealed the content was 40% non-renewable and 60% renewable. This was re-analysed again starting from 2016 data, when the result of the analysis revealed the split should be 52% renewable and 48% non-renewable. This results in breaks in the time series between 2006 and 2007 and also 2015 and 2016 for both renewable and non-renewable **municipal waste**.
- In the 2018 edition, data for **biodiesels** were revised from 2006 to 2015 while **biogasoline** and **bioethanol** were revised from 2005 to 2015. The revisions affected indigenous production due to increased information about net trade, as well as the transformation sector, for blending with motor gasoline/diesel/kerosene and consumption in the road sector.

Supply

- In the 2018 edition, trade data were added for **primary solid biofuels** starting from 2012. As the net trade used to be reported together with indigenous production, this has resulted in a downward revision of indigenous production for 2012-2015.

Consumption

- Due to confidentiality issues, **solid biofuels** consumption in food, beverages and tobacco is reported with paper, pulp and printing for 2014 data.
- Consumption data by sector for **biogases** are available from 2011.
- In 2011 data, there was a change in the reporting methodology for consumption of solid biofuels and waste in the residential sector, which is responsible for breaks in time series between 2010 and 2011.

Electricity and heat

Supply

- **Heat** data for 2017 are based on a quarterly survey which does not have the same coverage as the annual survey. Therefore, data are provisional and subject to revision.
- Inputs to **heat pumps** include heat recovered from industry and from ambient sources (including sewage and seawater).
- Ambient heat is shown as the indigenous production of **heat**.
- Information on heat for sale produced in **heat pumps** and **electric boilers** is available starting in 1992.

Transformation

- In Sweden, heat produced in **heat pumps** is sold to third parties (as district heat) and is therefore included in transformation.
- The electricity used to drive **heat pumps** is considered to be transformed and appears as output in transformation rather than as electricity used in energy industry own use.
- Heat production from **solid biofuels** in auto-producer CHP includes waste heat and chemical heat.
- For 2012 and 2013, small quantities of bi-methanol used to produce electricity are included in **other liquid biofuels**, under production, as well as input and output of autoproducer CHP.
- For 1997 and 1998, heat production from **liquid fuels** in main activity producer CHP plants includes heat recovered from flue-gas condensing.
- Prior to 1992, data on electricity production from **biogases** is included with **solid biofuels**.

- Heat produced for sale by autoproducer CHP plants is reported starting in 1992.
- From 1987, the breakdown of net **electricity** production by industry for autoproducer electricity plants is available.
- Prior to 1987 net **electricity** production by auto-producer plants includes data for CHP plants only.
- Prior to 1980, **heat** produced in main activity producer heat plants is not available.
- Prior to 1974, **heat** produced in main activity producer CHP plants is not available.

Consumption

- Consumption of electricity for distribution of district heat is included with other energy industry own use.
- Fuel inputs to the **heat** that is recovered by the heat pump are reported in the appropriate industry sub-sector (i.e. chemical and paper, pulp and printing).
- In 2014, consumption of **electricity** in the mining and quarrying and the pulp, paper and printing sectors are confidential and were incorporated under the *non-specified industry* sector.
- Data on direct use of **solar thermal** are available from 1989.
- Consumption of **heat** in industry and other sectors is available from 1984.

Switzerland

Sources

Swiss Federal Office of Energy (SFOE), Ittigen.

Carbura - Swiss Organisation for the Compulsory Stockpiling of Oil Products, Zurich.

General notes

From 1999, data on consumption result from a new survey and are not comparable with data for previous years.

Coal

General notes

- Calorific values for **anthracite**, **other bituminous coal** and **coke oven coke** are taken from a common default figure. Calorific values for **lignite**

are also default, but are based on dried **lignite** fines which have a higher calorific value.

Consumption

- From 1985, industrial consumption of **gas works gas** is reported in *non-specified industry* to prevent the disclosure of commercially confidential data.
- The allocation of consumption between certain coal types is estimated by the Swiss administration.

Oil

General notes

- The statistical differences for **gas/diesel oil** are partly due to changes in consumer stocks.
- In 2004, **petroleum coke** production started due to the installation of a cracking unit in a refinery
- As of 1993, the Swiss administration has reported figures for **naphtha** that are net of quantities used for blending into motor gasoline. For 1994, 1995, 1997, 1999, 2001 and 2002 this reporting has led to negative production numbers for naphtha. For these years, the IEA Secretariat has moved the data into transfers and reduced the production of motor gasoline by corresponding amounts.

Supply

- In 2015, low refinery throughput is due to maintenance in May and June and to an unplanned outage in October due to a leak in a heat exchanger at the Cressier refinery. The closure of the Collombey refinery from March 2015 also contributed. As a result, imports of many oil products increased in 2015.
- The Collombey refinery remained closed in 2016, resulting in decreased refinery throughput and increased imports in this year. Refinery output of **petroleum coke** stopped as this product was only produced at the Collombey refinery.
- Data for refinery losses at the remaining Cressier refinery are low and are under investigation.

Transformation

- **Gas/diesel oil non-specified transformation** represents inputs to mobile and stationary power generators, of which the electricity output is unknown at this stage.
- In 2012, low refinery intake is due to the temporary shutdown of the refinery in Cressier in the first semester of 2012 and maintenance at Collombey refinery.

- In 1988, the reduction in refinery intake of refinery **feedstocks** in 1988 is partly due to a switch to crude oil and partly to a shutdown for maintenance of a refinery.

Consumption

- In 1994, the increase in consumption of **gas/diesel oil** is due to consumer stock-building prior to the introduction of a value-added excise tax on heating fuels as of 1 January 1995.

Natural gas

General notes

- The statistical difference is reported under Agriculture/Forestry, and it is not possible to differentiate between the two.

Transformation

- Since 2013 there are fluctuations in gas consumption of main activity producers CHP plants due to the fuel flexibility of a plant.
- In 1996, the increase of gas input to main activity CHP plants is due to more complete accounting for all producing entities.

Consumption

- Between 1977 and 1978, there are breaks in time series due to the introduction of a new survey by industry type.

Biofuels and waste

Supply

- Due to a new program launched in September 2014 in which CO₂ emissions due to traffic can be compensated by substituting fossil gasoline and diesel by biofuels, the imports and road consumption of **biodiesels** and **biogasoline** increased sharply starting in 2015.

Consumption

- Consumption data for **biogases** in the transport sector are available from 1996 to 2012 as a biogas fuel station had stopped selling biogas in 2013.

Electricity and heat

Supply

- **Heat** production includes heat produced by nuclear power stations and distributed to other consumers.

- Data for electricity production from **wind** are available from 1996.
- Data for **solar** electricity production by auto-producers are available from 1990.

Transformation

- In 2016, two new **pumped hydroelectric** plants went into operation.
- For 2015, the large decline in **electricity** and **heat** production from **industrial waste** is due to one large main activity CHP plant significantly reduces their activity. This plant eventually closed in 2016, further lowering **electricity** and **heat** generation for this fuel.
- From 2012, the **municipal waste** autoproducer plant previously reported as electricity plant met the CHP requirements and was reclassified as such.
- **Biogas** is no longer being used for heat production as of 2011.
- The decrease in the use of **natural gas** in main activity CHP plants in 2007 is caused by the reduced operation of one plant after the start-up of a new waste-incineration plant and the shutting down of another plant. Use increases again in 2008 due to the re-starting of a district heating plant.
- The autoproducer heat plant that produced heat for sale using **municipal waste** was closed in 2006.
- The breakdown of **electricity** and heat generation from autoproducers by sector is not available after 1990.
- Prior to 1978, data for **heat** output from CHP plants are not available.
- The allocation of **electricity** production in main activity producer electricity only and CHP plants between 1967 and 1973, and in main activity producer CHP and autoproducer CHP plants in 1974 are Secretariat estimates.
- All **hydro electricity** production is reported under large scale hydro (> 10 MW) due to the fact that production data are not being collected by different size capacity categories.

Consumption

- **Electricity** consumption in the transport equipment industry is included with machinery.
- **Geothermal** direct use is overstated as it refers to heat production by **geothermal heat** pumps, which include inputs from electricity and/or gas in the transformation process.

- The breakdown of final consumption of electricity in the industry sector from 2000 to 2001 was estimated by the Secretariat.
- Data for direct use of **geothermal** heat and **solar thermal** heat are available from 1990.

Turkey

Sources

Ministry of Energy and Natural Resources (Enerji ve Tabii Kaynaklar Bakanlığı), Ankara.

Petrol İşleri Genel Müdürlüğü, Ankara.

Coal

General notes

- In the 2018 edition, revisions were conducted by the Turkish administration back to 1990 impacting the transformation and industrial sector. The revisions in the transformation sector were the result of new data submitted by the Turkish Electricity Transmission Company (TECT).
- In the 2017 edition, historical revisions on **coal tar** data were conducted by the Turkish administration due to new available information.
- In the middle of 2014, most autoproducer electricity, heat and CHP plants in Turkey were reclassified as main activity producer due to a change in the legislation. Although the licences of these plants changed, the administration decided to restore the affected plants' classification back to autoproducer in 2017 to harmonise with plant definitions in the IEA questionnaire.
- Data from 2012 onwards utilised the latest census data, causing breaks in time series between 2011 and 2012.
- Data from 2008 are provided from the results of an improved questionnaire. Significant changes occur in consumption patterns within the iron and steel industry, coal mining as well as across industry, residential and commercial/public services for **other bituminous coal**.
- Calorific values for fuels used for electricity, CHP and heat plants are obtained from data submitted to the Ministry of Energy and Natural Resources (MENR) by the Turkish Electricity Transmission Company, and these values may differ significantly from production and import values provided by MENR, causing imbalances for some years.

- Production of **gas works gas** declined in 1989 due to plant closures; the last plant closed in 1994. Use of **gas coke** and **gas works gas** ceased in 1994.
- Due to government regulations in industry and residential, in particular, there has been a shift from the use of domestically produced **coal** to imported **coal** and **natural gas**.

Transformation

- In the middle of 2014, most autoproducer plants in Turkey were reclassified as main activity producer due to a change in the legislation. Amongst other things, this brought the reporting of unsold heat and prorated inputs in line with IEA methodology.

Consumption

- In the 2018 edition, revisions on industrial coal consumption were conducted by the Turkish administration back to 2010 due to new available information.
- Privatisation of state owned coke ovens in recent years results in incomplete information on **coke oven gas** distribution.
- In the 2017 edition, consumption of **sub-bituminous coal** in construction has been reclassified by the Turkish administration as consumption in the non-metallic minerals industry.
- In 2015, a new survey was introduced by the Turkish administration to collect more detailed industrial consumption data, resulting in breaks in time series between 2014 and 2015.

Oil

General notes

- A project to upgrade the İzmit refinery was completed in 2015. This resulted in considerably higher refinery throughput in 2015, compared to previous years. The project included a new unit to convert high sulphur fuel oil into higher grade products, such as gas/diesel oil and motor gasoline, and producing petroleum coke as a by-product.
- In the 2016 edition, the Ministry of Energy revised time series for **kerosene-type jet fuel** from 2013. Sales to foreign airlines, previously accounted for under exports, are now reported under international aviation according to the IEA methodology. Data could not be revised for prior years. Exports of **jet kerosene** up to 2012 years may include international aviation consumption.

- In the 2016 edition, the Ministry of Energy revised crude oil net calorific values from 2010 due to a new methodology for calculating them.
- Production *from other sources (natural gas)* of **other hydrocarbons** corresponds to hydrogen used in refineries, also represented as the output of *non-specified transformation* in the balances format.
- From 2013, marine fuels are reported under **fuel oil** instead of **gas/diesel oil**.
- From 2012, **petroleum coke** data are reported.

Supply

- In 2014, the drop in **lubricants** imports and consumption is related to a legislation change effective 1st of January 2014 regarding base oil imports.
- From 2012, new information on **additives** imports (MTBE) data became available.
- From 2012, no exports breakdown is available for **white spirit, lubricants, bitumen** and **other products**.
- From 2010 data, more accurate NCVs for crude oil are available due to the implementation of a new survey.
- For the years 1978, 1980, 1981, 1983, 1984, international marine bunkers are included in exports.

Transformation

- **Gas/diesel oil** and **fuel oil** consumed to produce electricity are used in both oil and coal-fired plants.

Consumption

- For the 2015 data, new surveys were used to create a more detailed breakdown of the industry and other sectors. This led to breaks in time series between 2014 and 2015.
- From 2014, information on gas/diesel consumption in fishing is available.
- From 2013, additional information on **petroleum coke** cement consumption is available.
- Prior to 2012, consumption of **other oil products** in the chemical sector was included under *non-specified industry*.
- Between 2010 and 2011, breaks in consumption time series for **LPG, motor gasoline** and **gas/diesel oil** appear due to improved survey methods.
- Between 1977 and 1978, the end-use classification of **gas/diesel oil** and **fuel oil** were changed in the

Turkish national statistics resulting in breaks in time series.

Natural gas

Supply

- Exports reported by the Turkish administration represent transit gas.
- In 2008, there is a break in time series for stock changes due to a revision of storage capacity data.
- In December 2016, the first Floating Storage and Regasification Unit (FSRU) terminal started to work, allowing thus greater import quantities and stock levels.

Transformation

- *Non-specified transformation* of natural gas represents amounts used to produce hydrogen for hydrocracking in refineries.
- In the 2018 edition, Turkish administration revised 2014 and 2015 data, as some main activity producing plants in Turkey were reclassified as autoproducers.

Consumption

- In 2015, a new survey was introduced by the Turkish administration to collect industrial consumption data, resulting in a substantial decrease of consumption reported under *non-specified industry*.
- In 2013, energy use of **natural gas** in blast furnaces was zero, as gas was replaced by coal and coke.
- From 2009, there are some breaks in time series across all sectors, as consumption data started being collected by a different institution, the Turkish Energy Market Regulatory Authority.
- In 2006, there is a break in time series for non-energy use in chemical industry due to improvements in the classification.
- Prior to 2000, data for commercial/public services were included in the residential sector.
- Between 1999 and 2001, the decrease in natural gas petrochemical feedstocks is linked to the activity of the fertiliser industry.
- Since 1988, data for natural gas consumption in the chemical industry (for fertilisers) and in *non-specified industry* (dye industry) are available.
- *Non-specified industry* includes the natural gas distributed by OIZ (Organised Industrial Zones).

Biofuels and waste

General notes

- The Turkish administration only intermittently surveys **renewables and waste** used for power and heat. Due to this fact, some breaks may appear in the **biofuels and waste** time series.

Consumption

- Prior to 1998, consumption in the **wood and wood products** sector includes that of the paper, pulp and printing industry.

Electricity and heat

Supply

- *Other sources* **heat** production represent purchased steam (waste heat) from the industry, mainly from cement and glass manufacturing, while *other sources* **electricity** is the proportion of generation by plant obtained from this heat.
- Electricity production from **wind** is available starting in 1998.

Transformation

- In the 2006 edition, the Turkish Statistical Office started providing **electricity** and **heat** output on the basis of a new survey that revised time series back to 2000. This causes breaks in the time series between 1999 and 2000. Not all of the input time series have been revised.
- A new gas-fired main activity producer CHP plant was put into operation in 1999 and a new auto-producer electricity plant fuelled with coking coal started in 2000.
- Data for blast furnace gas for electricity and heat generation are available from 1995.
- Data on electricity generated from **biofuels** are available from 1991.
- In 1995, the Turkish administration reclassified autoproducer plants by type and source to be consistent with IEA definitions. This causes breaks between 1994 and 1995 for electricity production, most notably in plants fuelled by **biogases**.

Consumption

- Consumption data in the machinery sector includes transport equipment.
- Comprehensive data on electricity consumption are available from 1973. This causes a break in the time series between 1972 and 1973.

United Kingdom

Source

Department for Business, Energy and Industrial Strategy (BEIS), London.

Coal

General notes

- Oxygen steel furnace gas data are reported with **blast furnace gas** rather than as **other recovered gases**.
- In the 2017 edition, calorific values of **other bituminous coal** were revised for the period 2002-2015 due to a change in the methodology, impacting all flows.
- Prior to 1994, the consumption of substitute natural gas is included with **natural gas** while its production is included with **gas works gas**.

Supply

- Underground production of **other bituminous coal** in 2016 decreased due to the closure of Hatfield, Thoresby and Kellingley mines.

Transformation

- The consumption of **solid biofuels** increased in 2015, as the largest power station in the UK converted a further unit from **coal** to **biomass** mid-year, and the previously converted unit had a full year of operation in 2015 rather than just the last few months of 2014.
- The market decline in use of **other bituminous coal** from 2013 onwards for autoproducer electricity generation was due to a plant being sold to a dedicated main-activity electricity producer.

Consumption

- Consumption shown for the commercial/public services includes consumption of some of *non-specified other*.

Oil

General notes

- Breaks in time series occur for **LPG** between 2007 and 2008 due the inclusion of additional information from the petrochemical sector.
- For international marine bunkers and domestic navigation, a different bunkers methodology is

applied from 2008, in line with UK's National Atmospheric Emissions Inventory. From 2013 onwards, improved data are available for international marine bunkers. Deliveries to international marine bunkers may be underestimated in previous years.

- For consumption of oil products, the UK administration revised its methodology from 2008 to better track consumption of imported oil products and domestically refined oil products sold through third parties to final consumers.
- Breaks in time series appear in 2013 for **ethane, naphtha, white spirit, lubricants, bitumen, petroleum coke and other oil products**, as new information became available on the energy use of these products.
- From 2002 to 2004, products transfers data include backflows and interproduct transfers. From 2005 onwards, backflows were estimated by the UK administration.

Supply

- From 2008 data on **naphtha** and **motor gasoline** better reflects the blending of these products. Breaks in series may appear between 2007 and 2008.
- Between 2007 and 2008 breaks in time series appear for **NGL** as a result of the UK administration obtaining additional information on the destination of some upstream **NGL**. Previously classified as exports, these amounts now appear as transfers, mainly to **LPG**, then as consumption in the petrochemical sector.
- Condensates are reported in **NGL** from 1980 and in crude oil until 1979.
- **LPG** includes ethane until 1980.
- **Other hydrocarbons**, reported until 1994, correspond to bitumen production from coal.

Consumption

- Breaks in time series may occur in the consumption of **gas/diesel oil** between 2011 and 2012,, following the UK administration's improved access to customs trade data, in particular duty figures for demand in agriculture.

Natural gas

General notes

- Since 1992, distribution losses include metering differences and losses due to pipeline leakage.

Supply

- In the 2018 edition, UK administration revised the supply balance back to 2008 to update Norwegian imports from two terminals previously reported as indigenous production.
- In 2002, the increase in imports is due to increased supplies from the Norwegian sector of the North Sea through the Vesterled pipeline, which was commissioned in the 4th quarter of 2001.

Transformation

- The natural gas reported in coke-oven transformation is used to form synthetic coke oven gas rather than undergoing a coking process.

Consumption

- In the 2018 edition, natural gas consumption in the sectors of industry, residential, commercial and public services, was revised back to 2008 to include information from other data sources such as the Purchases Inquiry, EU ETS and ONS Index of Services and Production.
- Before 2008, the commercial sector consumption is included in *non-specified other*, while that of public services is shown separately.
- Between 2007 and 2008 there are some breaks in time series in sectoral consumption due to a new methodology of data estimation.
- Natural gas consumption includes substitute natural gas made at gas works and piped into the natural gas distribution system.
- *Non-specified industry* represent to sales by independent gas suppliers unallocated by category.
- Consumption by the mining and quarrying and the wood and wood products sectors is included in *non-specified industry*.
- *Non-specified energy* includes gas used for heating and pumping operations in the distribution network.

Biofuels and waste

General notes

- In the 2017 edition, the UK government revised the data time series for **municipal waste** and **solid biofuels** back to 2001. As a result, breaks in time series may occur between 2000 and 2001.

Transformation

- From 2015, the UK administration started collecting data from the main-activity **solar PV**

companies. Prior to this, all data were included under autoproducers.

- The consumption of **solid biofuels** has increased in 2015, as the largest power station in the UK halfway through the year converted a further unit from coal to biomass, plus the previously converted unit had a full year of operation in 2015 rather than just the last few months of 2014.
- Prior to 2013, due to data confidentiality reasons, one or two main-activity **municipal waste** plants had to be included within the autoproducer plant category. Since 2013, as there have been at least three main-activity companies, these plants have been reclassified from autoproducer plant to main activity electricity plant, with some CHP plants included under main electricity due to confidentiality reasons.

Consumption

- The UK administration undertook a survey of domestic wood consumption in 2015 and revised figures back to 2008. This resulted in breaks in time series for **solid biofuels** consumption in residential between 2007 and 2008.
- In the 2018 edition, following a review of the consumption of **biogases** and **municipal wastes** for 2015 and 2016 data, data that were allocated to other sectors have been reallocated to the industry sectors. This has caused a break in time series between 2014 and 2015. A review prior to 2015 is expected in the next cycle.

Electricity and heat

General notes

- For the United Kingdom, it is necessary to combine figures for main activity producers and autoproducers in order to prevent the disclosure of information relating to less than three electricity generating companies, since this information is considered confidential. For this reason, data for main activity producer CHP plants have been included with autoproducer CHP plants from 1988. Prior to 1988, electricity output from CHP plants was included with autoproducer electricity plants.
- The re-organisation and subsequent privatisation of the electricity supply industry in 1990 has resulted in some breaks in time series.

Supply

- Large declines in electricity generation from coal-fired power since 2013 are due to concrete plans to

phase out coal use for electricity generation entirely by 2025. Alternative generation has been supplied by increases from other sources, including biomass, natural gas, nuclear, solar and wind generation, and increases in imports through undersea HVDC interconnectors.

- Electricity production data for **solar PV** are available from 1999.
- The launch of a feed-in-tariff scheme in April 2010 resulted in a rapid increase of capacity and corresponding electricity production growth from **solar PV** in the following years.
- In 1996, the break in electricity production from **nuclear** is due to a reclassification of plants from autoproducer to main activity producer plants.
- Data on electricity production from **wind** is available from 1989.

Transformation

- In 2007, outputs of electricity from **petroleum coke** are included in **fuel oil**.
- Prior to 2003, all outputs of electricity and heat from **oil products** are reported in the other oil products category.
- **Heat** production from autoproducers is available starting in 1999.
- Inputs and output from **natural gas** for main activity producer electricity production are included in autoproducer electricity for 1990 (for reasons of confidentiality).

Consumption

- Consumption in gas works includes electricity use in the transmission/distribution of public supply gas.
- Consumption in the non-metallic mineral products sector includes mining and quarrying.
- **Electricity** consumption in coal mines includes consumption in patent fuel plants.
- Data for **electricity** consumption in transport was classified by sub-sector only starting from 2004 resulting in a break in time series between 2003 and 2004. Prior to 2004, *non-specified transport* includes consumption for traction by urban rails and road vehicles, and consumption for non-traction by railways and bus stations and airports. From 2004 onwards, road vehicles consumption is included under road transport. Prior to 2004,

electricity consumption in rail refers to industrial rail only. From 2004 onwards it includes both industrial and urban rail.

- Consumption in the machinery sub-sector includes that of the transport equipment industry before 1996.
- Starting in 1990, small amounts of **electricity** used in heat pumps have been included in residential.
- From 1984 onwards, the **electricity** consumption in the *non-specified industry* sector includes that of the wood and wood products sub-sector and unallocated consumption. The unallocated consumption comes from data reported as 'Other industries' by companies and includes Standard Industrial Classification (SIC) codes 7, 22, 31, 32, 33.19, 36, 38.3.
- **Electricity** consumption in energy non-specified sub-sector is primarily made up of 'gas and electricity supply' and includes Standard Industrial Classification (SIC) codes 24.46 and 35.

United States

Source

US Energy Information administration, Washington D.C.

General notes

- End-use energy consumption data for the United States present a break in time series with historical data due to a change in methodology in 2014. The break in time series occurs between 2011 and 2012 for oil; and between 2001 and 2002 for electricity and natural gas. The new methodology is based on the last historical year of the most recent Annual Energy Outlook (AEO) publication. Changes occur primarily in reported end-use energy consumption in the industrial sector and its subsectors, including the non-manufacturing industries of mining, construction and agriculture. Historical revisions are pending. Due to other changes in reporting methodologies, there are numerous breaks in time series for the US data, particularly in 1992, 1999, 2001, 2002 and 2013. Care should be taken when evaluating consumption by sector since inputs of fuel to autoproducers are included in final consumption for some years. No data are available for most energy products in the construction and mining and quarrying industries.

Coal

General notes

- Since the Energy Information Administration (EIA) and the US Department of Commerce do not collect separate data on **patent fuel** exports by country, total exports data of **patent fuel** are included in the exports of **other bituminous coal**.
- **Coal tar** as a by-product of coke ovens is not currently reported.
- In 2002, the United States reported “synfuel” production as **patent fuel** for the first time. Prior to 2002, the consumption of this fuel was reported with **other bituminous coal**. Production ceased in 2007 for economic reasons.
- **Hard coal** data prior to 1978 may include **sub-bituminous coal**.

Supply

- *Other sources coal* production represents coal production that does not have a Mine Health and Safety Administration (MSHA) identifier.

Oil

General notes

- In the 2018 edition, the US administration revised data back to 2011 for several products owing to the introduction of a number of methodological changes. This results in a number of breaks in the time series between 2010 and 2011, particularly in the consumption data.
- From 2011 onwards, olefins are reported under other oil products instead of LPG.
- Breaks in time series due to methodology improvements and newly available information to the US administration also appear in historical data: in 1990 for fuel oil (new methodology for marine bunkers); in 1992 for LPG/NGL (specific densities); in 1993 for oxygenates (new collection system to accommodate the revised Clean Air Act); in 1994 for motor gasoline (new model from the US Department of Transportation); in 1999-2000 for industry consumption (new available data from the 2002 MECS survey); in 2001 for fuel oil (changes in methodology for classifying imports of unfinished oils) and in 2011 for refinery gas (new density).

Supply

- In the 2018 edition, the breakdown of exports by destination of low sulphur fuel oil and high sulphur fuel oil is not available. The time series was revised back to 2011.
- High statistical differences for crude oil represent “unaccounted for crude oil”, the difference between the supply and disposition of crude oil.
- From 2013, the US administration reports exports of **refinery feedstocks**, some of which were previously reported under **white spirit and SBP**.
- Stocks changes for **gas/diesel oil, fuel oil and petroleum coke** were estimated by the IEA Secretariat from 1996 onwards to include stock changes at utilities.

Transformation

- From 2002 onwards, the IEA Secretariat has estimated the amounts of refinery gas used for auto-producer electricity production.

Consumption

- Between 2010 and 2011, end-use energy consumption data for the United States present a break in time series due to a change in methodology. For the period 2011-2016, quantities of non-energy use of LPG in chemical and petrochemical, and of other oil products in non-specified industry have been estimated by the IEA Secretariat.
- From 2013 onwards, road use lubricants are reported under non energy consumption in transport equipment, machinery, and wood and wood products. Previously, such quantities were reported under non-specified industry.
- From 1995 onwards, **LPG** inputs to gas works are included in industry.

Natural gas

Supply

- In the 2017 edition of this publication, the indigenous production data for 2014 was revised by the US administration creating a break in the time series between 2013 and 2014 due to a change in the methodology. In addition, this increased the statistical difference that remained high in 2015 and 2016.

- From 1990 to 2002, the amounts of gas works gas that are blended with natural gas have been estimated on the basis of the output efficiency of the process.
- The exports have increased since 2015, due to new liquefaction capacity (i.e. Sabine Pass) coming online at the end of that year.

Transformation

- Since 2012, data reported under *non-specified transformation* represent **natural gas** used for hydrogen manufacture. Prior to 2012, these quantities are reported under the petrochemical sector.
- Between 1999 and 2000, there are some breaks in time series for the transformation subsectors due to a new data reporting method.
- Between 1990 and 2002, the amounts of gas works gas that are blended with natural gas have been estimated on the basis of the output efficiency of the process.
- Since 1989, consumption by autoproducer CHP plants is available, while consumption by autoproducer electricity and main activity producer CHP plants is available since 1991. Prior to these years, these consumptions are included with industry and commerce/public services.

Consumption

- The administration of the United States made significant revisions to the iron and steel model in the 2017 edition. For this reason, there is a break in the time series between 2014 and 2015 for the consumption in blast furnaces (energy).
- Until 2001, agriculture and forestry consumption is included under industry.
- From 1995 to 2001, the detailed breakdown of industry consumption is estimated by the Energy Information Administration using the Manufacturing Energy Consumption Survey (MECS), which is conducted quadrennially.
- Prior to 1995 a detailed breakdown of industry consumption is not available (between 1990 and 1994, chemical consumption is estimated by the American administration).
- In 1991 data on natural gas use in the road sector were collected for the first time, and are not available for previous years.
- *Non-specified energy industry own use* represents gas consumed for the production of ethanol.
- Consumption in fisheries is included under industry.

Biofuels and waste

General notes

- Due to the change in reporting methodology for **liquid biofuels**, breaks in time series occur between 2009 and 2010. This is especially noticeable in **biodiesel** time series.

Supply

- Data for production of **industrial waste** have been decreasing since May 2014 due to reclassification, resulting in a break in series between 2013 and 2014.
- Indigenous production of **biodiesel** is estimated in 2010 based on the EIA's Monthly Energy Report.

Transformation

- The EIA collects generation and consumption data from all plants 1 MW or more in capacity.

Consumption

- Some amounts of the statistical differences in **biodiesel** for the years 2010 – 2016 may be partially allocated to consumption in the transportation sector. A revision is expected with the next data release.
- Due to an improved estimation, there are some breaks in time series of the industry sector and other sectors between 2009 and 2010: for industry, **geothermal**, **biogases** and **industrial waste** (paper, pulp and printing); for other sectors, **geothermal** and **solar thermal**.

Electricity and heat

General notes

- **Geothermal** supply and transformation data are estimated by the IEA Secretariat starting in 2009 because of efficiency discrepancies.
- Between 2001 and 2002, there are breaks in time series concerning the total production of electricity and heat in the United States. Comprehensive data on electricity and heat production and consumption in main activity producer electricity, CHP and heat plants and autoproducer electricity and CHP plants are not available for all years.

Supply

- The IEA Secretariat estimated US **solar PV** electricity generation from autoproducers starting in 1999 by multiplying the dispersed and distributed

PV capacity estimated by the US administration by an average capacity factor of 12%. The capacity factor was based on a report published in 2007 by the IEA Photovoltaic Power Systems Programme, Cost and Performance Trends in Grid-Connected Photovoltaic Systems and Case Studies. The corresponding consumption of electricity has been included under *non-specified other*.

- Data for electricity absorbed by pumping and electricity production from **pumped storage** plants became available starting in 1987.
- Discrepancies occur between respective reported figures for electricity trade between the US and Mexico for the years 2013 to 2016, and between the US and Canada for 2016.

Transformation

- Beginning with 2016 data, the calculation for **heat** production in CHP plants has changed, resulting in breaks in time series. The United States administration is currently unable to apply this methodology to historic years, so will only cover heat data for 2016 onwards. As a result of this methodology change, several combustible fuel power plants have their overall efficiency values increased, recording increased heat production. The previous methodology existed for the years 2006 to 2015, so further breaks exist between 2005 and 2006.
- For 2016, **electricity** and **heat** generation from some types of coal and some plant types were estimated by the IEA Secretariat, based on an initial submission from the US administration and subsequent reclassification of portions of this coal between coal types.
- Accurate accounting of **coke oven gas** and **refinery gas** inputs is not always possible, which can lead to efficiencies of over 100% in main activity producer CHP plants.
- *Other sources* **electricity** production represents purchased steam and waste heat from industries.
- The low efficiencies from 2011 for **other bituminous coal** autoproducer electricity plants are due to the fact that one unit; the Albany Brewery Power Plant only produces unsold heat, and is reported in the wrong category of plant.
- From 2007 to 2009, heat from **industrial waste** includes recovered heat from industrial processes. From 2010, the electricity produced from recovered heat is reported under **other sources**.
- The decline in **patent fuel** used for electricity production in 2008 and subsequent cessation in 2009 is a result of the termination of the “synthetic fuel from coal” tax credit in 2008, which had been in the order of \$20 to \$25 USD per tonne, and while intended to deal with coal liquefaction and similar technologies, it had spawned an industry of cosmetic upgrading as a tax minimisation vehicle.
- From 2004 to 2013, the EIA reported electricity and heat production from **anthracite** under **other bituminous coal**. The Secretariat estimated the split of generation output by fuel type based on the assumption that the plant efficiencies of the aggregate are equal to that of each part.
- Starting in 2002, autoproducer electricity output for **oil** includes generation from **refinery gases** with a low average calorific value. Prior to 2002, this output was not accounted for.
- Prior to 2001, some data on plants consuming **sub-bituminous coal** and **lignite** have been estimated by the Secretariat using information provided in the EIA’s Annual Electricity Generator Report – Utility.
- Data for **peat** are confidential between 1994 and 1998 and from 2000 are not reported.
- Prior to 2000, autoproducers include small and independent power producers which under IEA definitions are considered as main activity producers. Production from these small and independent power producers accounts for about 25% of reported production of electricity by autoproducers in the United States. This reclassification causes breaks between 1999 and 2000.
- In the 2003 edition, the United States administration reclassified some plants to autoproducers. This reclassification causes more breaks between 1998 and 1999.
- Data for **heat** produced in main activity producer heat plants are available from 1992 to 1999, and for autoproducer CHP plants for 1989 to 1999.
- From 1999 onwards, the fuel used in **heat** production by autoproducers is included in final consumption because the US administration cannot distinguish between the heat used directly on-site and the heat sold. Therefore, this may underestimate the heat sold to third parties.
- Prior to 1999, **solar thermal** electricity production includes generation from natural gas because some natural gas units are attached to **solar thermal** plants and their production could not be separated.

- Prior to 1991 some of the fuel inputs to **electricity** and **heat** production reported for autoproducer plants are reported as final consumption in the particular economic sector in which the autoproducer is operating.
- Prior to 1989, there are no generation data available from autoproducers.
- **Sub-bituminous coal** inputs for electricity and heat production are included in **hard coal** before 1983.

Consumption

- Consumption breakdown data for **electricity** are modelled based on data obtained from the Annual Energy Outlook and conversion factors. These data are based on fiscal values rather than physical tonnage, so if commodity prices increase or decrease between AEO versions and the conversion factors are not updated, derived changes in consumption may appear that are not supported by physical changes in production, or actual changes in consumption. For example in 2016, production of steel in electric arc furnaces increased by 6%, however consumption of electricity in the *iron and steel* industry was reported as declining by 17%.
- For the 2017 edition, the breakdown of final electricity consumption for 2015 was based on the results of the Annual Energy Outlook (AEO) of 2016. Breaks in time series appear in the mining and agricultural electricity consumption sectors as a result of introduction of individual industry benchmarking for 2015 results. Changes in iron and steel, and pulp and paper data from 2014 to 2015 are the result of fundamental revisions of the iron and steel and pulp and paper models between AEO2014 and AEO2016 as well as the use of individual industry benchmarking for AEO2016. These changes are a few notable examples of series changes, and any series can change between AEO releases because of data updates and methodology changes.
- Prior to 1991, total consumption of **heat** sold referred to consumption in commercial/public services.
- No data are available for **heat** sold that is consumed in the residential and agriculture/forestry sectors for any years.
- Data for direct use of **solar thermal** heat in residential are available from 1999.
- Since 1995, **heat** consumption data by sector are no longer collected, and have been estimated by the Secretariat, resulting in breaks in time series between 1994 and 1995, and 1999 and 2000.
- Data for consumption of **heat** sold in industry are available from 1991 and in energy industry own use from 1992.

NON-OECD COUNTRIES

Before 2016, the IEA Secretariat published separately “Energy balances of non-OECD countries” and “Energy balances of OECD countries”. The two were combined into “World energy balances” in 2016.

When making references to “this publication”, it includes “Energy balances for non OECD countries” produced until 2016.

In the references below, both the statistical year (2016) for which data are being published in this edition, as well as publication dates of the many documents which have been consulted during the development of this publication are mentioned. As a general rule, where specific documents or personal communications have been used, the date that is referenced is the date of publication of the document or the date of the communication, whereas, where data received through the completion of questionnaires are mentioned, the date that is referenced is the statistical year for which data are being published in this edition, namely 2016.

Data may not include all informal and/or illegal trade, production or consumption of energy products, although the IEA Secretariat makes efforts to estimate these where reliable information is available.

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Note:

- EU4Energy is a 4-year (2016-2020) EU-funded programme working to support evidence-based energy policy and decision making in the areas of energy security, energy markets and sustainable development in 11 focus countries - Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan and Ukraine. The IEA is responsible for the programme's energy-data management and data use in policy design.
- The OLADE database was used for several Non-OECD Americas countries.
- The UN database was the only source of information for time series of the countries not listed individually and included in the regions Other Africa, Other non-OECD Americas and Other non-OECD Asia. It was also used in a number of other countries as a complementary data source.

Albania

General notes

Before 1993, large quantities of oil, widely reported to have moved through Albania into Former Yugoslavia, are not included in oil trade. Although they might have represented up to 100% of domestic consumption levels, no reliable figures for this trade are available.

Starting from 2011, motor gasoline consumption is reported in the residential sector. This consumption corresponds to motor gasoline used in electricity generators.

Sources

Sources 2011 to 2016:

- Direct communication with the National Agency of Natural Resources, Tirana.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.

Sources 2005 to 2010:

- *Energy Balances 2005-2010*, Energy Department of the National Agency of Natural Resources of Albania, Tirana.
- IEA Secretariat estimates.

Sources up to 2004:

- Joint IEA/Eurostat/UNECE annual energy questionnaires 1994, 1995, 1998.
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- IEA Secretariat estimates.

Sources for biofuels and waste:

- The UN Energy Statistics Database.
- Joint IEA/Eurostat/UNECE annual energy questionnaire on renewables.
- IEA Secretariat estimates.

Algeria

General notes

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Revisions were made to the energy balances in 2009 and 2010 which add more detail for certain products and flows. This may result in breaks in time series between 2008 and 2009.

Sources

Sources 1990 to 2016:

- Direct communication with the Ministry of Energy and Mining, Algiers.

Additional sources 2008:

- SONEGASZ, Société nationale de l'électricité et du gaz, online statistics on electricity production, Algiers.

Sources up to 1989:

- *Annuaire Statistique de l'Algérie 1980-1984*, Office National des Statistiques, Algiers, 1985.
- *Bilan Energétique National*, Gouvernement Algérien, Algiers, 1984.
- *Algérie Energie, N° 6*, Ministère de l'Énergie et des Industries Chimiques et Pétrochimiques, Algiers, 1979 to 1983.

Sources for biofuels and waste:

- The UN Energy Statistics Database.
- Direct communication with the Ministry of Energy and Mining, Algiers.
- IEA Secretariat estimates.

Angola

General notes

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

The natural gas export terminal, Soyo, began operations in 2013 and halted operations in 2014. Soyo terminal re-opened in 2016. Breaks in time series in natural gas export, supply, and consumption can be observed between 2013 and 2016.

In the 2018 edition, revisions to biofuels and waste data are due to revisions in population data for Angola.

Sources

Sources 2003 to 2016:

- Direct communication with the Ministério da Energia e Águas (Ministry of Energy and Water), Luanda.
- *Relatório de Gestão e Contas*, Sonangol E.P, Luanda, various editions up to 2016.
- *Balanço da Produção & Informação sobre o Sector de Petróleo e Gás & Balanço da Refinaria de Luanda*, Ministério dos petróleos, Luanda, 2013.
- *Relatório de Actividades do Sector Petrolífero*, Ministério dos petróleos, Luanda, 2007 and 2008 editions.
- *Annual Report*, Southern African Power Pool, Harare, various editions up to 2012.
- IEA Secretariat estimates.

Sources 1992 to 2002:

- Direct communication with oil industry sources.
- IEA Secretariat estimates.
- *Eskom Annual Statistical Yearbook, 1993, 1994, 1995* citing Empresa Nacional de Electricidade as a source, Johannesburg, 1994-1996.
- The UN Energy Statistics Database.

Sources up to 1991:

- *Le Pétrole et l'Industrie Pétrolière en Angola en 1985*, Ambassade de France, Poste d'Expansion Economique de Luanda, Luanda, 1985.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1991 data from African Energy Programme of the African Development Bank, *Forests and Biomass Sub-sector in Africa*, Abidjan, 1996.

Argentina

General notes

Since 2010 a different methodology was adopted by Argentina for reporting refinery flows leading to more detailed information (e.g. reprocessing of some oil products). This may result in breaks in time series between 2009 and 2010.

Sources

Sources up to 2016:

- Direct communication with the Ministry of Economy, Secretariat of Energy, Buenos Aires.
- *Balance Energético Nacional*, Ministerio de Economía, Secretaria de Energía, Buenos Aires, various editions up to 2016.
- *Informe del sector eléctrico*, Ministerio de Planificación Federal, Inversión Pública y Servicios, Secretaria de Energía, Dirección Nacional de Prospectiva, Buenos Aires, various editions up to 2017.
- *Información del mercado de hidrocarburos*, Ministerio de Planificación Federal, Inversión Pública y Servicios, Secretaria de Energía, Dirección Nacional de Prospectiva, Buenos Aires, various editions up to 2017.
- *Informe Enargas*, Enargas, Buenos Aires, various editions up to 2017.
- Camara Argentina de Biocombustibles, online statistics.
- *Informe del sector eléctrico*, Ministerio de Economía, Secretaria de Energía, Buenos Aires, 1986 to 2003.
- *Anuario de Combustibles*, Ministerio de Economía, Secretaria de Energía, Buenos Aires, 1980 to 2003.
- *Anuario Estadístico del sector energético Argentino*, Instituto Argentino de la Energía "General Mosconi", Buenos Aires, 2000.
- *Anuario Estadístico de la República Argentina*, Instituto Nacional de Estadística y Censos, Buenos Aires, September 1997.
- *Boletín Mensual de Combustibles*, Ministerio de Obras y Servicios Públicos, Secretaria de Energía, Buenos Aires, various editions.
- *Natural Gas Projection up to 2000*, Gas del Estado Argentina, Buenos Aires, 1970, 1984 to 1986.

- *Anuario Estadístico de la República Argentina 1970-1981*, Instituto Nacional de Estadística y Censos, Secretaría de Planificación, Buenos Aires, 1982.
- *Plan Energético Nacional 1986-2000*, Ministerio de Economía, Secretaría de Energía, Subsecretaría de Planificación Energética, Buenos Aires, 1985.
- *Anuario Estadístico*, Yacimientos Petrolíferos Fiscales, Buenos Aires, 1984 to 1987.
- *Memoria y Balance General*, Yacimientos Petrolíferos Fiscales, Buenos Aires, 1984 to 1986.

Armenia

General notes

Data for Armenia are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Armenia is one of the 11 EU4Energy focus countries.

Since 2015, more accurate data on electricity and CHP plants became available. This might lead to breaks in time series for 2014-2015.

From 2015, survey data on the consumption of energy products in Armenia are available. Partial data were already available for 2014 for some products as Armenia ran a pilot survey. Prior to 2014, consumption data were not available and have been estimated by the IEA Secretariat based on supply. Therefore breaks in time series occur between 2013 and 2014 and 2014 and 2015. 2015 should be used as reference year. Data for 2014 and prior estimates may be revised after a few years of survey results.

Sources

Sources 2014-2016:

- Direct communication with National Statistical Service, Yerevan.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- IEA Secretariat estimates.

Sources 1992 to 2013:

- Direct communication with National Statistical Service, Yerevan.
- Joint IEA/Eurostat/UNECE annual energy questionnaires on Coal, Electricity and heat, Natural gas, Oil.
- IEA Secretariat estimates.

Sources 1990 to 1991:

- IEA Secretariat estimates.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaires on renewables, 2014-2016.
- Prior to 2014: *Forestry Statistics*, FAO, Rome, IEA Secretariat estimates.

Azerbaijan

General notes

Data for Azerbaijan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Azerbaijan is one of the 11 EU4Energy focus countries.

Natural gas production data may differ from Azerbaijan national energy balance. Natural gas produced and used in the oil and gas extraction industry is counted by the IEA Secretariat in natural gas production.

Breaks in time series appear for inputs and outputs of electricity, CHP and heat plants in Azerbaijan between 2006 and 2007 due to an improved data collection methodology in the country from 2007 onwards.

For the purpose of calculating CO₂ emissions, an allocation between domestic and international aviation consumption of jet kerosene was estimated by the IEA Secretariat for 1990-2006 based on total aviation consumption reported by Azerbaijan and the 2007 allocation.

A break in time series may be observed between 2015 and 2016 consumption data due to a household consumption survey.

Sources

Sources 1990 to 2016:

- Direct communication with the State Committee of Statistics and the Ministry of Economics of Azerbaijan, Baku.
- Joint IEA/Eurostat/UNECE annual energy questionnaires, 1992 to 2016.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaires on renewables, 2000-2016.
- Before 2000: IEA Secretariat estimates.

Bahrain

General notes

Crude oil production includes half the production from the Abu Sa'fah field, which is shared with Saudi Arabia.

Consumption of natural gas for autoproducer power generation may include quantities used for non-power generation purposes.

Estimations of the use of petroleum coke in the manufacture of aluminium have been made to track this consumption from 2000 onwards. This may lead to breaks in time series between 1999 and 2000.

Historical revisions in LPG, naphtha and refinery gas data from 2011 are consistent with official report from Bahrain National Gas Company. Breaks in time series are observed in 2011 for LPG exports.

Sources

Sources 1992 to 2016:

- Direct communication with National Oil and Gas Authority of Bahrain, Manama.
- *Statistics 2005-2016*, National Oil and Gas Authority of Bahrain, Manama.
- *Annual Pamphlet 2013-2016*, Bahrain National Gas Company, Riffa.
- *EWA Statistics 2016*, Electricity and Water Authority- Kingdom of Bahrain, Manama.
- *Online statistics 2000-2016*, Central Informatics Organization (CIO), Manama, Kingdom of Bahrain.
- *Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTE), Amman, various editions up to 2016.
- *Statistics 2007 and 2008*, Electricity & Water Authority, Manama.
- *Statistical Abstract, 1994, 1998, 1999, 2000, 2001, 2002 and 2003*, Council of Ministers, Central Statistics Organisation, Bahrain.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources up to 1991:

- *Statistical Abstract 1990*, Council of Ministers, Central Statistics Organisation, Manama, 1991.

- *1986 Annual Report*, Bahrain Monetary Agency, Manama, 1987.
- *B.S.C. Annual Report*, Bahrain Petroleum Company, Manama, 1982-1984.
- *Foreign Trade Statistics*, Council of Ministers, Central Statistics Organisation, Manama, 1985.
- *Bahrain in Figures*, Council of Ministers, Central Statistics Organisation, Manama, 1983-1985.

Bangladesh

General notes

Data are reported on a fiscal year basis, beginning on 1 July and ending on 30 June of the subsequent year.

In 2013, time series were revised from 2008 to 2011 based on data retrieved from the Bangladesh Power Development Board. This may result in breaks in time series between 2007 and 2008 for electricity.

In 2014, time series were revised from 2004 to 2012 based on new data on petroleum products retrieved from the Bangladesh Petroleum Corporation and the Eastern Refinery Limited. This may result in breaks in time series between 2004 and 2005 for primary and secondary oil products.

Sources

Sources 2008 to 2016:

- *Annual Report*, PetroBangla - Bangladesh Oil, Gas and Mineral Corporation, Dhaka, various editions up to 2016.
- *Annual Report*, Bangladesh Power Development Board (BPDB), Dhaka, various editions from 2007 to 2016.
- *Annual Report*, Dhaka Electric Supply Company Limited (DESCO), Dhaka, various editions from 2008 to 2017.
- *Bangladesh Economic Review*, Ministry of Finance, Dhaka, various editions from 2008 to 2017.
- *Coal Recent Mine Activities*, Barapukuria Coal Mining Company Limited (BCMCL), Dhaka, 2017.
- Statement of total coal production, sale, delivery and stock position, Barapukuria Coal Mining Company Limited (BCMCL), Dhaka, 2017.

- *Production Activities*, Eastern Refinery Limited, online statistics: erl.com.bd, 2016.
- *Commercial & Operation – Petroleum products*, Bangladesh Petroleum Corporation (BPC), online statistics: www.bpc.gov.bd.
- IEA Secretariat estimates.

Sources 1996 to 2007:

- US Agency for International Development, Dhaka, 2003 to 2008.
- IEA Secretariat estimates.
- *Statistical Yearbook of Bangladesh 1996 to 1999*, Ministry of Planning, Bangladesh Bureau of Statistics, Dhaka, 1997 to 2000.

Sources 1992 to 1995:

- *Statistical Pocket Book of Bangladesh*, Ministry of Planning, Bangladesh Bureau of Statistics, Dhaka, 1986 to 1996.
- The UN Energy Statistics Database.

Sources up to 1991:

- *Bangladesh Energy Balances 1976-1981*, Government of Bangladesh, Dhaka, 1982.
- *Statistical Yearbook of Bangladesh 1991*, Government of Bangladesh, Dhaka, 1976 to 1991.
- *Monthly Statistical Bulletin of Bangladesh*, Ministry of Planning, Bangladesh Bureau of Statistics, Statistics Division, Dhaka, June 1986 and October 1989.

Sources for biofuels and waste:

- *Forestry Statistics*, FAO, Rome, 2014.
- IEA Secretariat estimates.

Belarus

General notes

Data for Belarus are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Belarus is one of the 11 EU4Energy focus countries. In 2016, due to reclassification of enterprises' economic activities break in time series can be observed in autoproducers' electricity, CHP plant and non-specified industry sector.

Imports of refinery feedstocks were recorded for the first time in 2015.

In 2016 edition methane produced as a by-product during the petrochemical transformation of naphtha was re-classified by Belarus for the period 1998-2011 from industrial waste to refinery gas. This may lead to breaks in time series between 1997 and 1998.

Jet kerosene was reported under "other products" until 2012. Breaks in time series appear in gas/diesel and fuel oil between 2011 and 2012 as a result of a new classification of industrial products (heating oil re-classified under high sulphur fuel oil).

Oil trade in 2010 shows a significant drop due to higher customs fee of imported quantities of crude oil from Russian Federation.

Since January 2010, Belarus became a member of a Customs Union with Russia and Kazakhstan. Breaks in trade time series and statistical differences appear from 2009 to 2011 as the Customs progressively shifted from one accounting system to another. Belarus reports all inputs and outputs to CHP and heat auto-producer plants including those corresponding to own use of heat.

Sources

Sources 1990 to 2016:

- Direct communication with the National Statistical Committee of Belarus, Minsk.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaires on renewables.
- IEA Secretariat estimates.

Benin

General notes

In the 2017 edition, times series were revised from 2011 to 2014 based on new data received from the Ministry of Energy, Water, and Mines. Breaks in time series may occur between 2010 and 2011.

Sources

Sources 1999 to 2016:

- *Système d'Information Energétique du Bénin (SIE-Bénin)* 2015, Direction Générale de l'Energie, Ministère de l'Energie, de l'Eau et des Mines.
- Direct communication with the *Ministère des Mines, de l'Energie et de l'Hydraulique*, Cotonou, through the WEC-IEA Joint Energy Reporting Format for Africa, 1999 to 2002, 2004, 2006, 2007, 2011, 2012.
- IEA Secretariat estimates.

Sources up to 1998:

- Direct communication with the Secretariat, Direction de l'Energie, Cotonou, 1999, 2000.
- Direct communication with the electricity utility, Cotonou, 1998 to 1999.
- *The UN Energy Statistics Database*.
- *Rapport sur l'Etat de l'Economie Nationale*, Ministère de l'Economie, Cotonou, September 1993.
- IEA Secretariat estimates.

Sources for biofuels and waste up to 1995:

- IEA Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

Bolivia

General notes

Due to new information available in 2018, 2015 data were revised.

In this edition, time series for solid biofuels were revised from 2000 to 2015 due to revisions in the OLADE balances.

Data for international aviation bunkers are estimated by the IEA Secretariat based on passenger data.

Breaks in time series for solid biofuels occur between 2009 and 2010. This is due to differences in definitions between Bolivia and IEA.

Sources

Sources 1992 to 2016:

- *Balance Energético Nacional*, 2015 and 2016. Ministerio de Energías, La Paz, 2018.
- *Anuario Estadístico*, Autoridad de Fiscalización y Control Social de Electricidad, La Paz, 2016.
- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed April 2018: <http://sier.olade.org/>.
- *Boletín Estadístico*, Yacimientos Petroliferos Fiscales Bolivianos, La Paz, 2008 to 2015.
- *Balance Energético Nacional 2000-2014*, Ministerio de Hidrocarburos y Energía, La Paz, 2014.
- *Anuario Estadístico*, Agencia nacional de hidrocarburos, various editions from 2013 to 2014.
- *Anuario Estadístico*, Ministerio de Hidrocarburos y Energía, La Paz, 2012.
- *Memoria Anual*, Comité Nacional de Despacho de Carga, 2011.
- *Informe Estadístico*, Yacimientos Petroliferos Fiscales Bolivianos, La Paz, various editions from 1992 to 1998.
- *Anuario Estadístico*, Superintendencia de Electricidad, La Paz, various editions from 1996 to 2007.
- IEA Secretariat estimates.

Sources up to 1991:

- *Boletín Estadístico 1973-1985*, Banco Central de Bolivia, División de Estudios Económicos, La Paz, 1986.
- *Diez Anos de Estadística Petrolera en Bolivia 1976-1986*, Dirección de Planeamiento, Division de Estadística, La Paz, 1987.
- *Empresa Nacional de Electricidad S.A. 1986 Ende Memoria*, Empresa Nacional de Electricidad, La Paz, 1987.

Bosnia and Herzegovina

General notes

Data for Bosnia and Herzegovina are available starting in 1990. Prior to that, they are included in Former Yugoslavia.

Energy statistics are available from the Agency for Statistics of Bosnia and Herzegovina (BHAS) from 2008 for electricity and heat and from 2009 for coal and natural gas. As a consequence, breaks in time series may occur between 2007 and 2008 for electricity and heat and 2008 and 2009 for other products.

Until 2012, the source for crude oil and secondary oil products data is the publication “Industrial Production Bosnia and Herzegovina 2012” and “Oil Trade Data” both produced by the Agency for Statistics of Bosnia and Herzegovina.

In 2014, BHAS conducted their first survey on oil product consumption. Breaks in time series may occur between 2012 and 2013.

In 2015, BHAS conducted their first household survey on biomass consumption. Due to this newly available data breaks in time series may occur between 2013 and 2014. Also, due to the ongoing work of BHAS to further improve the biomass data quality, data for the period 2014-2016 were revised in this edition

In this edition, data on blast furnace gas and coke oven gas production became available for 2016. Also, the calorific values of coking coal and coke oven coke were revised for 2014-2016. This may result in breaks in time series on the efficiencies of blast furnaces and coke ovens between 2013 and 2014. In 2018, BHAS received technical expertise from the IEA Secretariat and reallocated inputs of sub-bituminous coal to electricity, CHP and heat plants to lignite for the period 2014-2016. This may lead to breaks in time series between 2013 and 2014.

Sources

Sources 2009 to 2016:

- Direct communication with the Agency for Statistics of Bosnia and Herzegovina, Sarajevo.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- Energy Statistics: Oil products, Issue 1, Agency for Statistics of Bosnia and Herzegovina, Sarajevo.
- PRODCOM Survey - Industrial Production, Bosnia and Herzegovina, 2009 to 2012.
- IEA Secretariat estimates.

Sources 2006 to 2008:

- European Network of Transmission System Operators for Electricity, online statistics, 2010.

- Union for the Co-ordination of Transmission of Electricity, online statistics, 2009.
- IEA Secretariat estimates.

Sources 2000 to 2005:

- *Energy Sector Study BiH*, Third Electric Power Reconstruction Project, consortium led by Energy Institute Hrvoje Pozar, Sarajevo, 2008.
- Direct communication with the Joint Power Co-ordination Centre (JPCC).
- *Statistical Yearbook of BiH*, Federation of Bosnia and Herzegovina Federal Office of Statistics, Sarajevo, 2008.
- *Power Generation and Transmission System in Bosnia Herzegovina*, International Management Group, European Commission, Sarajevo, November 2000.
- *Energy Outlook*, Federal Ministry of Energy, Mining and Industry, Sarajevo, December 2001.
- The UN Energy Statistics Database.

Botswana

General note

Data for Botswana are available from 1981. Prior to that, they are included in Other Africa.

Sources

Sources 1981 to 2016:

- Direct communication with the Department of Energy, Ministry of Minerals, Energy and Water Resources, Gaborone.
- *Annual Report*, Botswana Power Corporation (BPC), Gaborone. Various editions up to 2016. Note: BPC data are published on a fiscal year basis (April to March).
- *Environment Statistics 2012*, Botswana Central Statistics Office, Gaborone.
- Indices of the physical volume of mining production 3Q 2014, Botswana Central Statistics Office, Gaborone.
- *Botswana in Figures 2011*, Botswana Central Statistics Office, Gaborone.
- *Statistical Yearbook 2010*, Botswana Central Statistics Office, Gaborone.

- *Annual Report 2009*, Department of Mines, Gaborone.
- *Energy Statistics*, Central Statistics Office, Gaborone.
- IEA Secretariat Estimates.

Brazil

General notes

Brazil joined the IEA as an Association country in October 2017.

The split between domestic and international marine bunkers is done based on flag (nationality) of ships.

New information became available in 2015 which explains the types of product transfers within Brazilian refineries. The IEA attempted to reflect these transfers as accurately as possible.

In the IEA balance for Brazil, “Biogasoline” refers to anhydrous ethanol while “Other liquid biofuels” refers to hydrated ethanol. The national energy balance of Brazil shows bioethanol as two separate products: anhydrous ethanol (“álcool anidro”, i.e. nearly pure ethanol, containing less than 1% of water) and hydrated ethanol (“álcool hidratado”, i.e. a blend of ethanol and water, in the proportion of about 95% to 5%, generally obtained from conventional distillation). While anhydrous ethanol is blended with gasoline (the blend sold at the pump generally contains 20-25% of ethanol), hydrated ethanol is sold at separate pumps as a product by itself (álcool) to be used in flex fuel cars, i.e. vehicles that can run on any mix of gasoline and ethanol.

Although IEA’s balance is based on Brazil’s national statistics, differences with the national energy balance can be observed due to the different methodologies adopted for reporting nuclear, chemical heat, natural gas, renewables, blast furnaces and coke ovens.

Brazil produces a large share of its pig iron in blast furnaces that are fuelled and fed with charcoal. The blast furnace gases produced when charcoal is used as a reagent in the blast furnaces are renewable products and they have been reported in this publication under the product “Biogases from thermal processes”. Additionally, only the part of these gases consumed for power generation (i.e. energy purposes) has been accounted for in the transformation sector. The remaining charcoal consumed in or used to heat the blast furnaces is reported in final consumption under

the iron and steel industry with no distinction between transformation and final consumption.

Prior to the year 2000 blast furnace gases data availability is limited to the input to auto producer electricity plants. Therefore, from 1971 to 1999, the other flows (e.g. production, consumption etc.) are IEA Secretariat estimates.

The Itaipu hydroelectric plant, operating since 1984 and located on the Paraná River (which forms the border of Brazil and Paraguay) was formed as a joint venture between Eletrobrás and the Paraguayan government. Production is shared equally between Brazil and Paraguay.

Sources

Sources 1971 to 2016:

- Direct communication with the Ministério de Minas e Energia, Brasilia.
- *Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, IEA Solar Heating & Cooling Programme various editions up to 2018.

Brunei Darussalam

General notes

In 2009, new information became available on the split in consumption of refinery gas. This may lead to breaks in time series between 2008 and 2009.

Sources

Sources 2006 to 2016:

- APEC Energy Database, Tokyo, 2018.
- Direct communication with the Prime Minister's Office, Strategic Planning Division, Bandar Seri Begawan.
- Direct communication with the Prime Minister's Office, Department of Electrical Services, Bandar Seri Begawan.
- IEA Secretariat estimates.

Sources 1992 to 2005:

- APEC Energy Database, Tokyo, 2007.
- Direct communication with the UN Statistics Division.
- Direct communication with the Office of the Prime Minister, Petroleum Unit

- Direct communication with the Asia Pacific Energy Research Centre.
- Direct communication with the Ministry of Development, Electrical Services Department.
- *Brunei Statistical Yearbook, 1992 to 1994*, Ministry of Finance, Statistics Section, Bandar Seri Begawan, 1993, 1995.

Sources up to 1991:

- *Fifth National Development Plan 1986-1990*, Ministry of Finance, Economic Planning Unit, Bandar Seri Begawan, 1985.

Sources for biofuels and waste:

- The UN Energy Statistics Database.

Bulgaria

General notes

Non-specified transformation of natural gas to other hydrocarbons corresponds to hydrogen used in refineries.

Bulgaria has re-classified black liquor from industrial waste to solid biofuels and the renewable portion of tyres from industrial waste to municipal waste – renewables from 2008. Breaks in time series may occur between 2007 and 2008.

A break in the time series for natural gas stock changes may occur between 2003 and 2004 as cushion gas is excluded starting in 2004.

Sources

Sources 1990 to 2016:

- Direct communication with the National Statistical Institute, Sofia.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- Energy Balances, National Statistical Institute, Sofia, 1995.

Sources up to 1991:

- *Energy Development of Bulgaria*, Government of Bulgaria, Sofia, 1980 and 1984.
- *Energy in Bulgaria*, Government of Bulgaria, Sofia, 1980 to 1983.

- *General Statistics in the Republic of Bulgaria 1989/1990*, Government of Bulgaria, Sofia, 1991.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaires on renewables.
- The UN Energy Statistics Database.

Cambodia

General notes

Data for Cambodia are available starting in 1995. Prior to that, they are included in Other Asia.

In the 2018 edition, information on the split of consumption for some petroleum products became available for 2016. This may lead in breaks in time series between 2015 and 2016.

In 2015, new information regarding the imports of petroleum products in Cambodia from 2007 onwards became available. Data for these products were revised accordingly and as a result breaks in time series may occur for different products between 2007 and 2013.

Sources

Sources 1995 to 2016:

- Direct communication with the Energy Statistics Office of the Ministry of Mines and Energy, Phnom Penh.
- *Cambodia National Energy Statistics 2016*, Economic Research Institute for ASEAN and East Asia.
- *Report on Power Sector of the Kingdom of Cambodia*, Electricity Authority of Cambodia, Phnom Penh, various editions up to 2017.
- *Petroleum Products Imports Data from the Customs Office*, General Department of Petroleum of Cambodia, Phnom Penh, 2014.
- APEC annual energy questionnaires, 2010-2011.
- Direct communication with the Department of Energy, Ministry of Industry, Mines and Energy, Phnom Penh through the APEC annual energy statistics questionnaire, 1995-2011.
- Direct communication with the Department of Corporate Planning and Projects, Ministry of Industry, Mines and Energy, Phnom Penh through the APEC annual energy statistics questionnaire, 1995-2011.

- Direct communication with the Electricity Authority of Cambodia, Phnom Penh through the APEC annual energy statistics questionnaire, 1995-2011.
- Direct communication with Electricité du Cambodge, Phnom Penh through the APEC annual energy statistics questionnaire, 1995-2011.
- IEA Secretariat estimates.

Cameroon

General notes

In 2018, Cameroon provided energy balances for 2015. 2016 data were therefore estimated by the IEA Secretariat.

In 2015, new information regarding Cameroon became available. Data points were revised accordingly which may lead to breaks in time series between 2011 and 2012 for electricity own use and losses and between 2011 and 2011 for crude oil trade and production.

Sources

Sources 1971 to 2016:

- Direct communication with Ministère de l'Energie et de l'Eau, Yaoundé.
- *Annuaire Statistique sur le Commerce*, CELSTAT, 2015.
- *Annual Report*, Eneo, 2014.
- *Statistiques Annuelles*, Société Nationale des Hydrocarbures (SNH), 2013, 2014, 2015, 2016.
- *Statistiques économiques*, Banque des Etats de l'Afrique Centrale (BEAC), online database, 2011.
- Direct communication with Société Nationale de Raffinage (SONARA).
- Direct communication with Société Nationale d'Electricité du Cameroun (*AES – SONEL*), Douala.
- The UN Energy Statistics Database
- IEA Secretariat estimates.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

People's Republic of China

General notes

The People's Republic of China (China) joined the IEA as an Association country in November 2015.

Revisions of China's 2000 - 2010 energy data

In early 2016, the National Bureau of Statistics (NBS) of the People's Republic of China (China) supplied the IEA with detailed energy balances for 2000 to 2010 and the IEA revised its data accordingly.

In September 2015, the NBS published China's energy statistics for 2013, as well as revised statistics for the years 2011 and 2012. These have already been taken into account by the IEA in the "Special data release with revisions for the People's Republic of China" in November 2015.

All revisions show significant changes both on the supply and demand side for a number of energy products, resulting in breaks in time series between 1999 and 2000. Most importantly, the previously significant statistical difference for coal has now been allocated in industrial consumption based on findings from a national economic census.

Coal

NBS and IEA collaborate to provide additional detail on energy production, transformation and consumption of all five different types of coal (e.g. anthracite, coking coal, other bituminous, sub-bituminous and lignite). At the moment NBS only provides quantities of raw coal and washed coal (split between cleaned coal and other washed coal) in their energy balances and the IEA Secretariat has attributed these quantities to coking coal and other bituminous coal. It is expected that the continuing work to provide disaggregated data on the five different coals will result in greater detail in future editions.

In this edition, the National Bureau of Statistics (NBS) changed the definition of cleaned coal and other washed coal. Now, only the coal used for coking is called cleaned coal. This might result in breaks in time series in coking coal between 2015 and 2016. As this change of methodology resulted in uncertainty on the use of cleaned coal, the IEA Secretariat estimated the use of coking coal in transformation and final consumption sectors.

In this edition, based on new information, coal consumption in rail was revised for the whole time series

to reflect the fact that coal is used for other usages than transport in the Rail sector. The IEA Secretariat has allocated part of the coal reported under rail to other non-specified sectors for the period 1990-2003. For the period 2004-2016 the IEA Secretariat allocated the total amount of coal reported under rail to other non-specified sectors.

In this edition, based on new information, coal inputs to main activity heat plants and part of coal inputs to main activity electricity plants were allocated to main activity CHP plants for the period 2005-2016.

Net calorific values (NCV) for coal inputs to power generation from 2000 are estimated by applying assumptions used by China on the average thermal efficiency of coal-fired power stations in these years. NCVs are also estimated for bituminous coal production from 2000 as well as for inputs to main activity CHP plants from 2008.

Since 2000, imports and exports of cleaned coal are no longer reported in the national energy balance of China. The IEA Secretariat has used secondary sources of information to report this coking coal trade and corresponding quantities have been removed from bituminous coal trade. Consumption of this coking coal is assumed to be in coke ovens.

The IEA data of coal stocks for the years 1985 and 1990 as well as coal production for the years 1997-1999 are estimates and do not represent official data released by the Chinese government. Those estimates were based on the assumption that coal consumption statistics are more reliable than coal production statistics and that the production-consumption relationship should maintain a balance over time. In recent years, China has reported large increases in stocks for different types of coal. These stock increases are seen as consistent with trends in economic growth and development in China; however, information is currently lacking on the scale of the infrastructure available for this magnitude of stock increases.

Data for coal trade in this publication may not match data from secondary sources of information.

Oil

Starting with 2010 data, NBS increased the level of detail of the national energy balance regarding oil products and coal gases. Breaks in time series may occur between 2009 and 2010.

In 2012, new information became available on how NBS accounts for international aviation and marine

bunkers in the China's national energy balance. Previously international flights by Chinese airlines and ships had been excluded. A revised methodology was implemented that now includes fuel use for international airplanes and ships, regardless of whether they are foreign- or China-owned.

Coal to liquids output was estimated based on projected production slate of operational coal-to-liquid plants.

In recent years, China has reported large increases in stocks for crude oil and oil products. These stock increases are seen as consistent with trends in economic growth and development in China; however, information is currently lacking on the scale of the infrastructure available for this magnitude of stock increases.

Natural gas

In the 2018 edition, based on new information, natural gas inputs to main activity heat plants and part of natural gas inputs to main activity electricity plants were allocated to main activity CHP plants for the period 2005-2016.

In the 2012 edition, information became available on natural gas consumption in public transportation in China. This consumption was added to the natural gas time series to ensure proper coverage of the transport sector.

Coal to gas output is estimated based on operational capacity of coal-to-gas plants.

Biofuels and waste

Since 2016, the IEA has been working with the Institute of Built Environment of Tsinghua University, Beijing, to improve its data on biomass consumption in the residential sector in China. Biomass figures have therefore been revised in this edition back to 1997 to reflect the results of their study and of IEA analysis. Information also became available in 2012 from NBS on the production and consumption of gangue, a mining waste product that has been classified as industrial waste in the IEA energy balances. This quantity of industrial waste is not likely to represent the only combustion of industrial waste in China; however, information is not available to provide more complete data on this activity.

Time series for liquid biofuels and biogases are based on tertiary sources of information and IEA Secretariat estimates. None of these time series are reported in the national energy balance of China.

Electricity and heat

In this edition, based on new information, heat production from main activity heat plants using coal and natural gas and part of electricity production from main activity electricity plants using coal and natural gas were attributed to main activity CHP plants for the period 2005-2015. Estimates on the electricity consumption in road transportation are included, starting with 2001 data.

Electricity production from pumped storage hydro is reported from 2010.

Time series for wind (prior to 2010), geothermal, solar photovoltaic and solar thermal generation are based on tertiary sources of information and IEA Secretariat estimates. None of these time series are reported in the national energy balance of China.

Sources

Sources 1990 to 2016:

- *China Energy Statistical Yearbook*, National Bureau of Statistics, Beijing, various editions up to 2016.
- Direct communication with the China National Bureau of Statistics (NBS), Beijing.
- Direct communication with the China National Renewable Energy Centre (CNREC), National Energy Administration (NEA), Beijing.
- Direct communication with the Institute of Built Environment of Tsinghua University, Beijing.
- *Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, IEA Solar Heating & Cooling Programme, various editions up to 2018.
- China Electricity Council, online statistics, various editions up to 2016.
- *Trends in Photovoltaic Applications*, International Energy Agency Photovoltaic Power Systems Programme, 2013 edition.
- Zhang G., *Report on China's Energy Development 2010*, China's National Energy Administration, Beijing, editions 2009 to 2011.
- Zheng et. al, *Steady Industrialized Development of Geothermal Energy in China: Country Update Report*, Beijing, 2005-2009.
- Lund et. al, *Direct Utilization of Geothermal Energy 2010 Worldwide Review*, World Geothermal Congress, Bali, 2010.
- *The Global Biodiesel Balance for 2012 and 2013*, World Ethanol and Biofuels Report, F.O. Lichts, London, Vol. 11 No. 16, Apr. 23, 2013.
- IEA Secretariat estimates.

Sources up to 1990:

- *Electric Industry in China in 1987*, Ministry of Water Resources and Electric Power, Department of Planning, Beijing, 1988.
- *Outline of Rational Utilization and Conservation of Energy in China*, Bureau of Energy Conservation State Planning Commission, Beijing, June 1987.
- *China Coal Industry Yearbook*, Ministry of Coal Industry, People's Republic of China, Beijing, 1983, 1984, 1985 and 2000.
- *Energy in China 1989*, Ministry of Energy, People's Republic of China, Beijing, 1990.
- *China: A Statistics Survey 1975-1984*, State Statistical Bureau, Beijing, 1985.
- *China Petro-Chemical Corporation (SINOPEC) Annual Report*, SINOPEC, Beijing, 1987.
- *Almanac of China's Foreign Economic Relations and Trade*, The Editorial Board of the Almanac, Beijing, 1986.

Sources for biofuels and waste:

- IEA Secretariat estimates.

Colombia

General notes

In 2018, time series for the period 2013-2016 were revised based on new energy balances received from the Unidad de Planeación Minero Energética (UPME). Breaks in time series may occur between 2012 and 2013.

Sources

Sources 1992 to 2016:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed May 2018: <http://sier.olade.org/>.
- Unidad de Planeación Minero Energética (UPME) Online statistics, Ministerio de Minas y Energía, various editions up to 2016.

- Direct communication with the Ministry of Mines and Energy, Energy Information Department, Bogotá.
- *Statistics 1996-2016*, Sistema de Información Eléctrico Colombiano, Ministry of Mines and Energy, online statistics, various editions up to 2016.
- IEA Secretariat estimates.

Sources up to 1991:

- *Boletín Minero-Energético*, Ministerio de Minas y Energía, Bogotá, December 1991.
- *Estadísticas Minero-Energéticas 1940-1990*, Ministerio de Minas y Energía, Bogotá, 1990.
- *Estadísticas Básicas del Sector Carbón*, Carboacol, Oficina de Planeación, Bogotá, various editions from 1980 to 1988.
- *Colombia Estadística 1985*, DANE, Bogotá, 1970 to 1983 and 1987.
- *Empresa Colombiana de Petróleos, Informe Anual*, Empresa Colombiana de Petróleos, Bogotá, 1979, 1980, 1981 and 1985.
- *Estadísticas de la Industria Petrolera Colombiana Bogotá 1979-1984*, Empresa Colombiana de Petróleos, Bogotá, 1985.
- Informe Estadístico Sector Eléctrico Colombiano, Government of Colombia, Bogotá, 1987 and 1988.
- *La Electrificación en Colombia 1984-1985*, Instituto Colombiano de Energía Eléctrica, Bogotá, 1986.
- *Balances Energéticos 1975-1986*, Ministerio de Minas y Energía, Bogotá, 1987.
- *Energía y Minas Para el Progreso Social 1982-1986*, Ministerio de Minas y Energía, Bogotá, 1987.

Sources for Biofuels and waste:

- Ministry of Mines and Energy, Energy Information Department, Bogotá.

Congo

General notes

For 2015 and 2016 figures, no official data were available therefore figures are based on secondary sources and IEA estimates.

In 2016, time series for the period 2000-2012 were revised based on new energy balances received from the Ministry of Energy. Breaks in time series may occur between 1999 and 2000.

The Imboulou Hydro Plant (120MW) began operating in May 2011.

Sources

Sources 1971 to 2016:

- Direct communication with the Ministère de l'Energie et de l'Hydraulique, Brazzaville.
- *Rapport annuel SIE-Congo* 2014.
- Direct communication with the Agence de Régulation de l'Aval Pétrolier, Brazzaville.
- *Les chiffres caractéristiques de la Société Nationale d'Électricité 2005-2011*, SNE, Brazzaville.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- *Rapport annuel SIE-Congo* 2014.
- IEA Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

Costa Rica

Sources

Sources up to 2016:

- Direct communication with the Ministerio del Ambiente y Energía, San José.
- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed April 2018: <http://sier.olade.org/>.
- IEA Secretariat estimates.

Côte d'Ivoire

Sources

Sources 2013 to 2016:

- AFREC Energy questionnaire, African Energy Commission, 2017-2018, submitted by Direction de l'Energie, Abidjan.
- Direct communication with Direction de l'Energie, Abidjan.
- IEA Secretariat estimates.

Sources 2009 to 2012:

- Direct communication with Direction de l'Énergie, Abidjan.
- IEA Secretariat estimates.

Sources 2005 to 2008:

- WEC-IEA Joint Energy Reporting Format for Africa, questionnaire submitted by Direction de l'Énergie, Abidjan.
- Direct communication with Direction de l'Énergie, Abidjan.
- IEA Secretariat estimates.

Sources 2002 to 2004:

- Direct communication with the Ministry of Mines and Energy, Abidjan, 2005-2006, and IEA Secretariat estimates.

Sources 1992 to 2001:

- Direct communication with oil industry and the Ministry of Energy, Abidjan, July 2003.
- Direct communication with Société Ivoirienne de Raffinage, 2004.
- *La Côte d'Ivoire en chiffres*, Ministère de l'Économie et des Finances, Abidjan, 1996-97 edition.
- *L'Énergie en Afrique*, IEPE/ENDA, Paris, 1995, in turn sourced from Ministère des Mines et de l'Énergie, Abidjan.
- The UN Energy Statistics Database.

Sources up to 1991:

- *Études & Conjoncture 1982-1986*, Ministère de l'Économie et des Finances, Direction de la Planification et de la Prévision, Abidjan, 1987.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

Croatia

General notes

Data for Croatia are available starting in 1990. Prior to that, they are included in Former Yugoslavia.

Non-specified transformation of natural gas reported from 2007 refers to natural gas used by refineries for hydrogen production.

Breaks in time series may appear between 2007 and 2008 as transit data of electricity trade are not available for years prior to 2008.

Data on international marine bunkers were revised for 2012 to 2015 as a result of new information on the oil exportation figures.

Due to a change in the calculation made by Croatia, solar thermal direct use was revised for 1998 to 2015.

Sources**Sources 1990 to 2016:**

- Direct communication with the Energy Institute "Hrvoje Požar", Zagreb.
- Direct communication with the Central Bureau of Statistics, Zagreb.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- IEA Secretariat estimates.

Cuba

General notes

In the 2018 edition, new information became available that led to revisions of the wind and solar PV data from 2000 to 2015.

Breaks in time series in the early 90s are assumed to be due to the codification into law of the embargo imposed on Cuba in 1992.

Figures for crude oil include additives added to reduce viscosity.

Sources**Sources up to 2016:**

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed April 2018: <http://sier.olade.org/>.
- *Anuario Estadístico de Cuba*, Oficina Nacional de Estadísticas, Havana, various editions from 1998 to 2017.
- *Renewable energy statistics 2018*, International Renewable Energy Agency (IRENA).

- *Estadísticas Energéticas en la Revolución*, Oficina Nacional de Estadísticas, Havana, September 2009 edition.
- *Compendio estadístico de energía de Cuba 1989*, Comité Estatal de Estadísticas, Havana, 1989.
- *Anuario Estadístico de Cuba*, Comité Estatal de Estadísticas, Havana, various editions from 1978 to 1987.
- *Anuario Estadístico de Cuba*, Oficina Nacional de Estadísticas, Havana, various editions from 1998 to 2015.
- IEA Secretariat estimates.

Curaçao

General notes

In the 2018 edition, new sources became available that led to revisions of the solar PV and wind data. This might lead to a break in time series between 2011 and 2012.

The Netherlands Antilles was dissolved on 10 October 2010, resulting in two new constituent countries, Curaçao and Sint Maarten, with the remaining islands joining the Netherlands as special municipalities. The methodology for accounting for the energy statistics of the Netherlands Antilles has been revised in order to follow the above-mentioned geographical changes. From 2012 onwards, data now account for the energy statistics of Curaçao Island only. Prior to 2012, data remain unchanged and still cover the entire territory of the former Netherlands Antilles.

As the Isla Refinery in Curaçao did not operate to its maximum capacity in 2010, a break in time series might occur in that year for crude oil and oil products.

Sources

Sources 1997 to 2016:

- *Informe de Gestión Anual*, PDVSA - Petróleos de Venezuela, S.A., various editions up to 2016.
- *Statistics by subject*, Central Bureau of Statistics Curaçao, CBS, accessed April 2018: www.cbs.cw.
- *Renewable energy statistics 2018*, International Renewable Energy Agency (IRENA). *The Economy of Curaçao and Sint Maarten in Data and Charts, Yearly Overview 2007-2016*, Centrale Bank van Curaçao en Sint Maarten, Willemstad.

- *Statistical indicators 1998-2010*, Central Bank of Netherlands Antilles, Willemstad.
- Direct communication with the Isla Refinery, Emmastad, Curaçao, up to 2008.
- *Statistical Information*, Central Bureau of Statistics, Fort Amsterdam, up to 2008.
- IEA Secretariat estimates.

Cyprus

General notes

Note by Turkey:

The information in this document with reference to “Cyprus” relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognizes the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is found within the context of the United Nations, Turkey shall preserve its position concerning the “Cyprus issue”.

Note by all the European Union member states of the OECD and the European Union:

The Republic of Cyprus is recognized by all members of the United Nations with the exception of Turkey. The information in this document relates to the area under the effective control of the government of the Republic of Cyprus.

Time series data from 2009-2010 for primary solid biofuels were revised based on newly available information. Breaks in time series may occur between 2008 and 2009 for these products.

Sources

Sources 1994 to 2016:

- Direct communication with the statistical service of Cyprus, Nicosia.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- *Electricity Authority of Cyprus Annual Report 1996*, Electricity Authority of Cyprus, Nicosia, 1997.

Sources up to 1993:

- *Electricity Authority of Cyprus Annual Report 1988, 1992*, Electricity Authority of Cyprus, Nicosia, 1989 and 1993.

- *Industrial Statistics 1988*, Ministry of Finance, Department of Statistics, Nicosia, 1989.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaires on renewables.
- IEA Secretariat estimates.

Democratic People's Republic of Korea

General notes

The sources cited below provide domestic supply data for DPR Korea. All other flows are estimated by the IEA Secretariat.

2011 data for primary coals were revised based on new information in the 2014 edition. This may lead to breaks in the time series between 2010 and 2011 and differences in trends compared to previous editions for some products.

Sources

Sources 1971 to 2016:

- Direct communication with Korea's National Statistical Office and Korea's Energy Economics Institute.
- *North Korea Statistics*, Korean Statistical Information Service website, www.kosis.kr, Seoul.
- *World Trade Database*, prepared annually by the International Energy Agency.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- The UN Energy Statistics Database.
- *Forestry Statistics*, FAO, Rome, 2018.
- IEA Secretariat estimates.

Democratic Republic of the Congo

General notes

In the 2015 edition, new information and methodologies regarding biomass and charcoal became available. Breaks in time-series may occur between 2013 and 2014.

Sources

Sources up to 2016:

- AFREC Energy questionnaire, African Energy Commission, 2014 to 2016.
- IEA Secretariat estimates.

Sources up to 2013:

- Direct communication with the Ministère de l'Énergie, Kinshasa Gombe.
- Commission Nationale de l'Énergie, Ministère de l'Énergie, Kinshasa Gombe, 2005.
- WEC-IEA Joint Energy Reporting Format for Africa, 1999 to 2000.
- The UN Energy Statistics Database.
- *L'Énergie en Afrique*, IEPE/ENDA, Paris, 1995, in turn sourced from the *Annuaire Statistique Énergétique 1990*, Communauté Economique des Pays des Grands Lacs, Bujumbura, 1990.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

Dominican Republic

General notes

In 2014 the national energy balance was adopted as the primary data source. This could lead to breaks in time series between 1997 and 1998 for some flows. In 2017 the breakdown of consumption data was integrated to IEA balance starting from year of 1998.

Dominican Republic revised coal import figures. This may lead to different trends compared to previous editions of this publication.

Sources

Sources 1971 to 2016:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed Mar 2018: <http://sier.olade.org/>.
- *Balance energía neta*, Comisión nacional de energía, Santo Domingo various editions up to 2016.

- *Importación de petróleo y derivados*, Ministre de Industria y Comercio (MIC), Santo Domingo, various editions up to 2012.
- *Capacidad instalada y generación del SENI por año, según tecnología, 2000-2010*, Oficina Nacional de Estadística, Santo Domingo.
- IEA Secretariat estimates.

Ecuador

General notes

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Ecuador has revised historical data since 2004. This may lead to different trends compared to previous editions of this publication.

In the 2015 edition new information became available regarding production and consumption of refinery fuel. This may lead to breaks in time series between 2012 and 2013 (2011 and 2012) for some oil products.

A new hydro plant opened in northern Ecuador in 2015.

Sources

Sources 1999 to 2015:

- Direct communication with the Ministerio Coordinador de Sectores Estratégicos, Quito.
- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed January 2018: <http://sier.olade.org/>.
- Direct communication with the Ministerio de Recursos Naturales No Renovables, Quito, up to 2014.
- Direct communication with the Ministerio de Minas y Petróleos, Quito, up to 2011. Balance Energético Nacional – Resumen, Ministerio Coordinador de Sectores Estratégicos, Quito, various editions up to 2015.
- *Estadística del Sector Eléctrico Ecuatoriano*, Agencia de Regulación y Control de Electricidad Arconel, Quito.
- *Informe Estadístico, & Informe Cifras Petroleras*, Petroecuador, Empresa Estatal Petróleos del Ecuador, Quito.
- *Reporte del Sector Petrolero*, Banco Central del Ecuador, Quito.
- IEA Secretariat estimates.

Sources 1990 to 1998:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito: <http://sier.olade.org/>.

Sources up to 1989:

- Ministerio de Energía y Minas.
- *Cuentas Nacionales*, Banco Central del Ecuador, Quito, various editions from 1982 to 1987.
- *Memoria 1980-1984*, Banco Central del Ecuador, Quito, 1985.
- *Ecuadorian Energy Balances 1974-1986*, Instituto Nacional de Energía, Quito, 1987.
- *Informacion Estadística Mensual, No. 1610*, Instituto Nacional de Energía, Quito, 1988.
- *Plan Maestro de Electrificación de Ecuador*, Ministerio de Energía y Minas, Quito, 1989.

Egypt

General notes

Data are reported on a fiscal year basis. Data for 2015 correspond to 1 July 2015-30 June 2016.

Data for 2016 were not submitted by Egypt and are based on IEA secretariat estimates.

Stock changes may include informal trade.

The IEA Secretariat has revised marine bunkers back to 2004. Data from 2004 are now based on data received from the Egyptian Authorities. Electricity data for 2015 are estimated by the Secretariat.

Sources

Sources 1992 to 2016:

- Direct communication with the Central Agency for Public Mobilization and Statistics, Cairo, CAPMAS.
- Direct communication with the Organisation for Energy Planning, Cairo.
- WEC-IEA Joint Energy Reporting Format for Africa, 2000 to 2012.
- Direct submission to the IEA Secretariat from the Ministry of Petroleum, Cairo.
- *Annual Report 1995, 1997, 1998, 1999*, Ministry of Petroleum, Egyptian General Petroleum Corporation, Cairo, 1996, 1998 to 2000.

- *Annual Report of Electricity Statistics 1996/1997 to 2010/2011*, Ministry of Electricity and Energy, Egyptian Electricity Holding Company, Cairo, 1998 to 2012.
- *Arab Oil and Gas*, The Arab Petroleum Research Center, Paris, October 1997.
- *Middle East Economic Survey*, Middle East Petroleum and Economic Publications, Nicosia, February 1994, June 1996, March 1998.
- *A Survey of the Egyptian Oil Industry 1993*, Embassy of the United States of America in Cairo, Cairo, 1994.
- IEA Secretariat estimates.

Sources up to 1991:

- *Annual Report of Electricity Statistics 1990/1991*, Ministry of Electricity and Energy, Egyptian Electricity Authority, Cairo, 1992.
- *Statistical Yearbook of the Arab Republic of Egypt*, Central Agency for Public Mobilisation and Statistics, Cairo, 1977 to 1986.
- *L'Électricité, l'Énergie, et le Pétrole*, République Arabe d'Égypte, Organisme Général de l'Information, Cairo, 1990.
- *Annual Report*, The Egyptian General Petroleum Corporation, Cairo, 1985.

Sources for biofuels and waste:

- The UN Energy Statistics Database.
- IEA Secretariat estimates.

El Salvador

General notes

The only refinery in El Salvador shut down in 2012.

Sources

Sources up to 2016:

- *Balances Energeticos*, Consejo Nacional de Energia (CNE), San Salvador, various editions from 2007 to 2016.
- *Boletín de Estadísticas*, Superintendencia General de Electricidad y Telecomunicaciones (SIGET), San Salvador, various editions from 1998 to 2016.
- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed April 2018: <http://sier.olade.org/>.

- *Centroamérica: estadísticas de hidrocarburos, 2016*. Comisión Económica para América Latina y el Caribe (CEPAL), various editions from 2009-2016.
- Direct communication with the Ministerio de Economía, Dirección de Hidrocarburos y Minas, San Salvador.
- Direct communication with the Consejo Nacional de Energia El Salvador (CNE), San Salvador.
- IEA Secretariat estimates.

Eritrea

General notes

Data for Eritrea are available from 1992. Prior to 1992, data are included in Ethiopia.

Solid biofuels consumption data have been periodically re-estimated by Eritrea. This may result in breaks in time series for this product in 1998 and 2003.

Sources

Sources 2011 to 2016:

- IEA Secretariat estimates.

Sources 1992 to 2010:

- Direct Communication with the Ministry of Energy and Mines, Asmara.
- IEA Secretariat estimates.

Ethiopia

General notes

Ethiopia energy data include Eritrea from 1971 to 1991. From 1992, the two countries are reported separately.

Data are reported according to the Ethiopian financial year, which runs from 1 July to 30 June of the next year.

Electricity data were revised in the 2017 edition based on ministry reporting split between wind and geothermal production since 2011.

Data for 2016 are estimated by IEA secretariat.

The Aluto Langano pilot geothermal power plant began an expansion project in 2010. Breaks in

geothermal time series can be seen in 2010 due to the plant being out of commission.

Sources

Sources 2012 to 2016:

- Direct communication with the Ministry of Water, Irrigation, and Energy, Addis Ababa.
- *Existing Power Plants*, Ethiopian Electric Power Corporation, online database, 2014.
- *Biomass Energy Strategy Formulation for Ethiopia*, European Union Energy initiative, in cooperation with the Ethiopian Ministry for Water and Energy, Germany, 2013
- IEA Secretariat estimates.

Sources 1992 to 2012:

- Direct communication with the Ministry of Mines and Energy, Addis Ababa.
- Direct communication with the Energy Development Follow-up and Expansion Department of the Ministry of Infrastructure, Addis Ababa, 2004 and 2005.
- Direct communication with the Ministry of Finance and Economic Development, Addis Ababa, 1998 to 2003.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources up to 1991:

- *Ten Years of Petroleum Imports, Refinery Products, and Exports*, Ministry of Mines & Energy, Addis Ababa, 1989.
- *Energy Balance for the Year 1984*, Ministry of Mines & Energy, Addis Ababa, 1985.
- *1983 Annual Report*, National Bank of Ethiopia, Addis Ababa, 1984.
- *Quarterly Bulletin*, National Bank of Ethiopia, Addis Ababa, various editions from 1980 to 1985.

Sources for biofuels and waste:

- *Biomass Data 2007-2012*, Ministry of Water and Energy, Addis Ababa, 2012.
- IEA Secretariat estimates up to 2006 based on 1992 data from Eshetu and Bogale, *Power Restructuring in Ethiopia*, AFREPREN, Nairobi, 1996.

Former Yugoslav Republic of Macedonia

General notes

Data for FYR of Macedonia are available starting in 1990. Prior to that, they are included in Former Yugoslavia.

The FYR of Macedonia has changed the methodology for reporting autoproducer heat consumption for own use in 2010, which can lead to breaks in time series between 2009 and 2010.

The refinery OKTA in the FYR of Macedonia was shut down in 2014. This may lead to breaks in time series between 2013 and 2014.

The State Statistical Office revised the energy balances from 2005 to 2014 in accordance with the survey conducted in 2014 on household energy consumption.

Sources

Sources 1990 to 2016:

- Direct communication with the State Statistical Office of Macedonia, Department for Environment, Energy and Transport, Skopje.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- IEA Secretariat estimates.

Gabon

General notes

Revisions were made to the residential fuel consumption from the time period of 2010 to 2014 to take into account newly available data. This may result in a break in time series between 2009 and 2010. Revisions were made for crude oil production for the whole time series.

In the 2018 edition, revisions to natural gas production were made from 2013 to 2015. Breaks in time series can be seen from 2013 to 2014.

Sources

Sources 1992 to 2016:

- AFREC Energy questionnaire, African Energy Commission, 2015.

- *Rapport annuel de la SEEG*, Société d'Énergie et d'Eau du Gabon, Libreville, various editions from 2000 to 2016.
- *Tableau historique de production de 1957 à nos jours*, Total Gabon, online database, 2015.
- *Statistiques économiques*, Banque des Etats de l'Afrique Centrale (BEAC), online database, 2011.
- *Annuaire Statistique du Gabon*, Ministère de l'économie, du commerce, de l'industrie et du tourisme, Libreville, 2001 to 2007 and 2004 to 2008, 2011.
- Direct communication with Direction Générale de L'Energie, Libreville, 2003 to 2008.
- Direct communication with Société Gabonaise de Raffinage, Port Gentil, 1997, 2000 to 2006, 2008 to 2009.
- *Tableau de Bord de l'Economie, Situation 1997, Perspectives 1998-1999*, Direction Générale de l'Economie, Ministère des Finance, de l'Economie, du Budget et des participations, chargé de la privatisation, May 1998.
- *Rapport d'Activité*, Banque Gabonaise de Développement, Libreville, 1985, 1990, 1992 and 1993.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources up to 1991:

- *Tableau de Bord de l'Economie, Situation 1983 Perspective 1984-85*, Ministère de l'Economie et des Finances, Direction Générale de l'Economie, Libreville, 1984.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

Georgia

General notes

Data for Georgia are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Georgia is one of the 11 EU4Energy focus countries.

Energy data for Georgia do not include Abkhazia and South Ossetia.

In the 2016 edition, population figures, collected from the World Bank, have been revised down compared to previous editions. This explains an increase in energy consumption per capita compared to previous editions. Georgia conducted a general population census in 2014 and revised population figures accordingly.

In 2015, a refinery started operating in Georgia.

In 2015, trade of crude oil includes a share of crude oil blended with fuel oil. This explains breaks in time series from 2014.

In 2015, trade of natural gas for the year might include re-export.

Between 2014 and 2015, a break in stock level time series appears for some oil products as the National Statistical Office (GEOSTAT) received more detailed information on stocks of oil products.

Between 2012 and 2013, breaks in time series may appear for some products, as data collection and submission to the IEA became the responsibility of the National Statistical Office (GEOSTAT), whereas it used to be done by the Energy Efficiency Centre.

Since 2011, heat production has stopped due to the shutdown of combined heat and power plants.

Sources

Sources 2015 to 2016:

- Direct communication with GEOSTAT.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.

Sources 2013 to 2014:

- Direct communication with GEOSTAT. The National Statistical Office started submitting Joint IEA/Eurostat/UNECE questionnaires in 2015 (2013 data).
- IEA Secretariat estimates.

Sources 2008 to 2012:

- Direct communication with the Energy Efficiency Centre Georgia, Tbilisi.
- IEA Secretariat estimates.

Sources 1990 to 2008:

- *Official Energy Balance of Georgia 1990-1999, 2000-2008*, Ministry of Economy and Ministry of Energy, Tbilisi.
- IEA Secretariat estimates.

Ghana

General notes

In 2014, Ghana started to exploit gas that was previously flared.

Primary solid biomass figures for 2000-2012 were revised in the 2015 edition, as new information became available. Breaks in time series might occur between 1999 and 2000.

In 2011, Ghana began oil production from the Jubilee fields, resulting in a change in crude production and exports between 2010 and 2011.

Data were revised for electricity, oil products and biofuels until 2000 and from 2009 to 2012 based on new information received from the Energy Commission. Breaks in time series may occur for these products.

Sources

Sources up to 2016:

- *National Energy Statistics 2007-2016*, Energy Commission, Accra, 2017.
- *National Energy Statistics 2000-2015*, Energy Commission, Accra, 2015.
- AFREC Energy questionnaire, African Energy Commission, 2015.
- Direct communication with the Energy Commission, Accra.
- Detailed Statistics of Petroleum Products Consumption 1999-2008, National Petroleum Authority, Accra, 2009.
- *National Energy Statistics*, Ministry of Energy and Mines, Accra, 2000.
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- *Energy Balances*, Volta River Authority, Accra, various editions from 1970 to 1985.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- Ministry of Mines and Energy.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Gibraltar

General notes

In the 2015 edition, the time series for residual fuel oil and gas/diesel oil consumed as international marine bunkers were revised based on newly available information.

Sources

Sources up to 2016:

- *Abstract of Statistics*, Government of Gibraltar, Gibraltar, various editions up to 2015.
- Gibraltar Port Authority, Gibraltar, 2017.
- Gibraltar Electricity Authority, Gibraltar, 2015.
- IEA Secretariat estimates.

Guatemala

General notes

In the 2018 edition, data for 2010 to 2015 were revised to take into account new information from the ministry of energy and mines. Breaks in time series may occur during this period for electricity production data as well as for the oil products and biofuels balances.

Orimulsion was imported between 2004 and 2006 for electricity generation and is reported under Other Hydrocarbons.

The Texaco refinery in Escuintla ceased operations in 2002.

Sources

Sources up to 2016:

- Direct communication with the Dirección Nacional de Energía, Ministerio de Energía y Minas, Guatemala City.
- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed March 2018: <http://sier.olade.org/>.
- *Informe Balance Energético, 2010, 2011, 2012, 2013, 2014, 2015 and 2016* Ministry of Energy and Mines, Guatemala City.
- *Estadísticas Energéticas – Subsector Eléctrico*, 2010 to 2016 editions, Ministry of Energy and Mines, Guatemala City.

- Production, consumption, exports and imports of oil products, Ministry of Energy and Mines, Guatemala City, 2016.
- IEA Secretariat estimates.

Haiti

General notes

In the 2014 edition, data for solid biofuels and waste products were revised from 2004 to 2012 based on revisions made by OLADE. Breaks in time series may occur during this period for some products.

Sources

Sources 2009 to 2016:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed April 2018: <http://sier.olade.org/>.
- Direct communication with Bureau des Mines et de l'Énergie, Port-au-Prince.
- *Tableau de suivi du secteur électricité*, Ministère de l'Économie et des Finances de la République d'Haïti.
- IEA Secretariat estimates.

Sources 2008:

- Direct communication with Ministère des Travaux Publics, Transports et Communications, Haiti.
- IEA Secretariat estimates.

Sources 2005 to 2007:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito: <http://sier.olade.org/>.

Sources up to 2004:

- Direct communication with Bureau des Mines et de l'Énergie, Port-au-Prince

Honduras

General notes

Final official data of Honduras were not available at the time of publication, so 2016 data are estimated.

In the 2018 edition, OLADE revised data for the period 2009 – 2014. Where taken into account, they might create breaks in time series.

Sources

Sources 2007 to 2016:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed May 2018: <http://sier.olade.org/>.
- *Anuario Estadístico*, Empresa Nacional de Energía Eléctrica (ENEE), Tegucigalpa, several editions up to 2016
- *Centroamérica: Estadísticas de Hidrocarburos*, Comisión Económica para América y el Caribe (CEPAL), United Nations, Mexico, several editions up to 2013.
- *Centroamérica: Estadísticas de Producción del Subsector Eléctrico*, Comisión Económica para América y el Caribe (CEPAL), United Nations, Mexico, several editions up to 2013.
- IEA Secretariat estimates.

Sources up to 2006:

- Direct communication with Empresa Nacional de Energía Eléctrica, Comayagüela.
- Direct Communication with the Secretariat de Recursos Naturales y del Ambiente, Tegucigalpa.
- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito: <http://sier.olade.org/>.

Hong Kong, China

General notes

In the 2018 edition, data for electricity losses and own use breakdown became available for the period 2013-2017. For the period 1971-2012, electricity losses include electricity own use.

In the 2016 edition, trade data for various other petroleum products were revised based on newly available information. Breaks in time series may occur between 2000 and 2001.

Sources

Sources up to 2016:

- *Hong Kong Energy Statistics - Annual Report*, Census and Statistics Department, Hong Kong Special Administrative Region, various editions up to 2016.

- *Hong Kong Merchandise Trade Statistics – Domestic Exports and Re-exports/ Imports*, Census and Statistics Department, Hong Kong Special Administrative Region, various editions up to December 2016.
- Direct communication with The Hongkong Electric Company, Ltd, Hong Kong.
- *China Light & Power - Annual Report*, China Light & Power Group, Hong Kong, several editions up to 2017.
- *China Light & Power – Facility Performance Statistics*, China Light & Power Group, Hong Kong, several editions up to 2017.
- *Hong Kong Monthly Digest of Statistics*, Census and Statistics Department, Hong Kong, various editions to 1994.
- *Towngas - Annual Report*, The Hong Kong and China Gas Company Ltd., Hong Kong, several editions up to 2013.

Sources for biofuels and waste:

- *Hong Kong Energy End-use Data*, EMSD, The Electrical & Mechanical Services Department, Government of Hong Kong, several editions up to 2016.
- The UN Energy Statistics Database.
- *Hong Kong Energy Statistics - Annual Report 2003*.
- IEA Secretariat estimates.

India

General notes

India joined the IEA as an Association country in March 2017.

Data are reported by India on a fiscal year basis. Data for 2016 correspond to 1 April 2016 – 31 March 2017.

Coal

In 2015, significant revisions of the net calorific values of the different types of coal were made for the whole time series, based on official data as well as IEA and other expert estimates. As a result, there have been significant changes for the coal data when presented in energy units, as well as in the calculated efficiency of coal fired power generation. Data on the production and consumption of secondary coal products may have also been revised as a result.

The net calorific values of coking coal, sub-bituminous coal and other bituminous coal, were revised again in 2018 to take into account more detailed information on imports and IEA Secretariat experts estimates.

From 2008, due to a notable discrepancy between official coal imports from India and coal exports to India as reported by trade partners, imports of coking coal and non-coking coal are estimated by the IEA Secretariat, based on trade partners' data. The breakdown of non-coking coal imports between bituminous coal and sub-bituminous coal is estimated from 2008. This could lead to breaks in time series between 2007 and 2008.

Coking coal figures for India do not align with IEA definitions as they include production of non-metallurgical coking coal reported by India.

Due to data limitations, IEA Secretariat estimates are used for some products and flows, including supply and demand of coke oven gas and blast furnace gas. Coke oven coke production is estimated from 2006 based on growth of blast furnace iron production, as official production data do not include production from small private producers.

Oil

In the 2018 edition, petroleum coke consumption by the non-metallic mineral industries was revised based on information on cement production estimated by the IEA Secretariat based on United States Geological Survey Mineral Industry Report on India. This may lead to breaks in time series as well as differences with previous editions.

Information on stock changes of crude oil and oil products, available from the JODI database from April 2011, was added to the 2014 edition. Breaks in time series may appear in stock changes between 2010 and 2011. Based on data available by the Ministry of Petroleum and Gas, refinery intake is split between crude oil and refinery feedstocks from 1999. The refinery feedstocks reported by the IEA Secretariat correspond to the quantities officially reported as “other inputs” to Reliance Refineries. They do not include additives and refinery feedstocks to other Indian refineries. These missing inputs could reach up to 2.5 million tonnes.

Data for diesel consumption from 2008 are partially based on an official survey on the end use of diesel retail sales. The IEA Secretariat classifies the diesel used in mobile phone towers and non-industry power generators as input to autoproducer electricity generation. A corresponding electricity output is estimated.

No NGL production is officially reported by India. The NGL production estimated by the IEA Secretariat corresponds to the production of oil products from gas separation plants, known in India as “fractionators”. In the IEA methodology, the output of oil products from gas separation plants comes from an input of NGL and the separation process is shown in the transfer row. Prior to 2005-06, the split of fractionator output between petroleum products is estimated by the IEA Secretariat.

No breakdown of refinery fuel by products is currently officially available. In this edition, refinery gas production has been estimated based on expected refinery output for the years 2009-2015. In addition, refinery gas may also include other oil products used, such as residual fuel oil. Due to notable breaks in official data for fuel oil, consumption of fuel oil in international marine bunkers is estimated from 1990 based on industry sources, and final consumption of fuel oil is estimated from 2004 based on 2003 data.

Natural gas

Natural gas imports for India from 2008 are based on Indian Customs data, in order to include all LNG importers.

No data are officially available on the sectoral consumption of re-gasified LNG and city gas. The breakdown is estimated by the IEA Secretariat.

Biofuels and waste

Due to data limitations, use of biogas produced in family biogas plants for cooking is currently not estimated by the IEA Secretariat. Data for liquid biofuels production are based on USDA-estimates for the calendar year.

In this edition, data on the 2001-2016 residential consumption of wood, charcoal and other vegetal matters and residues have been revised using data from the World Health Organisation on reliance on biomass for cooking. Breaks in time series may appear between 2000 and 2001.

In 2015, estimates of the production and consumption of charcoal have been added for the whole time series, as well as the respective inputs of fuelwood to charcoal production plants.

Electricity and heat

Data for total electricity generation include estimates for electricity generation from diesel by non-industrial autoproducers as well as off-grid electricity generation

from renewable energy. In 2017, data on the electricity consumption by industrial sub-sector have been added for the year 2014. 2015 data have been estimated by the IEA Secretariat.

Only information on total on-grid generation from renewables is officially available. The breakdown between sources was estimated by the IEA Secretariat from 2007 using official data on capacities from MNRE. Total off-grid generation and split by sources are estimated based on capacities from 2007 onward.

According to newly available information, estimates of solar thermal output up to 2012 may include systems that were out of operation. For this reason, a break in time series might occur between 2012 and 2013.

Sources

Sources 1992 to 2016:

- Direct communication with the Central Statistical Office, Ministry of Statistics and Programme Implementation, Government of India, New Delhi.
- *Energy Statistics*, Central Statistical Office, Ministry of Statistics and Programme Implementation, New Delhi, various editions up to 2016-17.
- *Monthly Abstract of Statistics*, Ministry of Planning, Central Statistics Organisation, Department of Statistics, New Delhi, various editions from 1984 to 2000.

Coal

- Direct communication with the Coal Controller's Organization, Ministry of Coal, Government of India, Kolkata.
- *Coal Directory of India*, Coal Controller's Organization, Ministry of Coal, Kolkata, various editions up to 2015-2016.
- *Provisional Coal Statistics*, Coal Controller's Organization, Ministry of Coal, Kolkata, various editions up to 2016-2017.
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Oil and natural gas

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- *Indian Petroleum and Natural Gas Statistics*, Ministry of Petroleum and Natural Gas, New Delhi, various editions from 2000-01 to 2016-17.
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- *All India Study on Sectoral Demand of Diesel and Petrol*, Petroleum Planning and Analysis Cell, Ministry of Petroleum and Gas, New Delhi, January 2014.
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- *Physical Targets and Achievements During the 11th Plan*, Ministry of New and Renewable Energy, Open Government Data Platform India, data.gov.in, accessed 8.4.2014
- *Renewable Energy in India: Progress, Vision and Strategy*, Ministry of New and Renewable Energy, 2010.
- *Annual Report 1994-1996, 1998-1999*, Ministry of Energy, Department of Non-Conventional Energy, New Delhi, 1996 and 1999.
- *India – Biofuels Annual*, Global Agriculture Information Network (GAIN) Report, USDA Foreign Agriculture Service, New Delhi, several editions from 2014 to 2017.
- *Energy Data Directory, Yearbook "TEDDY", and Annual Report*, The Energy and Resources Institute "TERI", New Delhi, 1994-2000, 2014-15.
- *India's Energy Sector, July 1995*, Center for Monitoring Indian Economy PVT Ltd., Bombay, 1995.
- *Monthly Review of the Indian Economy*, Center for Monitoring Indian Economy PVT Ltd., New Delhi, various issues from 1994 to June 1999.
- The UN Energy Statistics Database.
- Forestry Statistics, FAO, Rome, 2017.
- IEA Secretariat estimates, based on a per capita average consumption from various surveys and direct communication with the former Ministry of Non-conventional Energy Sources.

Electricity and heat

- Direct communication with the Central Electricity Authority, Ministry of Power, Government of India, New Delhi.
- *Growth of Electricity Sector in India from 1947-2017*, Central Electricity Authority, Ministry of Power, New Delhi, May 2017.
- *All India Electricity Statistics General Review 1999, to 2016*, Central Electricity Authority, Ministry of Power, New Delhi.
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- *Annual Report*, Ministry of New and Renewable Energy, Government of India, New Delhi, various editions from 2008-2009 to 2017-2018.

Biofuels and waste

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- *Renewable Energy in India: Progress, Vision and Strategy*, Ministry of New and Renewable Energy, 2010.
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- *Energy Data Directory, Yearbook "TEDDY", and Annual Report*, The Energy and Resources Institute "TERI", New Delhi, 1986-1988, 1990.

Indonesia

General notes

Indonesia joined the IEA as an Association country in November 2015.

For 2012-2016 coal exports data from BPS are used. This results in breaks in time series for 2011-2012.

Non-specified industry consumption is re-estimated by the IEA Secretariat.

The production and allocation of coal among the various coal types and products between 2000 and 2016 are estimated by the IEA Secretariat due to data collection limitations.

In 2015, data reported for coal consumption in pulp and paper industry might also include coal consumed in the textile and fertilizers sectors. This may create breaks in time series.

Electricity consumption for the agricultural sector is estimated by the IEA Secretariat for 2000-2016. This may lead to breaks in time series between 1999 and 2000.

In this edition the IEA Secretariat estimated coking coal production for the period 2014-2016. Breaks in time series may appear between 2013 and 2014.

Sources

Sources 2008 to 2016:

- Direct communication with the Data Centre and Information Technology (PUSDATIN), Ministry of Energy and Mineral Resources, Jakarta.
- *Handbook of Energy & Economic Statistics of Indonesia*, PUSDATIN, Ministry of Energy and Mineral Resources (ESDM), Jakarta, various editions up to 2017.
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- *PLN Statistics*, PT.PLN (Persero), Jakarta, various editions up to 2017.
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Sources 1992 to 2007:

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- *Oil and Gas Statistics of Indonesia*, Directorate General Oil and Gas, Jakarta, various editions 1981 to 2007.
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Sources up to 1991:

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- *Energy Planning for Development in Indonesia*, Directorate General for Power, Ministry of Mines and Energy, Jakarta, 1981.
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Sources for Biofuels and waste:

- *GAIN Report - Indonesia biofuels Annual*, United States Department of Agriculture, various editions up to 2015.

- The UN Energy Statistics Database
- IEA Secretariat estimates.
- Direct communication with Indonesian Biofuel Producer Association (APROBI), Jakarta.

Islamic Republic of Iran

General notes

Data are reported according to the Iranian calendar year. Data for 2015 correspond to 20 March 2015 – 19 March 2016, which is Iranian year 1394.

Some flows in the oil and natural gas commodity balances for 2016, corresponding to April 2016–March 2017, were not available for publication. These flows are estimated for 2016.

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Statistical differences in the Islamic Republic of Iran statistics and balances can include stock change for some coal and oil products.

More detailed information for the consumption of coke oven coke became available for 2009-2012. Breaks in time series may occur between 2008 and 2009.

Sources

Sources 1999 to 2016:

- Direct communication with the Ministry of Energy, Teheran.
- *Energy Balance of Iran*, Department of Energy, Teheran, various editions up to the Iranian year 1393, Teheran.
- *Statistical Report on 49 Years of Activities of Iran Electric Power Industry (1967-2015)*, Tavanir Holding Company, Tehran, 2016.
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- IEA Secretariat estimates.

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Sources up to 1991:

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Sources for biofuels and waste:

- The UN Energy Statistics Database.
- *Forestry Statistics*, FAO, Rome, 2000.
- IEA Secretariat estimates.
- Direct communication with the Ministry of Energy, Teheran.

Iraq

General notes

New data for electricity generation became available for 2010-2013. Breaks in time series may occur between 2009 and 2010.

Destruction of Iraq's largest refinery occurred in 2015, resulting in large decreases in oil products output in 2015.

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Crude oil export data include back-blending of fuel oil.

Sources**Sources 1998 to 2016:**

- *Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2017.

- *Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2017.
- JODI- Oil World database, Joint Organisations Data Initiative (JODI), accessed April 2018: <https://www.jodidata.org/oil/>.
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- IEA Secretariat estimates.

Sources up to 1997:

- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Jamaica

General notes

In the 2018 edition, new information became available on charcoal and wood production. This may lead to breaks in time series between 1989 and 1990 data as well as differences with previous editions.

In 2016 edition new information became available on industrial consumption of oil products and electricity. This may lead to breaks in time series between 2007 and 2008 data as well as differences with previous editions.

Sources

Sources 2007 to 2016:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed June 2018: <http://sier.olade.org/>.
- *National energy balance & various statistics*, Ministry of Science, Technology, Energy and Mining of Jamaica, Kingston, 2012-2016.
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- *Production Statistics 1988*, Planning Institute of Jamaica, Kingston, 1989.
- *Statistical Digest*, Research and Development Division, Bank of Jamaica, Kingston, 1984, 1985, 1986, 1989, 1990.

Jordan

General notes

Due to an attack on a major natural gas pipeline between Egypt and Jordan during the 2011 revolution in Egypt, Jordan relied much more on fuel oil and diesel for power generation between 2011 and 2014.

Jordan started importing coal products in 2012.

In 2018 edition, new information from Jordan became available on solid biofuels. Breaks in time series between 2015 and 2016 may occur for solid biofuels.

In 2018 edition, revisions in commercial and public services electricity consumption lead to break in time series between 1992 and 1993.

Sources

Sources 2005 to 2016:

- Direct communication with the Ministry of Energy and Mineral Resources, Amman.
- *Annual Report*, National Electric Power Company, Amman, various editions up to 2017.
- IEA Secretariat estimates.

Sources 1992 to 2004:

- Direct communication with the National Electric Power Company, Amman.
- *Annual Report*, National Electric Power Company, Amman, 1996, 1997, 1999 to 2004.
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- IEA Secretariat estimates.

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Sources for biofuels and waste:

- *Forestry Statistics*, FAO, Rome, 2000.
- IEA Secretariat estimates.

Kazakhstan

General notes

Data for Kazakhstan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Kazakhstan is one of the 11 EU4Energy focus countries.

In 2016, the Committee on Statistics of Kazakhstan introduced changes in the forms used to collect energy data to align more closely with the International Recommendations for Energy Statistics. In order to reduce burden on enterprises, questions on supply were removed and supply data are now taken from administrative sources. As a consequence, breaks in the time series appear for many product and flows, both for supply and demand between 2014 and 2015 data.

From 2012 onwards, as a result of important work carried out jointly by the Committee on Statistics and the Ministry of National Economy of the Republic of Kazakhstan, the IEA Secretariat was able to switch to the Joint IEA/Eurostat/UNECE questionnaires as a primary source for Kazakhstan's data. Breaks in time series appear between 2011 and 2012 as a result of this change.

Some data for fuel inputs to CHP plants are estimated by IEA secretariat.

Kazakhstan's coal data are normally not disaggregated by coal type. The disaggregation presented in the IEA energy balances is achieved by considering the typical end uses for different types of coals. This may lead to large statistical differences for some types of coal.

In 2010, Kazakhstan became a member of a Customs Union with Russia and Belarus. Breaks in trade time series appear from 2009 to 2012 as the Customs shifted from one accounting system to another.

Natural gas production excludes re-injection but, due to data limitations, may include gas vented or flared. As a consequence, the data for natural gas use in oil and gas extraction may also include these amounts.

In order to be consistent with the Customs Union agreements between Russia and Kazakhstan, natural gas production and exports data include raw gas production from the Karachaganak field (not marketable gas as per IEA definition).

Natural gas trade data have been revised by Kazakhstan leading to large statistical differences for 2012 and 2013.

Revisions in aviation gasoline cause breaks in time series between 2014 and 2015.

Sources

Sources 2012 to 2016:

- Direct communication with the Committee on Statistics of the Ministry of National Economy (formerly: Agency on Statistics) of the Republic of Kazakhstan, Astana.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- IEA Secretariat estimates.

Sources 1993 to 2011:

- Direct communication with the Agency on Statistics of the Republic of Kazakhstan, Astana.
- *Fuel and Energy Balance of Kazakhstan Republic*, Agency on Statistics of the Republic of Kazakhstan, Astana, various editions up to 2010.
- Joint IEA/Eurostat/UNECE annual energy questionnaires, 1993, 1995, 1997 to 2009.
- *Statistical Yearbook "Kazakhstan in 2009"*, Agency on Statistics of the Republic of Kazakhstan, Astana, 2010.
- IEA Secretariat estimates.

Sources 1990 to 1992:

- IEA Secretariat estimates.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaire on renewables (2012-2016).
- Before 2012: *Fuel and Energy Balance of Kazakhstan Republic*, Agency on Statistics of the Republic of Kazakhstan, Astana, various editions up to 2010; *Forestry Statistics*, FAO, Rome, 2000; IEA Secretariat estimates.

Kenya

General notes

Electricity data are reported on a fiscal year basis, beginning on 1 July and ending on 30 June of the subsequent year.

Refinery data have been estimated by the IEA Secretariat since 2014 as official data are no longer available.

In 2014, the Olkaria geothermal plant came online, significantly increasing the country's geothermal electricity production capacity. Breaks in time series can be observed between 2013-2014 in electricity output from geothermal energy.

Stock changes for lubricants may include informal trade.

Sources

Sources 2005 to 2016:

- *Economic Survey*, Central Bureau of Statistics, Nairobi, various editions up to 2017.
- *Annual Report and Financial Statements*, Kenya Power, various editions up to 2017.
- Direct communication with AFREPREN and Petroleum Institute of East Africa, Nairobi, up to 2008.
- *Kenya, Facts and figures*, 2006 Edition, Central Bureau of Statistics, Nairobi.
- *Annual Report and Accounts*, 2006/07 to 2013/14 the Kenya Power & Lighting Company Limited, Nairobi.
- IEA Secretariat estimates.

Sources 1992 to 2004:

- Direct communication with the Ministry of Energy, Nairobi.
- *Economic Survey, 1995 to 2004*, Central Bureau of Statistics, Nairobi.
- *Annual Report and Accounts*, 2001/02, 2002/03, 2003/2004, 2004, 2005, the Kenya Power & Lighting Company Limited, Nairobi.
- The UN Energy Statistics Database.

Sources up to 1991:

- *Economic Survey*, Government of Kenya, Nairobi, 1989.
- *Economic Survey 1991*, Ministry of Planning and National Development, Central Bureau of Statistics, Nairobi, 1992.
- *Kenya Statistical Digest*, Ministry of Planning and National Development, Central Bureau of Statistics, Nairobi, 1988.

Sources for biofuels and waste:

- Data for 2000 are based on research carried out by the Ministry of Energy on consumption of solid biofuels. The results of this research were published as part of a National Energy Policy initiative.

- IEA Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

Kosovo

General notes

Data for Kosovo are available starting in 2000. Prior to that, they are included in Serbia.

2011 is the first year when electricity transit trade data are available. As a result, a break in time series occurs between 2010 and 2011.

In 2011, a desulphurization unit operated in Kosovo for a few months only. As a result, breaks in time series occur between 2010-2011 and 2011-2012.

A break in time series between 2015 and 2016 may be observed in biofuels and waste due to a survey conducted on household consumption.

Sources

Sources 2011 to 2016:

- Direct communication with the Kosovo Agency of Statistics, Pristina, Kosovo.
- Direct communication with the Ministry of Energy and Mining, Pristina, Kosovo.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.

Sources 2003 to 2010:

- Kosovo National Energy Balances, Ministry of Energy and Mining Department of Strategy, Standards and Statistics from 2003 to 2010.
- IEA Secretariat estimates

Sources 2000 to 2002:

- IEA Secretariat estimates.

Kuwait

General notes

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Data for crude oil production include 50 per cent of the output of the Neutral Zone shared with Saudi Arabia.

Information for the use of ethane in the petrochemical sector is available from 2008 onward. This may lead to breaks in time series for ethane and naphtha production and consumption between 2007 and 2008.

Electricity outputs from crude oil are not separated from other oil products electricity output.

New data became available for oil products consumption. Revisions in oil products may be seen between 2012 and 2015.

Sources

Sources 1992 to 2016:

- *Annual Statistical Abstract*, Central Statistical Bureau, State of Kuwait various editions up to 2016.
- *Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTE), Amman, 2011 to 2017.
- Direct communication with the Ministry of Oil, Kuwait City.
- Direct communication with Central Statistical Bureau, Kuwait City.
- *Electrical Energy Statistical Year Book*, Ministry of Electricity and Water, edition 2017.
- *Annual Report*, Kuwait National Petroleum Company, 2015-2016
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- *Annual Electrical Statistics*, Ministry of Electricity and Water, Safat, various editions up to 2009.
- *Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2017.
- *Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2017.
- Direct communication with the Ministry of Planning and the Ministry of Electricity & Water, Kuwait City.
- *Monthly Digest of Statistics*, Ministry of Planning, Central Statistical Office, Kuwait, 1999.
- *A Survey of the Kuwait Oil Industry*, Embassy of the United States of America in Kuwait City, Kuwait, 1993.

- *Twelfth Annual Report 1991-1992*, Kuwait Petroleum Corporation, Kuwait, 1993.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources up to 1991:

- *Quarterly Statistical Bulletin*, Central Bank of Kuwait, Kuwait, various editions from 1986 and 1987.
- *The Kuwaiti Economy*, Central Bank of Kuwait, Kuwait, various editions from 1980 to 1985.
- *Annual Statistical Abstract*, Ministry of Planning, Central Statistical Office, Kuwait, 1986 and 1989.
- *Monthly Digest of Statistics*, Ministry of Planning, Central Statistical Office, Kuwait, various editions from 1986 to 1990.
- *Economic and Financial Bulletin Monthly*, Central Bank of Kuwait, Kuwait, various editions from 1983 to 1986.
- *Kuwait in Figures*, National Bank of Kuwait, Kuwait, 1986, 1987.

Sources for Biofuels and waste:

- *Forestry Statistics*, FAO, Rome, 2001.
- IEA Secretariat estimates.

Kyrgyzstan

General notes

Data for Kyrgyzstan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Kyrgyzstan is one of the 11 EU4Energy focus countries.

From the year 2013, the main data sources for Kyrgyzstan are the set of annual IEA/Eurostat/UNECE joint questionnaires sent by the National Statistical Committee of Kyrgyzstan.

The following data are not available and estimated by the IEA Secretariat: biofuels and waste, and output of electricity and heat by product.

For the year 2015, new information became available on the consumption of motorgasoline and gas/diesel by product. All motorgasoline use was allocated by the IEA to road transport. Gas/diesel consumption reported in other sectors than road might include road transport.

In the 2014 edition, time series data for electricity, oil products, and coal products for 2005 to 2011 were revised based on newly available information. This may lead to breaks in the time series for some products.

Sources

Sources 2013 to 2016:

- Direct communication with the National Statistical Committee of Kyrgyzstan, Bishkek.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- *Fuel & Energy Balances*, National Statistical Committee of Kyrgyzstan, Bishkek.
- *CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, 2013 to 2014.
- IEA Secretariat estimates.

Sources 2007 to 2012:

- Direct communication with the National Statistical Committee of Kyrgyzstan, Bishkek.
- Direct communication with the Interstate Statistical Committee of the Commonwealth of Independent States, Moscow.
- *Fuel & Energy Balances*, National Statistical Committee of Kyrgyzstan, Bishkek.
- Joint IEA/Eurostat/UNECE annual energy questionnaires for 2012.
- *CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, 2008 to 2012.
- *Natural Gas Vehicles Statistics*, International Association for Natural Gas Vehicles, online database: www.iangv.org.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources 1993 to 2006:

- *CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, various editions up to 2007.
- Joint IEA/Eurostat/UNECE annual energy questionnaires, 1993 to 2006.
- Asian Development Bank.
- IEA Secretariat estimates.

Sources 1990 to 1992:

- IEA Secretariat estimates.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaires on renewables (2013-2016).
- Before 2013: The UN Energy Statistics Database; IEA Secretariat estimates.

Latvia

General notes

Data for Latvia are available starting in 1990. Prior to that, they are included in Former Soviet Union.

On 1 July 2016, Latvia became a full member of the OECD.

Sources

Sources 1990 to 2015:

- Direct communication with Statistics Latvia, Riga.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- Balance of Latvian Energy, EC PHARE Project Implementation Unit, Ministry of Economics, Department of Energy, Riga, 1994.
- IEA Secretariat estimates.

Lebanon

General notes

In 2015 and 2016, no official data were available for Lebanon. Data in this year's edition are primarily based on secondary sources and IEA Secretariat estimates.

A significant share of electricity generated in Lebanon is produced using private generators. The corresponding electricity outputs and inputs were estimated by the IEA Secretariat based on ALMEE-figures (Association Libanaise pour la Maîtrise de l'Énergie et l'Environnement) until 2014.

Customs data for trade of oil products may be misleading due to the existence of informal trade with neighbouring countries.

Sources

Sources up to 2016:

- Direct communication with Association Libanaise pour la Maîtrise de l'Énergie et l'Environnement, (ALMEE), Beirut.

- Direct communication with Lebanese Center for Energy Conservation, Beirut.
- *Les bilans énergétiques au Liban*, Association Libanaise pour la Maîtrise de l'Énergie et de l'Environnement, Beirut, 2007 to 2015.
- *L'Énergie au Liban*, Association Libanaise pour la Maîtrise de l'Énergie et de l'Environnement, Beirut, 1994 to 2006.
- *L'Énergie au Liban, le Défi*, Association Libanaise pour la Maîtrise de l'Énergie, Beirut, December 1996.
- *Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, IEA Solar Heating & Cooling Programme various editions up to 2018.
- *Renewable Energy in Lebanon in 2015*, Association Libanaise pour la Maîtrise de l'Énergie et de l'Environnement, Beirut.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- *Le marché du solaire thermique au Liban*, Association Libanaise pour la Maîtrise de l'Énergie et de l'Environnement, Beirut, 2010.
- *Forestry Statistics*, FAO, Rome, 2017.
- IEA Secretariat estimates.

Libya

General notes

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Due to new information on oil and electricity becoming available from 2006, breaks in time series may occur between 2005 and 2006.

Non-technical losses and data uncertainty result in break in time series for electricity losses and statistical differences between 2011 and 2012.

Due to lack of official country data, oil products trade and solid biofuels data have been estimated by the IEA secretariat. Data for natural gas inputs to electricity are unavailable in 2015 and 2016.

Sources

Sources 1971 to 2016:

- *Statistical Bulletin*, Central Bank of Libya, Tripoli, various editions up to 2017.

- *Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2016.
- *Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2017.
- *Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, various editions up to 2016.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- *Renewable energy statistics 2018*, International Renewable Energy Agency (IRENA).
- *Bulletin Statistique Annuel, Comité Maghrebin d'électricité (COMELEC)*, various editions up to 2014.
- Direct communication with the Ministry of Electricity and Renewable Energy, Tripoli.
- *Annual Report*, 2008, General Electricity Company (GECOL), Tripoli.
- *Statistical Abstract of Libya*, 19th vol., Government of Libya, Tripoli, 1983.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Lithuania

General notes

Data for Lithuania are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Lithuania shut down its only nuclear power plant in 2009 (Ignalina nuclear power plant).

In 2013 Lithuania started an industrial and municipal waste incinerator, which may lead to breaks in time series for these products.

Since December 2014, Lithuania has a new floating LNG terminal. LNG is imported, re-gasified and exported as pipeline gas.

Sources

Sources up to 2016:

- Direct communication with Statistics Lithuania, Vilnius.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.

Malaysia

General notes

For natural gas production from the Joint-Development Areas (JDA) with Thailand and with Indonesia, Malaysia reports only the production that corresponds to Malaysia. The rest is reported as imports. For the JDA with Viet Nam, the production reported includes all the gas produced.

Due to new information available in 2012, the solid biofuels data was revised. This may lead to breaks in time series between 2008 and 2009.

Detailed information on the non-energy use by oil product is only available from 2007 to 2009. From 2010, these quantities are presented in aggregate form under the category other non-specified oil products.

From 2009, electricity generation from co-generators, small renewable power producers and self-generators is available. As a consequence, breaks in time series may appear for electricity between 2008 and 2009.

LPG data may include ethane.

Sources

Sources 2000 to 2016:

- Direct communication with the Energy Commission, Putrajaya.
- *National Energy Balance*, Malaysia, Energy Commission, Putrajaya, 2009 to 2016.
- *Electricity Supply Industry in Malaysia*, Performance and Statistical Information, Malaysia Energy Commission, Putrajaya, 2009 to 2016.
- *Electricity Supply Statistics, Malaysia Energy Information Hub*, website: meih.st.gov.my, 2018.
- *Monthly exports of oil palm products*, Malaysia Palm Oil Board, Kuala Lumpur.
- APEC annual energy questionnaires, 2009, 2011.
- *National Energy Balance Malaysia*, Ministry of Energy, Water and Communication, Kuala Lumpur, 2002 to 2008.

Sources up to 2000:

- Direct communication with Petroliaam Nasional Berhad, Kuala Lumpur, April 2001.

Sources for biofuels and waste:

- *Monthly exports of oil palm products*, Malaysia Palm Oil Board, Kuala Lumpur.

- The UN Energy Statistics Database.
- *Forestry Statistics*, FAO, Rome, 2016.
- IEA Secretariat estimates.

Malta

General notes

2016 saw the phase out of oil products for electricity production continue as the country switched part of its power generation engines to operate on natural gas. 2015's trend of decreasing electricity production and increasing imports of electricity continued in 2016. Malta imported its electricity from Italy via an interconnector.

In 2011, a new power generation station fuelled by biogas became operational in Malta. This may lead to breaks in time series for some products and flows.

Sources

Sources up to 2016:

- Direct communication with the Central Office of Statistics, Valletta.
- Joint IEA/Eurostat/UNECE annual energy questionnaire on oil, 1995 to 1998, 2000, 2001, 2005 to 2016.
- Joint IEA/Eurostat/UNECE annual energy questionnaire on electricity and heat, 1994 to 1998, 2000, 2001, 2003, and 2005 to 2016.
- Joint IEA/Eurostat/UNECE annual energy questionnaire on renewables, 2011 to 2016.
- Joint IEA/Eurostat/UNECE annual questionnaire on coal, 1994, 1995.
- *Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, IEA Solar Heating & Cooling Programme, various editions up to 2010.
- IEA Secretariat estimates.

Mauritius

Sources

Sources 1971 to 2016:

- Direct communication with the Ministry of Public Utilities, Statistics Unit, Port Louis.

- Website of the Statistics Mauritius under the Ministry of Public Utilities accessed in February 2018: statsmauritius.gov.mu.
- *Energy and Water Statistics, various editions up to 2016*, Statistics Mauritius, Port Louis.

Moldova

General notes

Data for Moldova are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Moldova is one of the 11 EU4Energy focus countries.

Official figures on natural gas imports, natural gas inputs to power plants, electricity production and consumption are modified by the IEA Secretariat to include estimates for supply and demand for the autonomous region of Sfînga Nistrului (also known as the Pridnestrovian Moldavian Republic or Transnistria). Other energy production or consumption from this region is not included in the Moldovan data. This may lead to breaks in the time series for some products.

Due to the inclusion of estimated data in the Moldova energy balance, indicators for per capita energy consumption or energy intensity may appear inconsistent with expected trends.

The National Bureau of Statistics has put a great effort has been put to follow the International Recommendations for Energy Statistics and revise time series when possible. As a consequence, breaks in time series in 1993 for heat, in 2012 for aviation bunkers and in 2005 for other products. More survey data on solid biomass, including wood, animal waste and other plant residues are available since 2010.

Sources

Sources 2008 to 2016:

For Moldova, excluding Transnistria:

- Direct communication with the National Bureau of Statistics of the Republic of Moldova, Chisinau.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.

For natural gas imports:

- Direct communication with State Statistics Service of Ukraine.

For Transnistria electricity production:

- Website of Ministry of Economic Development of Transnistrian Moldovian Republic, accessed February 2018 mer.gospmr.org.
- IEA Secretariat estimates.

Sources 1992 to 2008:

- Joint IEA/Eurostat/UNECE annual energy questionnaire on electricity and heat, 1991 to 2008.
- Joint IEA/Eurostat/UNECE annual energy questionnaire on natural gas, 1991 to 2008.
- Joint IEA/Eurostat/UNECE annual energy questionnaire on coal, 1992 to 2008.
- Joint IEA/Eurostat/UNECE annual energy questionnaire on oil, 1993 to 1998, 2001 to 2008.
- Direct communication with the Ministry of Industry and Energy.
- *CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, various editions up to 2011.
- IEA Secretariat estimates.

Sources 1990 to 1991:

- IEA Secretariat estimates.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE questionnaire on renewables.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Mongolia

General notes

Data for Mongolia are available starting in 1985. Prior to that, they are included in Other Asia.

Data allowing a disaggregation of coal by type became available in 2015. In addition time series were revised from 2005 forward. Breaks in time series between 2004 and 2005 may result as well as differences in trends from previous editions.

In this edition, new data for renewable electricity production became available. This might create breaks in time series between 2002 and 2003.

Sources

Sources 1985 to 2016:

- *Mongolian Statistical Yearbook*, National Statistical Office, Ulaanbaatar, various editions up to 2017.
- *Balance of Coal & Coal Exports*, Mongolian Statistical Information Service, National Statistical Office, Ulaanbaatar, online statistical service, accessed May 2018: www.1212.mn.
- *Renewable energy statistics 2018*, International Renewable Energy Agency (IRENA). *Mongolian Statistical Bulletin, December 2009*, National Statistical Office, Ulaanbaatar, 2009.
- Asian Development Bank online database.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- *FAO, Forestry Statistics*, online database.
- IEA Secretariat estimates.

Montenegro

General notes

Data for Montenegro are available starting in 2005. Between 1990 and 2004, they are included in Serbia. Prior to 1990, they are included in Former Yugoslavia.

Breaks in time series appearing in solid biofuels between 2010 and 2011 can be explained by a new survey carried out by Montenegro in 2013.

A new survey on energy consumption in industry was conducted by Montenegro in 2014. Due to this newly available data some breaks in time series may occur between 2004 and 2005.

Sources

Sources 2005 to 2016:

- Direct communication with the Statistical Office of Montenegro (MONSTAT), Podgorica.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.

Morocco

General notes

Morocco joined the IEA as an Association country in November 2016.

Morocco started filling the five Joint IEA/Eurostat/UNECE questionnaires for the year 2015. This may lead to breaks in time series between 2014 and 2015.

In the 2018 edition, revisions in biofuels were made for the period 2004-2014. This may lead to breaks in time series between 2003 and 2004.

In the 2018 edition, revisions in auto producer electricity from combustible fuels and electricity production from heat from chemical sources were made and a break in time series may be observed between 2012 and 2013.

The Samir-Mohammedia refinery expansion was completed in 2009, accommodating new feedstocks and additives. This may lead to breaks in time series between 2009 and 2010.

In August 2015, refinery activity stopped, causing significant decreases in refined oil products production and breaks in time series between 2014, 2015, and 2016.

Sources

Sources 2015 to 2016 :

- Joint IEA/Eurostat/UNECE annual energy questionnaires.

Sources 1992 to 2014:

- Direct communication with Ministère de l'Energie et des Mines, Direction des Mines, Rabat.
- *Annuaire Statistique du Maroc*, Haut-Commissariat au Plan, Direction de la Statistique, Rabat, 1980, 1984, 1986 to 2011.
- Electricity consumption by economic sector from direct communication with Office National de l'Electricité, Casablanca.

Sources up to 1991:

- *Rapport d'Activité 1992*, Office National de l'Electricité, Casablanca, 1993.
- *Le Maroc en Chiffres 1986*, Ministère du Plan, Direction de la Statistique, Rabat, 1987.
- *Rapport Annuel*, Office National de Recherches et d'Exploitations Pétrolières, Maroc, 1984.
- *Rapport d'Activité du Secteur Pétrolier 1983*, Ministère de l'Energie et des Mines, Direction de l'Energie, Rabat, 1984.

- *Rapport sur les Données Énergétiques Nationales 1979-1981*, Ministère de l'Énergie et des Mines, Rabat, 1982.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaire on renewables (2015-2016).
- Before 2015: Direct communication with Ministère de l'Énergie et des Mines, Direction des Mines, Rabat; The UN Energy Statistics Database; IEA Secretariat estimates.

Mozambique

Sources

Sources 1992 to 2016:

- Direct communication with Ministério da Energia, Maputo and the National Petroleum Institute.
- *Annual Statistical Yearbook 1993, 1994, 1995*, Eskom, Johannesburg, 1994, 1995, 1996, citing Electricidade de Mozambique, Maputo, as source.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources up to 1991:

- IEA Secretariat estimates.

Sources for biofuels and waste:

- Direct communication with Ministério da Energia, Maputo.
- IEA Secretariat estimates.

Myanmar

General notes

Data from the Myanmar Central Statistical Organisation are reported on a fiscal year basis, beginning on 1 April and ending on 31 March of the subsequent year.

In the 2018 edition, demand data for all energy products became available for 2016. This might result in breaks in time series from 2015 to 2016.

In the 2018 edition, trade data for coal became available in 2016. This might result in breaks in time series from 2015 to 2016.

Sources

Sources 1992 to 2016:

- Direct communication with the Ministry of electricity and Energy, Oil and Gas Planning Department.
- Direct communication with the Institute of Energy Economics, Japan (IEEJ), Tokyo, 2010-2014.
- *Selected Indicators*, Myanmar Central Statistical Organisation website: www.csostat.gov.mm.
- JODI- Oil World database, Joint Organisations Data Initiative (JODI), accessed April 2018: <https://www.jodidata.org/oil/>.
- *Oil and Thailand*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, Bangkok, 2007 to 2013.
- Direct communication with the Ministry of Energy, Planning Department, Rangoon, 2006-2007.
- *Review of the Financial Economic and Social Conditions*, Ministry of National Planning and Economic Development, Central Statistical Organization, Rangoon, 1995, 1996.
- *Statistical Yearbook*, Ministry of National Planning and Economic Development, Central Statistical Organization, Rangoon, 1995, 1996.
- The UN Energy Statistics Database.
- *The ASEAN Energy Statistics Database*.
- Asian Development Bank online database.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- IEA Secretariat estimates.

Sources up to 1991:

- *Sectoral Energy Demand in Myanmar*, UNDP Economic and Social Commission for Asia and the Pacific, Bangkok, 1992.
- *Selected Monthly Economic Indicators, paper no. 3*, Ministry of Planning and Finance, Central Statistical Organization, Rangoon, 1989.

Sources for biofuels and waste:

- Wood data have been submitted by the Ministry of Energy, from 1985 to 2003.
- IEA Secretariat estimates based on 1990 data from *UNDP Sixth Country Programme Union of Myanmar*, World Bank, Programme Sectoral Review of Energy, by Sousing et. al., Washington, D.C., 1991.

Namibia

General notes

Data for Namibia are available starting in 1991. Prior to that, data are included in Other Africa.

Charcoal exports data are revised back to 2000 based on FAO data. This may create break in time series between 1999 and 2000.

Sources

Sources 1991 to 2016:

- *Namibia Energy Balance 2000-2014*. Electricity Control Board, Windhoek.
- Direct communication with the Ministry of Mines and Energy, Windhoek.
- *NamPower Annual Report*, Namibia Power Corporation, Windhoek, various editions up to 2017. Note: NamPower data are published on a fiscal year basis (July to June)
- *Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, IEA Solar Heating & Cooling Programme, various editions up to 2018.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- The UN Energy Statistics Database and *Forestry Statistics*, FAO, Rome, various editions up to 2017.
- IEA Secretariat estimates.

Nepal

General notes

Data are reported on a fiscal year basis, beginning on 1 July and ending on 30 June of the subsequent year 2016/17 is treated as 2016.

Sources

Sources up to 2016:

- Direct communication with the Water and Energy Commission Secretariat (WECS), Ministry of Water Resources, Kathmandu.

- *A Year in Review*, Nepal Electricity Authority, Durbar Marg, Kathmandu, various editions up to fiscal year 2016/17.
- *Imports and Sales of Petroleum Products*, Nepal Oil Corporation Limited, Kathmandu, various editions up to 2018.
- *Energy Sector Synopsis Report*, Water and Energy Commission Secretariat (WECS), Kathmandu, July 2010.
- IEA Secretariat estimates.

Sources up to 1996:

- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- Water and Energy Commission Secretariat (WECS), Ministry of Water Resources, Kathmandu.
- IEA Secretariat estimates.

Nicaragua

General notes

Nicaragua changed their methodology for the reporting of solid biofuels following a survey held in 2006-2007. Revisions and additional estimations necessary to take resulting new data into account might result in breaks in some flow's time series between 2005 and 2006.

Sources

Sources up to 2016:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed April 2018: <http://sier.olade.org/>.
- *Estadísticas de los Hidrocarburos*, Ministerio de Energía y Minas, Managua, 2008 to 2016.
- *Generación Bruta por Tipo de Planta*, Instituto Nicaragüense de Energía, Managua, 2017.
- *Consumo de Combustible por Tipo de Planta*, Instituto Nicaragüense de Energía, Managua, 2017.
- *Traffic Data*, Empresa Administradora de Aeropuertos Internacionales, Nicaragua, accessed June 2018: <https://www.eaai.com.ni/>.
- *Balance Energético Nacional*, Ministerio de Energía y Minas, Managua, 1999 to 2007.

- *Balance Energético Nacional*, Comisión Nacional de Energía (CNE), Dirección de Políticas Energéticas, Managua, 2000 to 2005.
- *Estadísticas de Suministro de los Hidrocarburos*, Instituto Nicaragüense de Energía, Managua, 1999 to 2004.
- *Informe Anual 1996: Datos Estadísticos del Sector Electrico*, INE, Managua, 1999.
- *Balance Energetico Nacional*, Comision Nacional de Energia (CNE), Managua, 1999 to 2007.

Niger

General notes

Data for Niger are available starting in 2000. Prior to 2000, data for Niger are presented in Other Africa.

Sources

Sources up to 2016:

- Direct communication with the Ministry of Energy and Oil.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- Ministry of Energy and Oil.
- IEA Secretariat estimates.

Nigeria

General notes

Crude oil production and export data may include field condensate.

Statistical differences may include stocks and un-official trade flows.

Inputs of motor gasoline and gas/diesel to back-up electricity generation, as well as the associated electricity outputs, which may be substantial in Nigeria, may not be captured.

In the 2015 edition, new information became available indicating that on-grid power generation has been fuelled by natural gas for many years. This may lead to breaks in time series between 1996 and 1997 as well as differences in trends compared to previous editions for some oil products.

In the 2017 edition, new information became available through the Nigerian National Petroleum Corporation for Natural Gas Liquids. Break in time series can be observed between 2012 and 2013.

In the 2017 edition, naphtha data are added. Breaks in time series can be observed in Other Oil Products and Naphtha in 2003 and 2015.

In the 2018 edition, new information became available through the department of Petroleum Resources. Breaks in time series can be observed between 2009 and 2010 for motor gasoline, jet kerosene, diesel, and fuel oil; and between 2013 and 2014 for lubricants.

Sources

Sources 1992 to 2016:

- Direct communication with the Energy Commission of Nigeria, Abuja.
- Direct communication with the African Energy Commission, Algiers, Algeria.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- *Annual Petroleum Bulletin*, Nigerian National Petroleum Corporation (NNPC), Abuja, various editions from 1998 to 2016.
- *2016 Oil and Gas Annual Report*, Department of Petroleum Resources, Lagos.
- *Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2017.
- *Statistical Bulletin*, Central Bank of Nigeria, Abuja, various editions from 2003 to 2015.
- *Monthly Petroleum Bulletin* for 2000, Nigerian National Petroleum Corporation (NNPC), Abuja.
- *Annual Report and Statement of Accounts 1995*, Central Bank of Nigeria, Lagos, 1996.
- *Nigerian Petroleum News*, Energy Publications, monthly reports, various issues up to May 1998.
- IEA Secretariat estimates.

Sources up to 1991:

- *Annual Report and Statement of Accounts*, Central Bank of Nigeria, Lagos, various editions from 1981 to 1987.
- *Basic Energy Statistics for Nigeria*, Nigerian National Petroleum Corporation, Lagos, 1984.
- *NNPC Annual Statistical Bulletin*, Nigerian National Petroleum Corporation, Lagos, 1983 to 1987.

- *The Economic and Financial Review*, Central Bank of Nigeria, Lagos, various editions.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

Oman

General notes

The interconnected nature of the Mina-Al-Fahal and Suhar oil refineries is reflected in the fuel oil data leading to breaks in time series for some products between 2007 and 2008.

Natural gas shows a break in time series for some flows between 2006 and 2007 due to a new methodology applied in both supply and demand.

Electricity output shows a break in time series between 2004 and 2005 as a national data source became available.

In 2006, the Suhar Refinery came online with 166 kbd capacity. Breaks in time series can be observed in oil products between 2005 and 2006.

Sources

Sources 2005 to 2016:

- *Statistical Yearbook*, National Centre for Statistics and Information (NSCI), various editions from 1999 to 2017 (Formerly Ministry of National Economy).
- *Annual report*, Authority for Electricity Regulation, Oman, various editions from 2005 to 2017.
- *Annual report*, Oman LNG Company, various editions from 2009 to 2017.
- *Annual Report*, Central Bank of Oman, Muscat, various editions up to 2017.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- *Online statistics*, Sultanate of Oman, Ministry of Oil and Gas.
- *Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2016.
- The LNG Industry, International Group of Liquefied Natural Gas Importers (GIIGNL), Levallois, 2005-2016.

- IEA Secretariat estimates.

Sources 1992 to 2004:

- Direct communication with the Ministry of National Economy, Muscat.
- Direct communication with the Ministry of Oil and Gas, Muscat.
- Direct communication with the Ministry of Petroleum and Minerals, Muscat, 1997, 1998, and 1999.
- Direct communication with the Ministry of Electricity & Water, Office of the Under Secretary, Ruwi, 1998 to 2001.
- *Quarterly Bulletin December 1994*, Central Bank of Oman, Muscat, 1995.
- *Annual Report*, Central Bank of Oman, Muscat, 1993.
- *Statistical Yearbook*, 1994, 1995, 1996, 1997, Ministry of Development, Muscat, 1995 to 1998.
- IEA Secretariat estimates.

Sources up to 1991:

- *Quarterly Bulletin*, Central Bank of Oman, Muscat, 1986, 1987, 1989 and 1995.
- *Annual Report to His Majesty the Sultan of Oman*, Department of Information and Public Affairs, Petroleum Development, Muscat, 1981, 1982, and 1984.
- *Oman Facts and Figures 1986*, Directorate General of National Statistics, Development Council, Technical Secretariat, Muscat, 1987.
- *Quarterly Bulletin on Main Economic Indicators*, Directorate General of National Statistics, Muscat, 1989.
- *Statistical Yearbook*, Directorate General of National Statistics, Development Council, Muscat, 1985, 1986, 1988 and 1992.

Pakistan

General notes

The IEA Secretariat could not obtain data for 2016 from Pakistan in time. As a consequence, most data points for 2016 have been estimated based on developments in population and GDP in Pakistan. Specific information on new installed capacity has been incorporated into these estimations.

Time series data for natural gas for the years 2004-2007 were revised in 2009 due to the inclusion of the North-West Frontier Province data (now called KPK) and Pakistan Steel Mills. Breaks in time series may occur between 2003 and 2004.

Own use of electricity by industries with autoproducer electricity plants may not be captured.

For bitumen and lubricants, data for stock variations may include unreported trade or consumption.

Sources

Sources 1992 to 2016:

- *Energy Yearbook*, Hydrocarbon Development Institute of Pakistan, Ministry of Petroleum and Natural Resources, Islamabad, various editions from 1979 to 2016.
- *Pakistan Economic Survey 1994-1995, 1996, 1997*, Government of Pakistan, Finance Division, Islamabad, 1995, 1997, 1998.
- *Statistical Supplement 1993/1994*, Finance Division, Economic Adviser's Wing, Government of Pakistan, Islamabad, 1995.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- IEA Secretariat estimates.

Sources up to 1991:

- *Monthly Statistical Bulletin, no. 12*, Federal Bureau of Statistics, Islamabad, December 1989.
- *1986 Bulletin*, State Bank of Pakistan, Islamabad, 1987.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1991 data from *Household Energy Strategy Study (HESS)* of 1991.

Panama

General notes

International aviation bunkers figures for jet kerosene may include exports.

From 2003 onwards there has been no output of oil products due to refinery closure.

In 2016, time series for fuelwood data were revised according to data from OLADE. Break in time series can be observed in 2010.

Sources

Sources up to 2016:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed Apr 2018: <http://sier.olade.org/>.
- *Compendio Estadístico Energético 1970-2016*, Ministerio de Economía y Finanzas, Comisión de Política Energética, Panama.
- *Boletín Estadístico Marítimo Portuario*, Autoridad Marítima de Panamá (AMP), Panama, 2007 to 2016, www.amp.gob.pa.
- *Annual Report*, Canal de Panamá, Panama, 2012.
- US Energy Information Administration (EIA), website, marine bunkers data from 2001 to 2006.

Paraguay

General notes

The Itaipu hydroelectric plant, operating since 1984 and located on the Paraná River (which forms the border of Brazil and Paraguay) was formed as a joint venture between Eletrobrás and the Paraguayan government.

From 2006 onwards, there has been no output of oil products, due to refinery closure.

Sources

Sources up to 2016:

- *Balance Energético Nacional, 1971-2016*, Vice-ministerio de Energía y Minas, Ministerio de Obras Públicas y Comunicaciones, San Lorenzo.
- Direct communication with Ministerio de Obras Públicas y Comunicaciones, San Lorenzo.

Peru

General notes

Liquid biofuels are included in the energy balances from 2010 onwards.

Between 2015 and 2016, there is a break in time series due to a restructuring of energy balance for demand side of energy products.

In the 2018 edition, crude oil and NGL figures were revised for the years 2004-2015 due to change of the

of methodology. This may lead to different trends compared to previous editions of this publication.

Sources

Sources up to 2016:

- Direct communication with Ministerio de Energía y Minas, Oficina Técnica de Energía, Lima.
- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed April 2018: <http://sier.olade.org/>.
- *Balance Nacional de Energía*, Ministerio de Energía y Minas, Lima, various editions up to 2017.
- *Hidrocarburos Estadísticas*, Organismo Supervisor de la Inversión en Energía y Minería, 2012.
- IEA Secretariat estimates.

Philippines

General notes

In the 2018 edition, data for 2012-2016 for bagasse has been revised. This may lead to breaks in time series between 2011 and 2012.

Sources

Sources 1990 to 2016:

- Direct communication with the Department of Energy, Manila.
- *Energy Commodity Account (ECA)* and *Overall Energy Balance (OEB)*, 1990-2008, 2010-2016 submitted by the Department of Energy, Manila.
- APEC annual energy statistics questionnaires.
- *Annual Report*, Semirara Mining Corporation, 2006-2017.
- IHS McCloskey, 2011-2016.
- *Annual steel production 1980-2017*, World Steel Association, www.worldsteel.org/statistics/.
- *Philippines Energy Bulletin 1996, 1997, 1998, 1999*.
- IEA Secretariat estimates.

Sources up to 1989:

- Direct communication with the Office of Energy Affairs, Manila.

- *APEC Energy Statistics 1994*, Tokyo, October 1996.
- *1990 Power Development Program (1990-2005)*, National Power Corporation, Manila, 1990.
- *Philippine Medium-term Energy Plan 1988-1992*, Office of Energy Affairs, Manila, 1989.
- *Philippine Statistical Yearbook 1977-1983*, National Economic and Development Authority, Manila.
- *1985 and 1989 Annual Report*, National Power Corporation, Manila, 1986, 1990.
- *Philippine Economic Indicators*, National Economic and Development Authority, Manila, various editions of 1985.
- *Accomplishment Report: Energy Self-Reliance 1973-1983*, Ministry of Energy, Manila, 1984.
- *Industrial Energy Profiles 1972-1979*, vol. 1-4, Ministry of Energy, Manila, 1980.
- *National Energy Program*, Ministry of Energy, Manila, 1982-1987 and 1986-1990.
- *Philippine Statistics 1974-1981*, Ministry of Energy, Manila, 1982.
- *Energy Statistics*, National Economic and Development Authority, Manila, 1983.
- *Quarterly Review*, Office of Energy Affairs, Manila, various editions.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Qatar

General notes

Crude oil production and export data do not include field condensate.

Natural gas liquids (NGL) include field condensates, propane, butane and ethane production from natural gas processing plants. NGL produced from liquefied natural gas production plants and gas-to-liquids plants may be excluded.

Propane and butane from natural gas processing plants are transferred to LPG. Ethane from natural gas processing plants is transferred to ethane.

Information on the use of LPG and ethane in the petrochemical sector is from 2005 onward. This may lead to breaks in time series for these products between 2004 and 2005.

In 2010, a new ethane cracker began operations in Ras Laffan, Qatar, with production capacity of 1.3 million tonnes per year. Breaks in time series in LPG and ethane production can be seen between 2009 and 2010.

Electricity production from autoproducers includes generation by desalination plants since 1988. Own use of electricity includes use by desalination plants since a breakdown is not available. Electricity consumption in industry includes electricity consumption by the energy sector.

Three satellite power stations located outside of Doha are included as main electricity producers up to 2014. In 2015, these power stations are not reported and are likely included as part of RAF-A station as auto production.

Revisions were made in 2014 for refinery intake of crude oil production based on Qatar Petroleum reports.

Sources

Sources 1992 to 2016:

- Direct communication with Qatar Statistical Authority, Doha.
- Direct communication with Qatar Petroleum, Doha.
- Direct communication with Kahramaa, Qatar General Electricity and Water Cooperation, Doha.
- Direct communication with National Minerals Information Center, U.S Geological Survey.
- *Statistics Report*, Kahramaa, Qatar General Electricity and Water Corporation, Doha, editions 2005 to 2008, 2010 to 2016.
- *Qatar in Figures*, Qatar Statistics Authority. Doha, 2011-2016 editions.
- *2016 Integrated Report*, Qatar Petrochemical Company, Doha.
- *Annual Report 2016*, Qatar Fertilizer Company, Doha.
- JODI- Oil World database, Joint Organisations Data Initiative (JODI), accessed April 2018: <https://www.jodidata.org/oil/>.
- *Statistical Bulletin*, Arab Union of Electricity, 2011-2015.
- *Annual Report 2004-2015*, Qatar Petroleum, Doha.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.

- *The LNG Industry*, International Group of Liquefied Natural Gas Importers (GIIGNL), various editions up to 2017.
- *Statistics Archives*, World Steel Association, www.worldsteel.org.
- *Annual Statistical Abstract, Qatar Statistics Authority, 1994 to 2012*.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources up to 1991:

- *Qatar General Petroleum Corporation 1981-1985*, General Petroleum Corporation, Doha, 1986.
- *Economic Survey of Qatar 1990*, Ministry of Economy and Commerce, Department of Economic Affairs, Doha, 1991.
- *Statistical Report 1987 Electricity & Water*, Ministry of Electricity, Doha, 1988.
- *State of Qatar Seventh Annual Report 1983*, Qatar Monetary Agency, Department of Research and Statistics, Doha, 1984.

Sources for biofuels and waste:

- *Forestry Statistics*, FAO, Rome, 2000.
- IEA Secretariat estimates.

Romania

General notes

Romania's methodology for estimating indigenous production of geothermal energy differs from the one that IEA has adopted. Therefore, data comparisons between Romania and other countries might be misleading.

Data on quantities of coke oven coke used in blast furnaces do not correspond to the official submission of the national administration, as they have been estimated by the IEA Secretariat to ensure a carbon balance in the blast furnace transformation.

Sources

Sources 1992 to 2016:

- Direct communication with the National Institute of Statistics, Bucharest.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.

- *Buletin Statistic de Informare Publica*, Comisia Nationala Pentru Statistica, Bucharest, various editions up to June 1995.
- *Renel Information Bulletin*, Romanian Electricity Authority, Bucharest, 1990, 1991, 1992, 1993, 1994. *Anuarul Statistic al Republicii Socialiste Romania*, Comisia Nationala Pentru Statistica, Bucharest, 1984, 1985, 1986, 1990, 1991.
- IEA Secretariat estimates.

Russian Federation

General notes

Data for the Russian Federation are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Annual statistics are based on annual joint IEA/Eurostat/UNECE questionnaires submissions received from Rosstat, the official data provider to the IEA. Data may differ from secondary sources, and discrepancies are being investigated.

In 2007, the Federal State Statistics Service introduced a new classification, the Russian Classification of Economic Activities (OKVED), oriented towards harmonization with the Statistical Classification of Economic Activities in the European Community (NACE Rev.1). Data for the years prior to 2005 were submitted to the IEA Secretariat according to the Russian Classification of the Industries of the Economy (OKONKH). Therefore, breaks in time series for final consumption sectors may occur between 2004 and 2005.

Coal

Coal statistics provided by Rosstat may differ from those collected by Rosinformugol. Blast furnace gas values since 2012 utilise a different methodology to that of prior years (where heat from other sources than blast furnace gas had been attributed to blast furnace gas). Some coal trade from partners of the Customs Union has been estimated by the IEA Secretariat and additionally removed from indigenous production where it may be reported in data of other organisations.

Oil

2015 data were estimated by the IEA Secretariat for refinery output and observed deliveries of jet kerosene, exports of fuel oil and gas-diesel, residential consumption of LPG, and all consumption flows of fuel oil.

Condensate data provided by Rosstat are published separately from Crude Oil under NGL.

Jet kerosene output is confidential and estimated based on historical refinery throughput growth rate. No information on Vacuum Gas Oil is available.

LPG refinery output may include output from gas separation plants.

Naphtha exports are reported by Rosstat from 2011, and are significantly lower than in secondary sources. As a consequence domestic consumption of naphtha calculated as residual in the Russian balance is likely to be overestimated.

Information on international marine bunker consumption is submitted from 2010 with high fluctuation in time series.

Jet kerosene consumption split between international and domestic aviation is unknown so consumption is equally split between the two flows.

Natural gas

In the 2017 edition, the Russian Federation revised natural gas data back to 2013.

From 2009, all data concerning LNG trade and LNG production have been estimated by the Secretariat.

Oil and gas extraction includes natural gas consumed by oil refineries.

Biofuels and waste

Charcoal data are reported with solid biofuels since 2010. The time series of charcoal is expected to be reported in the 2018 edition.

The geothermal input to main activity electricity plant was estimated by IEA Secretariat for 2013 and 2014.

Electricity and heat

The 2015 data for electricity and Heat show a substantial drop in heat production on autoproducer plants fuelled by natural gas. These figures have been confirmed by the Russian authorities.

The 2013 data for electricity and heat show a substantial drop in the efficiency of autoproducer heat plants fuelled by natural gas as well as a decrease in production and consumption of heat. These figures have been confirmed by the Russian authorities.

Heat from other sources is produced from recovered waste heat.

Sources

Sources 1990 to 2015:

- Direct communication with the Department of Foreign Statistics and International Cooperation from the Federal State Statistics Service (Rosstat), Moscow, Russian Federation.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- Energy trade: direct communication with the Federal State Statistics Service, July 1994.
- *Statistical Yearbook of Russia 1994*. The State Committee of Statistics, Moscow, 1994.
- The Russian Federation in 1992, *Statistical Yearbook*, The Federal State Statistics Service, Moscow, 1993.
- *Russian Federation External Trade*, annual and quarterly various editions, the Federal State Statistics Service, Moscow.
- *Statistical Bulletin*, various editions, The State Committee of Statistics of the CIS, Moscow, 1993, 1994.
- *Statistical Bulletin N° 3*, The Federal State Statistics Service, Moscow, 1992.
- *Fuel and Energy Balance of Russia 1990*, The Federal State Statistics Service, Moscow, 1991.
- *Energetika*, Energo-Atomisdat, Moscow, 1981 to 1987.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- The Federal State Statistics Service.
- IEA Secretariat estimates.

Saudi Arabia

General notes

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Data for crude oil production include 50 per cent of the output of the Neutral Zone, shared with Kuwait. Similarly, crude oil production includes 50% of the output of the Abu Safa field shared with Bahrain.

Natural gas consumption for oil and gas extraction may include quantities used in oil refineries.

New data became available in 2015 allowing the estimation of natural gas consumption as a feedstock in ammonia and methanol manufacture from 1990 to 2013. The remaining natural gas consumption has been allocated to the non-specified Industry sector. Breaks in time series may occur between 1989 and 1990 for this reason.

Electricity production from autoproducers includes generation by desalination plants since 1979.

Electricity end use specific to Agriculture/forestry was not reported for 2015-2016.

New Yasref refinery in Yanbu came online in 2015 with 400kbd refining capacity. Breaks in time series for oil industry consumption of oil products and diesel output from refineries may be observed between 2014-2015.

Sources

Sources 1992 to 2016:

- *Annual Reports*, Saudi ARAMCO, Dhahran, various editions up to 2016.
- *Annual Report*, Saudi Arabian Monetary Agency, Research and Statistics Department, Riyadh, various editions up to 2017.
- JODI- Oil World database, Joint Organisations Data Initiative (JODI), accessed April 2018: <https://www.jodidata.org/oil/>.
- *Statistical Yearbook of 2016*, General Authority for Statistics- Kingdom of Saudi Arabia, Issue Number: 52.
- *Annual Statistical Booklet*, Electricity and Co-generation Regulatory Authority, various editions up to 2016.
- *Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, various editions up to 2016.
- *Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2017.
- *Nitrogen statistics and information*, US Geological Survey, www.usgs.gov.
- Ministry of Petroleum and Mineral Resources, 2009.

- *Middle East Petroleum Databook*, FACTS Global Energy Group, Singapore, 2009 and 2010.
- *Electricity Growth and Development in the Kingdom of Saudi Arabia up to the year from 1416H. (1996G.), 1420 H (1999/2000G) and 1423/1424 H (2003G)*, Ministry of Industry and Electricity, Riyadh, 1997, 1998, 1999, 2004.
- *Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2017.
- Direct communication from the Central Department of Statistics of the Ministry of Planning and oil industry sources.
- *A Survey of the Saudi Arabian Oil Industry 1993*, Embassy of the United States of America in Riyadh, Riyadh, January 1994.
- IEA Secretariat estimates.

Sources up to 1991:

- *Annual Reports*, Saudi ARAMCO, various editions.
- *Petroleum Statistical Bulletin 1983*, Ministry of Petroleum and Mineral Resources, Riyadh, 1984.
- *Achievement of the Development Plans 1970-1984*, Ministry of Planning, Riyadh, 1985.
- *The 1st, 2nd, 3rd and 4th Development Plans*, Ministry of Planning, Riyadh, 1970, 1975, 1980 and 1985.
- *Annual Report*, Saudi Arabian Monetary Agency, Research and Statistics Department, Riyadh, 1984, 1985, 1986, 1988, 1989.
- *Statistical Summary*, Saudi Arabian Monetary Agency, Research and Statistics Department, Riyadh, 1986.

Sources for biofuels and waste:

- *Forestry Statistics*, FAO, Rome, 2000.
- IEA Secretariat estimates.

Senegal

General notes

In the 2018 edition, data for 2014 and 2015 are revised based on information sent from Senegal Ministère de l'Énergie et des Mines.

In the 2014 edition, the time series for solid biofuels were revised from 2009 based on newly available information. Breaks in time series may occur between 2008 and 2009.

Sources

Sources 2009 to 2016:

- Direct communication with Ministère de l'Énergie et des Mines, Dakar.
- *Bilans énergétiques du Sénégal 2009 to 2016*, Direction de l'Énergie, Dakar.
- IEA Secretariat estimates.

Sources 2008:

- *Bulletin mensuel des statistiques économiques*, Agence national de la Statistique et de la Démographie (ANSD), Dakar, March 2009.
- Direct communication with Ministère de l'Énergie, Dakar.

Sources 2000 to 2007:

- *Bilans énergétiques du Sénégal 2003, 2004, 2005, 2006*, Direction de l'Énergie, Dakar.
- IEA Secretariat estimates.

Sources 1992 to 1999:

- Direct communication with Ministère de l'Énergie, des Mines et de l'Industrie, Direction de l'Énergie, Dakar, 1997 to 2002.
- Direct communication with Ministère de l'Énergie, des Mines et de l'Hydraulique, Comité National des Hydrocarbures, Dakar, 2002.
- Direct communication from oil industry sources, Société Africaine de raffinage.
- Direct communication from electricity industry sources, SENELEC.
- *Report of Senegal on the Inventory of Greenhouse Gases Sources*, Ministère de l'Environnement et de la Protection de la Nature, Dakar, 1994.
- Direct communication to the IEA Secretariat from ENDA - Energy Program, Dakar, 1997.
- The UN Energy Statistics Database.

Sources up to 1991:

- *Situation Economique 1985*, Ministère de l'Économie et des Finances, Direction de la Statistique, Senegal, 1986.

Serbia

General notes

Data for Serbia are available starting in 1990. Prior to that, they are included in Former Yugoslavia.

Serbia energy data include Montenegro until 2004 and The United Nations Interim Administration Mission in Kosovo until 1999. Breaks in time series for oil products and natural gas may appear between 2006 and 2007 due to newly available data for 2007.

Sources

Sources 1990 to 2016:

- Direct communication with the Ministry of Mining and Energy, Belgrade.
- Direct communication with the Statistical Office of the Republic of Serbia, Belgrade.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- *Pilot study: Energy Balances (2007 and 2008) - Oil and Derivates of Oil, Natural Gas, Geothermal Energy and Energy Balance of the Republic of Serbia*, Statistical Office of the Republic of Serbia, Belgrade, 2009.
- Direct communication with the Federal Ministry of Economy, Belgrade.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaire on renewables (1990-2016).
- Direct communication with the Ministry of Mining and Energy, Belgrade.
- IEA Secretariat estimates.

Singapore

General notes

Singapore joined the IEA as an Association country in October 2016.

Some key oil products and flows are aggregated by Singapore, to avoid breach of confidentiality. Detailed breakdown is then estimated by the IEA Secretariat.

At the time of publication, refinery input and output figures for 2016 were not available and they have

been therefore estimated by IEA Secretariat. These values may differ significantly from actual figures published later in Singapore's official sources.

The IEA Secretariat, the Energy Market Authority and the National Climate Change Secretariat (NCCS) are working closely together on improving data quality for Singapore. Therefore, breaks in time series between 2008 and 2009 and differences in trends when compared to previous publications may occur for some products.

From 2009, Singapore publishes splits of refinery output between light, middle and heavy distillates and residuum only. Further breakdown between products is estimated by the IEA Secretariat. Singapore aggregates petrochemical and refinery consumption. The split between refining and petrochemical consumption is estimated by the IEA Secretariat.

Refinery input is broken down between crude oil and feedstocks. Splits of feedstock by product are not provided by Singapore. By default, IEA estimates that feedstocks come from naphtha, gas/diesel and fuel oil in equal proportions.

Other data remain aggregated due to lack of data availability. Electricity consumption in the industry sector from 2005 includes electricity consumption by refineries. Electricity consumption in transport includes all electricity consumption at airport terminals. Municipal waste production and consumption may include biogas.

Refinery gas production and consumption may include syngas produced by the petrochemical sector.

Due to Singapore's large trade volume in comparison to its final consumption, slight misalignment of trade figures can have a significant impact on the energy balance of Singapore. The IEA Secretariat has adjusted total imports of crude oil, gas/diesel and fuel oil from 2009 to match demand.

A coal-fired power plant started operations in 2013. This might lead to breaks in time series between 2012 and 2013.

Sources

Sources 1992 to 2016:

- Direct communication with the Energy Market Authority, Singapore.
- Direct communication with the National Climate Change Secretariat (NCCS), Singapore, from 2013.
- Direct communication with the Solar Energy Research Institute of Singapore, 2011.

- *Singapore Energy Statistics*, Energy Market Authority, Singapore, various editions up to 2017.
- *Monthly oil statistics*, IE Singapore, 2011-2016.
- *Yearbook of Statistics Singapore*, Department of Statistics, Singapore, various editions up to 2017.
- *Bunker sales*, website of The Maritime and Port Authority of Singapore: www.mpa.gov.sg.
- *Motor Vehicle Population by Type of Fuel Used*, website of the Land Transport Authority: www.lta.gov.sg.
- *Solid Waste Management Statistics*, website of The Ministry of the Environment and Water Resources: <http://app.mewr.gov.sg/>.
- *Singapore Trade Statistics*, International Enterprise Singapore, Singapore, various CD-ROM editions up to 2011.
- *Argus Fundamentals*, Argus Media, various editions up to 2012.
- *Asia Pacific Databook*, FACTS Global Energy, Singapore, various editions up to 2013.
- *The Strategist Oil Report*, Singapore, various issues up to March 1999.
- *Petroleum in Singapore 1993/1994*, Petroleum Intelligence Weekly, Singapore, 1994.
- AEMTRC, 1996.
- Direct submissions from oil industry sources up to 1996.
- *The UN Energy Statistics Database*.
- IEA Secretariat estimates.

Sources up to 1991:

- *Monthly Digest of Statistics*, Department of Statistics, Singapore, various editions from 1987 to 1989.
- *Yearbook of Statistics Singapore 1975/1985*, Department of Statistics, Singapore, 1986.
- *ASEAN Oil Movements and Factors Affecting Intra-ASEAN Oil Trade*, Institute of Southeast Asian Studies, Singapore, 1988.
- *The Changing Structure of the Oil Market and Its Implications for Singapore's Oil Industry*, Institute of Southeast Asian Studies, Singapore, 1988.
- *Public Utilities Board Annual Report (1986 and 1989)*, Public Utilities Board, Singapore, 1987 and 1990.

Sources for biofuels and waste:

- *Singapore Energy Statistics*, Energy Market Authority, Singapore, various editions up to 2017.

- The UN Energy Statistics Database.
- IEA Secretariat estimates.

South Africa

General notes

Coal

Outputs from gas-to-liquids and coal-to-liquids plants are presented in the “Transfers” flow.

New information became available in 2015 which allowed the separation of non-energy use of coal in Coal to Liquids (CTL) plants from the coal used for energy purposes in these same plants. Non-energy conversion efficiencies for CTL plants in South Africa are assumed to be 60%. This new methodology may lead to breaks in time series between 2010 and 2011 for these products and flows.

Breaks in time series may occur for anthracite and coking coal between 2009 and 2010 as new information became available. Prior to 2010, coking coal data may include anthracite.

Coking coal, coke oven coke, coke oven gas, gas works gas and blast furnace gas production and consumption have been estimated using reported crude steel production figures.

Oil

New information became available in 2015 on refinery output of lubricants. Data have been revised from 1998. This may lead to breaks in time series between 1997 and 1998. Reported quantities of synthetic fuels output may not include quantities from PetroSA.

Natural gas

Breaks in time series may occur for consumption of natural gas in industrial sectors between 2009 and 2010 as new information became available.

Sources

Sources 2010 to 2016:

- Direct communication with the Department of Energy, Pretoria, South Africa.
- *Energy statistics: Supply and demand of petroleum products*, Department of Energy, Pretoria, South Africa.

- *Statistical release on electricity generated and available for distribution*, Statistics South Africa, Pretoria.
- *South African Statistics*, Statistics South Africa, Pretoria, various editions up to 2017.
- JODI- Oil World database, Joint Organisations Data Initiative (JODI), accessed April 2018: <https://www.jodidata.org/oil/>.
- *Annual Reports*, South Africa Petroleum Industry Association (SAPIA), Sandton.
- *Integrated Annual Reports*, Electricity Supply Commission (ESKOM), South Africa.
- *Analyst Book*, SASOL Limited Group, Johannesburg, various editions up to 2016.
- *Integrated Annual Reports*, PetroSA, Parow, various editions up to 2016.
- *Steel statistical Yearbook*, World Steel Association, Brussel, accessed March 2018, <http://www.worldsteel.org/statistics/>
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- *Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, IEA Solar Heating & Cooling Programme, various editions up to 2018.
- IEA Secretariat estimates.

Sources 1992 to 2009:

- Energy balances submitted to the IEA Secretariat from the Department of Minerals and Energy, 2003 to 2009.
- *Electricity generated and available for distribution*, Statistics South Africa, Pretoria, various editions up to 2009.
- Direct submission from the Institute for Energy Studies, Rand Afrikaans University, Pretoria, 1998 to 2001.
- *Digest of South African Energy Statistics 1998*.
- Direct submissions from the Energy Research Institute, University of Cape Town.
- *ESKOM Annual Report*, Electricity Supply Commission (ESKOM), South Africa, 1992 to 1994.
- *Statistical Yearbook*, Electricity Supply Commission (ESKOM), South Africa, 1992 to 1994.
- *South Africa's Mineral Industry*, Department of Mineral and Energy Affairs, Braamfontein, 1995.
- *South African Energy Statistics, 1950-1993*, Department of Mineral and Energy Affairs, Pretoria, 1995.

- *Wholesale Trade Sales of Petroleum Products*, Central Statistical Service, Pretoria, 1995.
- *South African Coal Statistics 1994*, South African Coal Report, Randburg, 1995.
- *Energy Balances in South Africa 1970-1993*, Energy Research Institute, Plumstead, 1995.

Sources up to 1991:

- *ESKOM Annual Report*, Electricity Supply Commission (ESKOM), South Africa, 1989 to 1991.
- *Statistical Yearbook*, Electricity Supply Commission (ESKOM), South Africa, 1983 to 1991.
- *Statistical News Release 1981-1985*, Central Statistical Service, South Africa, various editions from 1986 to 1989.
- *Annual Report Energy Affairs 1985*, Department of Mineral and Energy Affairs, Pretoria, 1986.
- *Energy Projections for South Africa (1985 Balance)*, Institute for Energy Studies, Rand Afrikaans University, South Africa, 1986.

Sources for biofuels and waste:

- *South African Energy Statistics 1950-1989, No. 1*, National Energy Council, Pretoria, 1989.
- IEA Secretariat estimates.

South Sudan

General notes

In the 2018 edition, revisions in 2015 data are due to new information available through AFREC questionnaires.

Data for South Sudan are available from 2012. Prior to 2012, they are included in Sudan.

Crude oil production and exports were halted for most of 2012, and only continued in April 2013. Both production and exports have been estimated by the IEA Secretariat for 2014.

Sources

Sources 2012 to 2016:

- AFREC Energy questionnaire, African Energy Commission, 2015, 2016.
- IEA Secretariat estimates.

Former Soviet Union

General notes

Data for individual countries of the Former Soviet Union are available starting in 1990, and most of the information on 1990 and 1991 was estimated by the IEA Secretariat. Because of large breaks in reporting occurring in the early 1990's, breaks in time series may occur in 1990 for all regional totals.

Coal production statistics refer to unwashed and unscreened coal up to 1990. IEA coal statistics normally refer to coal after washing and screening for the removal of inorganic matter. Also, see notes under "Classification of Fuel Uses" and "Heat", in section on Notes on data quality.

The commodity balances presented for the Former Soviet Union include IEA Secretariat estimates of fuel consumption in the main categories of transformation. These estimates are based on secondary sources and on isolated references in FSU literature.

In older editions of this publication, intra-FSU trade was excluded.

Sources

Sources up to 1989:

- *Statistical Yearbook*, The State Committee for Statistics of the USSR, Moscow, various editions from 1980 to 1989.
- *External Trade of the Independent Republics and the Baltic States*, 1990 and 1991, the State Committee of Statistics of the CIS, Moscow, 1992.
- *External Trade of the USSR*, annual and quarterly, various editions, The State Committee of Statistics of the USSR, Moscow, 1986 to 1990.
- *CIR Staff Paper no. 14, 28, 29, 30, 32 and 36*, Center for International Research, US Bureau of the Census, Washington, 1986, 1987 and 1988.
- *Yearbook on Foreign Trade*, Ministry of Foreign Trade, Moscow, 1986.

Sri Lanka

General notes

Breaks in time series may occur between 1999 and 2000 due to newly available energy balances provided by the Sri Lanka Sustainable Energy Authority in 2009.

Stock change may include statistical difference for certain secondary oil products.

Refinery losses may include own use of refinery fuel.

Sources

Sources 1992 to 2016:

- Direct communication with the Sri Lanka Sustainable Energy Authority, Colombo.
- *Sri Lanka Energy Balances 2000-2016*, Sri Lanka Sustainable Energy Authority, Colombo.
- *Economic and Social Statistics of Sri Lanka 2011-2016*, Central Bank of Sri Lanka, Colombo.
- *Statistical Digest 2014*, Ceylon Electricity Board, Colombo.
- Direct communication with the Department of Census and Statistics, 2003 to 2006.
- *Annual Report 1993*, Central Bank of Sri Lanka, Colombo, July 1994.
- Direct communication with the Ceylon Electricity Board.
- *Sri Lanka Energy Balances, 1994*.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources up to 1991:

- *Energy Balance Sheet 1991, 1992*, Energy Unit, Ceylon Electricity Board, Colombo, 1992, 1993.
- *Bulletin 1989*, Central Bank of Sri Lanka, Colombo, July 1989.
- *Bulletin (monthly)*, Central Bank of Sri Lanka, Colombo, May 1992.
- *Sectoral Energy Demand in Sri Lanka*, UNDP Economic and Social Commission for Asia and the Pacific, Bangkok, 1992.
- *External Trade Statistics 1992*, Government of Sri Lanka, Colombo, 1993.

Sources for biofuels and waste:

- Energy Conservation Fund and Ceylon Electricity Board.
- IEA Secretariat estimates.

Sudan

General notes

South Sudan became an independent country on 9 July 2011. From 2012 data for South Sudan are reported

separately and therefore, breaks in the time series may occur between 2011 and 2012 for Sudan data.

The IEA Secretariat could not obtain data for 2014 or 2015 from Sudan. As a consequence, some data points for 2014 and 2015 have been estimated based on macroeconomic indicators.

In 2015, the Kosti power plant began operation in Sudan, with 500 MW capacity. The plant uses crude oil for fuel, and break in time series can be seen for crude oil imports and input into main activity power plants in 2015.

In 2016, new information on refinery activity became available. Breaks in time series for oil products can be seen between 2015 and 2016.

Sources

Sources 1992 to 2016:

- Direct communication with the Ministry of Petroleum, Khartoum.
- *Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2017.
- *Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, various editions up to 2016.
- *Sudanese Petroleum Corporation Statistics*, Ministry of Petroleum, Khartoum, May 2012.
- AFREC energy questionnaire, African Energy Commission, 2013.
- *Sudan Energy Handbook 2006*, Ministry of Energy and Mines, Khartoum.
- IEA Secretariat estimates.

Sources up to 1991:

- *Foreign Trade Statistical Digest 1990*, Government of Sudan, Khartoum, 1991.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1990 data from Bhagavan (ed.) *Energy Utilities and Institutions in Africa*, AFREPREN, Nairobi, 1996.

Suriname

General notes

The data are available from 2000 to 2016. Prior to 2000, data for Suriname are included in Other Non-OECD Americas.

Sources

Sources up to 2016:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed April 2018, <http://sier.olade.org/>.
- IEA Secretariat estimates

Syrian Arab Republic

General notes

Due to the on-going conflict in Syria, no official government data sources were available for 2012 to 2016. Data in this year's edition are primarily based on secondary sources, media reports and IEA Secretariat estimates.

Imports of crude oil and secondary oil products may include informal imports.

In this edition, refinery flows are revised from 2013 based on information from OPEC.

Sources

Sources 1992 to 2016:

- *Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2017.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- Direct Communication with the Ministry of Petroleum and Mineral Resources, 2012.
- *Statistical Abstract*, Office of the Prime Minister, Central Bureau of Statistics, Damascus, various editions up to 2011.
- *Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, various editions up to 2016.
- The UN Energy Statistics Database (until 2007).
- *Quarterly Bulletin*, Central Bank of Syria, Research Department, Damascus, 2001.
- IEA Secretariat estimates.

Sources up to 1991:

- *Quarterly Bulletin*, Central Bank of Syria, Research Department, Damascus, 1984.

Sources for biofuels and waste:

- *Forestry Statistics*, FAO, Rome, 2000.
- IEA Secretariat estimates.

Chinese Taipei

General notes

Data for the period 1982-2009 were revised in 2012 based on new balances submitted by the Bureau of Energy. Breaks in time series may occur between 1981 and 1982.

Breaks in time series may also occur between 2010 and 2011 as more detailed information became available for refinery feedstocks and oil products.

In 2018 data were revised for the period 2002-2015 based on new balances submitted by the Bureau of Energy and changes in methodology, breaks in time series might occur.

Sources**Sources 1982 to 2016:**

- *Energy Balances in Taiwan*, Bureau of Energy, Ministry of Economic Affairs, Taipei, various editions up to 2016.
- Direct communication with the electricity utilities.
- *Yearbook of Energy Statistics*, Ministry of Trade, Industry and Energy, Taipei, 1996.
- *The Energy Situation in Taiwan*, Ministry of Economic Affairs, Energy Committee, Taipei, 1986, 1987, 1988 and 1992.
- *Industry of Free China 1975-1985*, Council for Economic Planning and Development, Taipei, 1986.
- *Taiwan Statistical Data Book 1954-1985*, Council for Economic Planning and Development, Taipei, 1986.
- *Energy Policy for the Taiwan Area*, Ministry of Economic Affairs, Energy Committee, Taipei, 1984.
- IEA Secretariat estimates.

Sources up to 1981:

- *The Energy Situation in Taiwan*, Ministry of Economic Affairs, Energy Committee, Taipei, 1986, 1987, 1988 and 1992.

- *Industry of Free China 1975-1985*, Council for Economic Planning and Development, Taipei, 1986.
- *Taiwan Statistical Data Book 1954-1985*, Council for Economic Planning and Development, Taipei, 1986.
- *Energy Policy for the Taiwan Area*, Ministry of Economic Affairs, Energy Committee, Taipei, 1984.
- *Energy Balances in Taiwan*, Ministry of Economic Affairs, Taipei, 1980 to 1981.

Sources for biofuels and waste:

- Energy Balances in Taiwan, Bureau of Energy, Ministry of Economic Affairs, Taipei.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Tajikistan

General notes

Data for Tajikistan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Tajikistan is one of the 11 EU4Energy focus countries.

Breaks in time series occur between 2011 and 2012 and between 2013 and 2014, as new information became available in 2016 to the statistics office.

Data for 2015 has been revised this year to accommodate new information received from the statistics office.

Sources**Sources 2015 and 2016:**

- Direct communication with the Statistical Agency under President of the Republic of Tajikistan, Dushanbe.
- Joint IEA/Eurostat/UNECE annual energy questionnaires, 2016.
- IEA Secretariat estimates

Sources 1990 to 2014:

- Direct communication with the Statistical Agency under President of the Republic of Tajikistan, Dushanbe.
- Joint IEA/Eurostat/UNECE annual energy questionnaires, 1991 to 2007 and 2014.

- *Online statistics*, Statistical Agency under the President of the Republic of Tajikistan.
- *Tajikistan in Figures*, Statistical Agency under the President of Tajikistan, various editions up to 2014.
- *Energy and Communal Services in Kyrgyzstan and Tajikistan: A Poverty and Social Impact Assessment*, UNDP Bratislava Regional Centre 2011.
- *CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, various editions up to 2013.
- Asian Development Bank Statistics, various editions up to 2014.
- *Natural Gas Vehicles Statistics*, International Association for Natural Gas Vehicles, online database: www.iangv.org.
- *Industry of Tajikistan, Statistics*, the State Committee on Statistics of the Republic of Tajikistan, 2004.
- IEA Secretariat estimates.

Tanzania

General notes

Some of oil data (EWURA) are reported on a fiscal year basis. Data for 2016 correspond to 1 July 2016 – 30 June 2017.

Sources

Sources up to 2016:

- *Annual Report*, Bank of Tanzania, Dar es Salaam, various editions up to 2017.
- *EWURA Annual Report*, Energy and Water Utilities Regulatory Authority of the United Republic of Tanzania, Dar es Salaam, various editions up to 2017.
- *Annual Report*, Orca Exploration Group Inc., various editions up to 2017.
- *Tanzania in figures 2016*, Tanzania National Bureau of Statistics, 2016 edition.
- *The Economic Survey*, Tanzania National Bureau of Statistics, 2016 edition.
- *Statistical abstract*, Tanzania National Bureau of Statistics, various editions up to 2015.
- *The Economic Survey*, the Ministry of Finance, Dar Es Salaam, various editions up to 2015.

- *SAPP Annual Report 2008*, Southern African Power Pool, online statistics, 2010-2011.
- *The Economic Survey*, The President's Office – Planning and Privatization, Dar es Salaam, 2003-2007.
- Direct communication with the Ministry of Energy and Minerals and the electricity utility.
- *Tanzanian Economic Trends*, Economic Research Bureau, University of Dar es Salaam, 1991.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 2000 data provided by World Energy Council, London, 2003.

Thailand

General notes

Thailand joined the IEA as an Association country in November 2015.

Data for lubricants, refinery gas and non-specified oil products are not published by the Ministry of Energy and are estimated by the IEA Secretariat. Up to 2014, IEA Secretariat also estimated naphtha.

Data for production, own use and non-energy use of natural gas may include propane, butane and ethane produced in gas separation plants.

Stock changes may include statistical difference for certain products.

In the 2014 edition, new information became available for the consumption of anthracite and lignite coal in industry. Breaks in time series may occur between 2011 and 2012.

Sources

Sources 2012 to 2016:

- Direct communication with the Ministry of Energy, Thailand, Bangkok.
- Direct communication with the Petroleum Institute of Thailand, Bangkok.
- *Thailand Energy Statistics*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, Bangkok, various editions up to 2016.

- *Thailand Energy Balance Table*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, Bangkok, various editions up to 2016.
- *Thailand Alternative Energy Situation*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, Bangkok, various editions up to 2016.
- *Thailand Energy Efficiency Situation*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, Bangkok, various editions up to 2016.
- *Energy Statistics of Thailand*, Ministry of Energy, Energy Policy & Planning Office, Bangkok, various editions up to 2016.
- *Key Statistical Data*, Electricity Generation Authority of Thailand, online database: www.egat.co.th accessed March 2018.
- *Thailand's Petroleum & Petrochemical Statistics*, Petroleum Institute of Thailand, Bangkok, various editions up to 2016.
- IEA Secretariat estimates.

Sources 2002 to 2012:

- Direct communication with the Petroleum Institute of Thailand, Bangkok, 2008 to 2012.
- *Thailand Energy Situation*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, various editions up to 2012.
- *Key Statistical Data*, Electricity Generation Authority of Thailand, online database: www.egat.co.th.
- *Thailand Alternative Energy Situation*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, various editions up to 2012.
- *Electric Power in Thailand*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, various editions up to 2012.
- *Oil in Thailand*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, various editions up to 2012.
- IEA Secretariat estimates.

Sources up to 2001:

- *Electric Power in Thailand*, Ministry of Science, Technology and Energy, National Energy Administration, Bangkok, 1985, 1986, 1988 to 2001.
- *Oil in Thailand*, Ministry of Science, Technology and Energy, National Energy Administration, Bangkok, 1979 to 2001.

- *Thailand Energy Situation*, Ministry of Science, Technology and Energy, National Energy Administration, Bangkok, 1978 to 2001.

Sources for biofuels and waste:

- *Thailand Energy Situation*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, 2002 to 2010.
- *Thailand Alternative Energy Situation*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, 2009-2010.
- IEA Secretariat estimates.

Togo

General notes

The IEA Secretariat could not obtain data from 2013 to 2016 from Togo in time. As a consequence, data for these years have been estimated based on population growth for biomass and household consumption, and GDP growth for other products than hydro.

Official data were submitted by Togo in 2014 for the years 2009-2012. Breaks in time series between 2008 and 2009 or differences in trends compared to previous publications may occur for this reason.

Sources

Sources 1999 to 2016:

- Direct communication with Ministère de l'Équipement, des Mines, de l'Énergie et des Postes et Télécommunications, Lomé.
- *Bilans Énergétiques du Togo*, 1999 to 2012.
- Autorité de Réglementation du Secteur de l'Électricité (ARSE), 2015 and 2016.
- IEA Secretariat estimates.

Sources up to 1998:

- IEA Secretariat estimates.

Trinidad and Tobago

General notes

In the 2014 edition, natural gas time series from 2000 were revised based on newly available information on the definition of production of natural gas used by Trinidad and Tobago (gross versus marketed production).

Sources

Sources 1992 to 2016:

- Direct communication with the Ministry of Energy and Energy Affairs, Port of Spain.
- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed April 2018: <http://sier.olade.org/>.
- *Energy Industry Consolidated Monthly Bulletins*, Ministry of Energy and Energy Affairs, Government of the Republic of Trinidad and Tobago, Port of Spain, various editions up to 2016.
- *Downstream Gas Industry Annual Report*, Ministry of Energy and Energy Affairs, Government of the Republic of Trinidad and Tobago, Port of Spain, various editions up to 2015.
- *Annual Economic Survey*, Central Bank of Trinidad and Tobago, Port of Spain, 1995 to 2016.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2016.
- *The LNG Industry*, GIIGNL – International Group of Liquefied Natural Gas Importers, Paris, various editions up to 2014.
- *Petroleum Industry Monthly Bulletin*, Ministry of Energy and Natural Resources, Port of Spain, various issues up to 1999.

Sources up to 1991:

- *Annual Statistical Digest*, Central Statistical Office, Port of Spain, 1983, 1984.
- *History and Forecast*, Electricity Commission, Port of Spain, 1987.
- *Annual Report*, Ministry of Energy and Natural Resources, Port of Spain, 1985, 1986.
- *The National Energy Balances 1979-1983*, Ministry of Energy and Natural Resources, Port of Spain, 1984.
- *Trinidad and Tobago Electricity Commission Annual Report*, Trinidad and Tobago Electricity Commission, Port of Spain, 1984, 1985.

Sources for biofuels and waste:

- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed April 2018: <http://sier.olade.org/>.
- *Forestry Statistics*, FAO, Rome.

Tunisia

General notes

New information for lubricants and bitumen became available in 2015. Breaks in the time series may occur between 2009 and 2010 because of this.

A significant increase in crude oil production was reported for 2007 due to the start-up of several new development wells and the beginning of production of the Oudna field.

A shutdown of the Bizerte refinery occurred between March 2010 and June 2011, resulting in breaks in time series for crude oil and oil products for the years 2009 to 2011.

In 2009, new data on charcoal production became available. A break in time series for wood inputs and charcoal outputs can be observed between 2008 and 2009.

Revisions in heat data between 2013 and 2014 from the 2017 edition are based on a survey of autoproducers.

Sources

Sources 1992 to 2016:

- Direct communication with the Observatoire National de l'Énergie et des Mines, Ministère de l'Énergie, des Mines et des Énergies Renouvelables, Tunis.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- *Rapport Annuel 2011*, Société Tunisienne de l'Électricité et du Gaz, Tunis.
- Société Tunisienne des Industries de Raffinage, 2009 online statistics, 2008 to 2009.
- Statistiques d'Électricité du COMELEC, 2006, 2007, Comité Maghrébin de l'Électricité.

Sources up to 1991:

- *Bilan Énergétique de l'Année 1991*, Banque Centrale de Tunisie, Tunis, 1992.
- *Rapport d'Activité 1990*, Observatoire National de l'Énergie, Agence pour la Maîtrise de l'Énergie, Tunis, 1991.
- *Rapport Annuel 1990*, Banque Centrale de Tunisie, Tunis, 1991.

- *Activités du Secteur Pétrolier en Tunisie*, Banque Centrale de Tunisie, Tunis, 1987.
- *Statistiques Financières*, Banque Centrale de Tunisie, Tunis, 1986.
- *Entreprise Tunisienne d'Activités Pétrolières (ETAP)*, Tunis, 1987.
- *Annuaire Statistique de la Tunisie*, Institut National de la Statistique, Ministère du Plan, Tunis, 1985, 1986.
- *L'Economie de la Tunisie en Chiffres*, Institut National de la Statistique, Tunis, 1984, 1985.
- *Activités et Comptes de Gestion*, Société Tunisienne de l'Electricité et du Gaz, Tunis, 1987.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaire on renewables (2013-2016).
- Before 2013 : IEA Secretariat estimates based on 1991 data from *Analyse du Bilan de Bois d'Energie et Identification d'un Plan d'Action*, Ministry of Agriculture, Tunis, 1998.

Turkmenistan

General notes

Data for Turkmenistan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Turkmenistan is one of the 11 EU4Energy focus countries.

Very little data for Turkmenistan are currently available. Supply data are available from secondary sources and consumption is estimated. To indicate the lack of data, certain figures for 2015 and 2016 have deliberately been kept equal to the previous year's figures.

Sources

Sources 2016:

- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- *Forestry Statistics*, FAO, Rome, 2017.
- IEA Secretariat estimates.

Sources 2015:

- Turkmenistan Country Report, Turkmenenergo, 2016.

- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2016.
- *Forestry Statistics*, FAO, Rome, 2016.
- The UN Energy Statistics Database, 2015.
- IEA Secretariat estimates.
- Sources up to 2014: *CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, various editions up to 2015.
- Asian Development Bank online database.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2015.
- *Forestry Statistics*, FAO, Rome, various editions up to 2015.
- The UN Energy Statistics Database.
- Direct communication with the National Institute on Statistics and Forecasting of Turkmenistan, November 1999 and January 2001.
- IEA Secretariat estimates.

Ukraine

General notes

Data for Ukraine are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Ukraine is one of the 11 EU4Energy focus countries.

Due to limited information being available to the State Statistics Service of Ukraine from part of the Donetsk and Luhansk regions of Ukraine and from the Autonomous Republic of Crimea, breaks in the time series occur after 2013. New breaks appear in 2016, for example with diesel energy industry own use.

In 2016, power plants have been reclassified due to the implementation of more detailed survey forms.

The IEA Secretariat and State Statistics Service of Ukraine are working closely on the improvement of data quality, and in particular revision of historical data. Therefore, breaks in time series may occur between 2006 and 2007.

For the period 2007 to 2016 the transparency of data may be reduced because of confidentiality issues. For instance: peat includes lignite and patent fuel; other kerosene includes aviation fuels (aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel); other products include petroleum coke, and in 2016

aviation fuels and kerosene are included in other products.

Coal

IEA statistics refer to coal after washing and screening for the removal of inorganic matter. Official Ukrainian coal statistics refer to unwashed and un-screened coal prior to 1995.

Bituminous coal “From other sources” refers to coal mined in informal sector.

Due to a plant closure in 2008, a stock of lignite/peat became available, without details about its consumption. This may lead to breaks in time series and high statistical difference for 2008.

Quantities of other sub-bituminous coal reported under patent fuel transformation are used to make briquettes from dust and due to confidentiality and calorific value of this output, it is reported in peat products and not in patent fuel production. No information was available for 2016.

Oil

Large statistical differences exist for some oil products such as transport fuels and LPG. These are due to identified reporting issues in Ukraine. The State Statistics Service of Ukraine continues to work with data providers to resolve these issues.

Due to limited refinery information being available from 2015 onwards, refinery inputs have been estimated by the IEA Secretariat based on supply; discrepancies may appear in the refinery balance.

In 2016, refinery gas is reported in the transformation sector. A break in time series and statistical difference appears as more information on the supply side remains unavailable.

Quantities of other hydrocarbons reported until 2015 correspond to petroleum coke produced from coal tar. From 2016, this information is no longer available.

Natural gas

The data for the stock draw and statistical difference of natural gas in 2010 are a consequence of the accounting method chosen by the Ukrainian administration to reflect the ruling of the Stockholm Arbitration Tribunal of March 30, 2010.

Gas stocks include stocks supplied to the Autonomous republic of Crimea.

Due to the new annual survey form, there was re-classification between main activity producers and autoproducers in 2016.

Biofuels and waste

Charcoal production has included pyrolysis and calculated amounts of traditional production since 2008.

Electricity and heat

Statistical difference for electricity includes electricity supplied to the Autonomous Republic of Crimea and the Donetsk and Luhansk regions of Ukraine.

Information on electricity used for pumped hydro has been available since 2012.

Sources

Sources 2007 to 2016:

- Direct communication with the State Statistics Service of Ukraine, Kiev.
- Joint IEA/Eurostat/UNECE annual energy questionnaires.

Sources 1992 to 2006:

- Joint IEA/Eurostat/UNECE annual energy questionnaires.
- Direct communication with the Ministry of Statistics, the Coal Ministry, the National Dispatching Company, 1995.
- Coal: Direct communication with the State Mining University of Ukraine, 1995, 1996.
- Natural gas: direct communication with Ukgazprom, February 1995.
- Direct communication with the Ministry of Statistics of the Ukraine, July 1994.
- *Ukraine in 1992, Statistical Handbook*, Ministry of Statistics of the Ukraine, Kiev, 1993.
- *Ukraine Power Demand and Supply Options*, The World Bank, Washington, 1993.
- *Power Industry in Ukraine*, Ministry of Power and Electrification, Kiev, 1994.
- *Energy Issues Paper*, Ministry of Economy, March 1995.
- *Ukraine Energy Sector Statistical Review 1993, 1994, 1995, 1996, 1997*, The World Bank Regional Office, Kiev, 1994, 1995, 1996, 1997, 1998.

- *Global Energy Saving Strategy for Ukraine*, Commission of the European Communities, TACIS, Madrid, July 1995.
- IEA Secretariat estimates.

Sources 1990 to 1991:

- IEA Secretariat estimates.

Sources for biofuels and waste:

- Joint IEA/Eurostat/UNECE annual energy questionnaire on renewables (2007-2016).
- Before 2007: State Statistics Service of Ukraine, Kiev, The World Bank and IEA Secretariat estimates.

United Arab Emirates

General notes

In 2016, information on asphalt, lubricants, and other oil products were made available. Breaks in time series for these products can be seen between 2015 and 2016.

Sources for electricity data in 2016 show reclassification from other non-specified consumption to commercial and public services. A break in time series can be observed between 2015 and 2016.

In the 2018 edition, revisions in oil products supply and stocks can be observed since 2009 due to newly available data.

In 2015, time series for oil, gas, and coal data were revised according to data from Federal Competitiveness and Statistical Authority. Time series breaks can be observed in 2009 for coal, crude oil production and trade.

In 2015, Ruwais refining complex expansion was completed, significantly increasing refined oil product production and oil industry own use for refinery inputs.

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

In 2013, time series on electricity imports and exports were revised due to new information available on international trade at the interconnectors for the United Arab Emirates. This may lead to revisions to these time series from 2007.

Time series revisions in NGL production were advised by the Federal Competitiveness and Statistical Authority. Breaks in time series can be observed in 2011 for NGLs.

Sources

Sources 1993 to 2016:

- Direct communication with Federal Competitiveness and Statistics Authority, Dubai.
- Direct communication with United Arab Emirates Ministry of Energy, Dubai.
- *Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2017.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- *Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, various editions up to 2017.
- *Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2017.
- *Statistical Data for Electricity and Water 2015-2014*, United Arab Emirates Ministry of Energy, Dubai.
- *Statistical Report 1999-2016*, Abu Dhabi Water & Electric Company (ADWEC), Abu Dhabi, 2015.
- *Annual Report, Regulation & Supervision Bureau of Abu Dhabi*, Abu Dhabi, various editions up to 2012.
- *Statistical Yearbook 1995, 1996, 1998*, Department of Planning, Abu Dhabi, 1998, 2001.
- Direct communication with the National Bureau of Statistics of the United Arab Emirates, Abu Dhabi.
- Direct communication with the Ministry of Electricity and Water, Abu Dhabi, March 2001.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Sources up to 1992:

- Annual Report 1998, Ministry of Electricity & Water, Dubai.
- *Abu Dhabi National Oil Company, 1985 Annual Report*, Abu Dhabi National Oil Company, Abu Dhabi, 1986.
- *United Arab Emirates Statistical Review 1981*, Ministry of Petroleum and Mineral Resources, Abu Dhabi, 1982.

- *Annual Statistical Abstract*, Ministry of Planning, Central Statistical Department, Abu Dhabi, various editions from 1980 to 1993.

Sources for biofuels and waste:

- *Forestry Statistics*, FAO, Rome, 2001.
- IEA Secretariat estimates.
- *Initial National Communication to the United Nations Framework Convention on Climate Change*, Ministry of Energy, United Arab Emirates, 2006.

Uruguay

General notes

The pronounced growth in production of biofuels and waste from 2007 to 2010 results from the development of the pulp and paper industry.

The power produced from the Salto Grande hydro-electric plant, located on the Uruguay River between Concordia in Argentina and Salto in Uruguay is equally shared between the two countries. Exports include power produced in Salto Grande and exported to Argentina.

The refinery was shut down for maintenance in 1993-1994. This explains the low refinery output observed in 1993 and the absence of output in 1994.

Sources

Sources 1990 to 2016:

- Direct communication with Dirección Nacional de Energía, Ministerio de Industria, Energía y Minería, Montevideo.
- *Balance Energético Nacional*, Ministerio de Industria, Energía y Minería, Dirección Nacional de Energía, Montevideo, 1971 to 2016.
- *Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Quito, accessed Mar 2018: <http://sier.olade.org/>.
- IEA Secretariat estimates.

Uzbekistan

General notes

Data for Uzbekistan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Uzbekistan is one of the 11 EU4Energy focus countries.

Very little data for Uzbekistan are currently available. Supply data are available from secondary sources and consumption is estimated. To indicate the lack of data certain figures for 2015 and 2016 have deliberately been kept equal to 2014.

Due to new data from the State Committee of the Republic of Uzbekistan on Heat, breaks in time series may occur in 2008.

Sources

Sources 2016

- Publications of State Committee of the Republic of Uzbekistan on Statistics.
- Asian Development Bank online database.
- Cedigaz online database.
- OMR estimation of oil production for 2016 and 2017.
- IEA Secretariat estimates.

Sources 2015:

- Asian Development Bank online database.
- Cedigaz online database.
- IEA Secretariat estimates.

Sources 1990 to 2014:

- Asian Development Bank online database.
- *CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, various editions up to 2014.
- Direct communication with the Interstate Statistical Committee of the Commonwealth of Independent States.
- Direct communications to the IEA Secretariat from the Institute of Power Engineering and Automation, Academy of Sciences of Uzbekistan 1994, 1996, 1998 to 2003.
- Joint IEA/Eurostat/UNECE annual energy questionnaires, 1995 to 1997.
- IEA Secretariat estimates.

Venezuela

General notes

In 2015, new information on the production and consumption of refinery gas since 2007 became available. For this reason, breaks in time series may occur between 2006 and 2007.

Data for crude oil production are obtained from Petróleos de Venezuela S.A. (PDVSA) with an estimate of lease condensate removed. Crude oil production data are comparable to data reported by the Organization of the Petroleum Exporting Countries (OPEC) and the Organización Latino Americana de Energia (OLADE); however, some other sources of information report lower crude oil production, noting other components may be included in the crude oil production data reported in the above sources.

Lease condensate quantities are included in NGL from 2000. This may lead to breaks in time series between 1999 and 2000.

Revised data for the years 2005-2011 were provided by OLADE for Venezuela. These revisions may lead to breaks in time series between 2004 and 2005 and differences in trends in comparison to previous editions.

Sources

Sources up to 2016:

- Energy-Economic Information System (SIEE), Latin American Energy Organization (OLADE), Quito, accessed April 2018: <http://sier.olade.org/>.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- *Petróleos de Venezuela S.A. (PDVSA)* various editions up to 2016 Annual Report, Petróleos de Venezuela, Caracas.
- *Estadísticas consolidadas*, Cámara Venezolana de la Industria Eléctrica, 1996 to 2007.
- *Oficina de operación de sistemas interconectados Venezuela*, 2008.
- *Petróleo y Otros Datos Estadísticos*, Dirección General Sectorial de Hidrocarburos, Caracas, 1983 to 1991, 1993 to 2004, 2007 to 2008.
- *Balance Energético de Venezuela*, Dirección de Planificación Energética, Ministerio de Energía y Minas, Caracas, 1971 to 2005.
- *Transformando la energía en desarrollo social*, CVG EDELCA Informe Anual 2006.
- *Compendio Estadístico del Sector Eléctrico*, Ministerio de Energía y Minas, Dirección de Electricidad, Carbón y Otras Energías, Caracas, 1984, 1989, 1990, 1991.
- *Memoria y Cuenta*, Ministerio de Energía y Minas, Caracas, 1991.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- The UN Energy Statistics Database.
- IEA Secretariat estimates.

Viet Nam

General notes

Data for stock changes may contain statistical differences for some energy products.

Sources

Sources 1992 to 2016:

- Direct communication with the Institute of Energy and the Ministry of Industry and Trade, Hanoi.
- *Vietnam Energy Balance Tables*, General Directorate of Energy, Ministry of Industry and Trade, Hanoi, various editions up to 2016.
- *Statistical Yearbook of Vietnam & Statistical Handbook*, General Statistics Office of Vietnam (GSO), Hanoi, various editions up to 2015.
- *Yearbook*, Vietnam Energy (Năng Lượng Việt Nam), Hanoi, 2012.
- *Annual Report 2006*, Petrovietnam, Vietnam National Oil and Gas Group.
- Direct communication with the Center for Energy-Environment Research and Development, Pathumthami, 1997 to 1999.
- *Sectoral Energy Demand in Vietnam*, UNDP Economic and Social Commission for Asia and the Pacific, Bangkok, 1992.
- *Energy Commodity Account of Vietnam 1992*, Asian Development Bank, Manila, 1994.
- *World Economic Problems (20)*, National Centre for Social Sciences of the S.R. Vietnam, Institute of World Economy, Hanoi, 1993.
- *Vietnam Energy Review*, Institute of Energy, Hanoi, 1995, 1997, 1998.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1992 data from *Vietnam Rural and Household Energy Issues and Options: Report No. 161/94*, The World Bank, ESMAP, Washington, D.C., 1994.

Yemen

General notes

Oil and gas pipeline sabotage was reported in 2012 due to unrest in Yemen. Breaks in time series between 2011 and 2012 as well as between 2012 and 2013 may be observed because of this.

Oil and gas activity was halted in 2015 due to military conflict, affecting oil and oil products data from 2015-2016. In 2016, no exports occurred.

Some revisions to 2014 oil data are due to receipt of Ministry of Planning reports.

In the 2018 edition, revisions to electricity inputs and consumption from 2014-2015 are based on IEA Secretariat estimates.

Sources

Sources 2011 to 2016:

- Direct communication with the Ministry of Planning and International Cooperation, Sana'a.
- Direct communication with Aden Refinery, Aden.
- *Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, various editions up to 2016.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.
- *Renewable energy statistics 2018*, International Renewable Energy Agency (IRENA).
- *Statistical Yearbook*, Central Statistical Organization, Sana'a, various editions up to 2013.
- *Petroleum Subsidies in Yemen*, IFPRI, 2011.
- IEA Secretariat estimates.

Sources 1991 to 2010:

- Yemen Petroleum Company, online statistics, 2010.
- *Oil & Gas in Figures 2001 – 2007*, Ministry of Oil & Minerals, Statistics Technical Committee, Yemen, 2008.
- *Oil, Gas and Minerals Statistics*, Annual Bulletin 2001, 2002, 2003, 2004, 2005 and 2006, Ministry of Oil & Minerals, Statistics Technical Committee, Yemen, 2001 to 2007.
- Household Budget Survey 2005/2006, Central Statistical Organization, Sana'a.

- Direct communications with the Yemen General Oil and Gas Corporation, the Public Electricity Corporation, and the National Information Center, Sana'a, 2001.
- *Statistical Indicators in the Electricity Sector*, Ministry of Planning and Development, Central Statistical Organization, Yemen, 1993.
- IEA Secretariat estimates.

Sources up to 1991:

- *Statistical Yearbook*, Government of Yemen Arab Republic, Yemen, 1988.

Sources for biofuels and waste:

- The UN Energy Statistics Database.
- Forestry Statistics, FAO, Rome, 2000.
- IEA Secretariat estimates.

Former Yugoslavia

General notes

Data for individual countries of the Former Yugoslavia are available starting in 1990, and most of the information on 1990 and 1991 was estimated by the IEA Secretariat. Because of large breaks in reporting which occurred in the early 1990's, breaks in time series may occur in 1990 for all regional totals.

Sources

Sources up to 1989:

- *Statisticki Godisnjak Jugoslavije*, Socijalisticka Federativna Republika Jugoslavija, Savezni Zavod Za Statistiku, Beograd, 1985 to 1991.
- Indeks, Socijalisticka Federativna Republika Jugoslavija, Beograd, 1990, 1991, 1992.

Zambia

General notes

In August 2016, a coal thermal power plant with an installed capacity of 300 MW was commissioned in Maamba, Sinazongwe District.

Crude oil imports reported by Zambia's Energy Regulation Board include petroleum feedstocks comprised of crude oil, naphtha, condensate, and gasoil.

A fire damaged the sole oil refinery (Indeni) in Zambia in 2000. Therefore, breaks in time series may occur between 1999 and 2000, as well as between 2000 and 2001.

In 2015, information on refinery yields was obtained and applied to the refinery production from 2001. Therefore, breaks in time series may occur between 2000 and 2001.

Sources

Sources 1971 to 2016:

- *Statistical Bulletin*. Energy Regulation Board, Lusaka, 2016.
- *Energy Sector Report*. Energy Regulation Board, Lusaka, various editions up to 2016.
- *Petroleum Industry Statistics*, Energy Regulation Board, Lusaka. Various editions up to 2016.
- *Institutional Framework and Storage and Transportation Infrastructure of the Zambian Petroleum Supply Chain (DRAFT)*, Government of the Republic of Zambia, 2007.
- *Economic Report 2003*, Ministry of Finance, Lusaka.
- *Energy Statistics Bulletin 1980-1999*, Department of Energy, Lusaka, 2000.
- AFREPREN, 2002.
- *Annual Statistical Yearbook 1993, 1994, 1995 (Consumption in Zambia 1978-1983)*, Eskom, Lusaka, 1984.
- IEA Secretariat estimates.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

Zimbabwe

General notes

A new mining company was commissioned in 2011, leading to a rapid increase in coal production. Due to limited availability of coal consumption data, the IEA Secretariat has estimated coal stocks for Zimbabwe. Breaks in time series may occur between 2013 and 2014 because of this.

More detailed data on energy consumption is available from the Census of Industrial Production (ZimStat) since 2009. Breaks in time series may occur between 2008 and 2009 because of this.

More detailed data on road fuel imports is available since 2011. Breaks in time series may occur between 2010 and 2011 because of this.

Sources

Sources 2006 to 2016:

- Direct communication with the Ministry of Energy and Power Development, Harare.
- *Census of Industrial Production (CIP)*, Zimbabwe National Statistics Agency (ZimStat), Harare, Various editions up to 2016.
- Direct communication with the Zimbabwe National Statistical Agency (ZimStat), Harare.
- *Annual Report*, Zimbabwe Power Company (ZPC), Harare, various editions from 2010 up to 2012.
- IEA Secretariat estimates.

Sources 1996 to 2005:

- Direct communication with the Ministry of Energy and Power Development.
- Direct communication with the Zimbabwe Electricity Supply Authority (ZESA), 2003, 2005, 2006.
- *African Economic Outlook 2004*, OECD, Paris, 2004.
- Direct communication with the Department of Energy Resources and Development, February 2002, AFREPREN, 2002.
- Direct communication with the Ministry of Environment and Tourism, Harare, 1999, 2000.
- Direct communication with the electricity utility.
- *Electricity Statistics Information*, Central Statistical Office, Causeway, February 1998.
- IEA Secretariat estimates.

Sources 1992 to 1995:

- *Eskom Annual Statistical Yearbook 1993, 1994, 1995*, Johannesburg, 1994, 1995, 1996, citing Zimbabwe Electricity Supply Authority, Harare as source.
- The UN Energy Statistics Database.

Sources up to 1991:

- *Zimbabwe Statistical Yearbook 1986*, Central Statistical Office, Harare, 1990.
- *Quarterly Digest of Statistics*, Central Statistical Office, Harare, 1990.
- *Zimbabwe Electricity Supply Authority Annual Report*, Zimbabwe Electricity Supply Authority, Harare, 1986 to 1991.

Sources for biofuels and waste:

- IEA Secretariat estimates based on 1991 data from *Forests and Biomass* Sub-sector in Africa, African Energy Programme of the African Development Bank, Abidjan, 1996.

Other Africa**General notes**

Time series for this region are obtained by summing data corresponding to individual countries (see lists in section I.5, Geographical coverage). As a consequence, intra-regional trade is included as part of total trade. Therefore, trade is likely to be overstated.

The UN Statistics Division database is the main data source for the countries not listed individually and included in the region. At the time when this edition was prepared only 2015 data were available. As a consequence, all data points for 2016 have been estimated based on developments in population and GDP in the region.

In 2015 data for bagasse use in the transformation sector in autoproducer electricity plants, main activity producer CHP plants and autoproducer CHP plants became available for the years 2011-2013. This may lead to breaks in time series between 2010 and 2011.

Since 2015 edition, data for Niger are no longer included in Other Africa for the period 2000-2015. This may lead to breaks in time series between 1999 and 2000.

Sources**Sources up to 2016:**

- The UN Energy Statistics Database.
- *Natural Gas in the World*, Cedigaz, Paris, various editions up to 2017.

- *The LNG Industry*, International Group of Liquefied Natural Gas Importers (GIIGNL), Levallois, various editions up to 2016.
- *International Monetary Fund Country Reports* on Chad, various editions up to 2016.
- *Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2017.
- IEA Secretariat estimates.

Other non-OECD Asia**General notes**

Time series for this region are obtained by summing data corresponding to individual countries (see lists in section I.5, Geographical coverage). As a consequence, intra-regional trade is included as part of total trade. Therefore, trade is likely to be overstated.

The UN Statistics Division database is the main data source for the countries not listed individually and included in the region. At the time when this edition was prepared only 2015 data were available. As a consequence, all data points for 2016 have been estimated based on developments in population and GDP in the region. In the 2018 edition only 2015 data were uploaded.

The opening of a new LNG terminal in Papua New Guinea in 2014 may lead to breaks in time series for Natural Gas supply data.

Sources**Sources up to 2016:**

- The UN Energy Statistics Database.
- *The LNG Industry*, International Group of Liquefied Natural Gas Importers (GIIGNL), Levallois, various editions up to 2016.
- IEA Secretariat estimates.

Other non-OECD Americas**General notes**

Time series for this region are obtained by summing data corresponding to individual countries (see lists in section I.5, Geographical coverage). As a consequence, intra-regional trade is included as part of total trade. Therefore, trade is likely to be overstated.

The UN Statistics Division database is the main data source for the countries not listed individually and included in the region. At the time when this edition was prepared only 2015 data were available. As a consequence, all data points for 2016 have been estimated based on developments in population and GDP in the region.

The refinery in Aruba was shut down in September 2012. This may lead to breaks in time series for the period 2011-2013.

Energy data for Bonaire, Saba, Saint Eustratius and Sint Maarten are included in Other non-OECD Americas since 2012.

Data for Suriname are no longer included in Other non-OECD Americas from 2000 on. This may lead to breaks in time series between 1999 and 2000.

Sources

Sources up to 2016:

- Annual Statistical Digest of the Central Bank of Aruba.
- The economy of Curacao and Sint Maarten in Data and Charts Yearly Overview.
- The UN Energy Statistics Database.
- IEA Secretariat estimates.

PART III

SUMMARY TIME SERIES

Production of coking coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	560 947	599 538	478 155	677 876	939 076	1 087 535	1 040 059	1 039 888
Non-OECD Total	..	250 844	317 001	243 220	429 012	645 802	785 416	750 535	733 493
OECD Total	..	310 103	282 537	234 935	248 864	293 274	302 119	289 524	306 395
Canada	..	14 151	27 660	28 164	30 796	28 153	27 341	25 016	26 860
Chile	..	-	-	-	-	-	-	-	-
Mexico	..	3 089	2 963	2 214	3 520	4 022	3 113	4 399	4 566
United States	..	117 716	93 259	54 287	46 444	68 645	57 521	50 136	65 427
OECD Americas	..	134 956	123 882	84 665	80 760	100 820	87 975	79 551	96 853
Australia	..	40 086	64 631	103 750	128 358	162 929	191 056	189 302	190 000
Israel ¹	..	-	-	-	-	-	-	-	-
Japan	..	6 943	-	-	-	-	-	-	-
Korea	..	-	-	-	-	-	-	-	-
New Zealand	..	173	578	1 310	2 446	2 341	1 333	1 171	1 173
OECD Asia Oceania	..	47 202	65 209	105 060	130 804	165 270	192 389	190 473	191 173
Austria	..	-	-	-	-	-	-	-	-
Belgium	..	4 036	-	-	-	-	-	-	-
Czech Republic	..	17 403	14 383	8 136	7 136	6 023	4 088	3 384	2 913
Denmark	..	-	-	-	-	-	-	-	-
Estonia	..	-	-	-	-	-	-	-	-
Finland	..	-	-	-	-	-	-	-	-
France	..	4 114	1 821	-	-	-	-	-	-
Germany	..	56 036	44 577	18 862	15 171	8 145	3 843	2 164	2 362
Greece	..	-	-	-	-	-	-	-	-
Hungary	..	883	169	-	-	-	-	-	-
Iceland	..	-	-	-	-	-	-	-	-
Ireland	..	-	-	-	-	-	-	-	-
Italy	..	-	-	-	-	-	-	-	-
Latvia	..	-	-	-	-	-	-	-	-
Luxembourg	..	-	-	-	-	-	-	-	-
Netherlands	..	-	-	-	-	-	-	-	-
Norway	..	160	-	-	-	-	-	-	-
Poland	..	31 495	28 793	17 222	14 071	11 658	12 985	13 204	12 380
Portugal	..	-	-	-	-	-	-	-	-
Slovak Republic	..	-	-	-	-	-	-	-	-
Slovenia	..	-	-	-	-	-	-	-	-
Spain	..	1 333	279	-	-	-	-	-	-
Sweden	..	-	-	-	-	-	-	-	-
Switzerland	..	-	-	-	-	-	-	-	-
Turkey	..	2 435	1 824	735	648	1 088	767	695	675
United Kingdom	..	10 050	1 600	255	274	270	72	53	39
OECD Europe	..	127 945	93 446	45 210	37 300	27 184	21 755	19 500	18 369
<i>IEA</i>	..	310 103	282 537	234 935	248 864	293 274	302 119	289 524	306 395
<i>IEA/Accession/Association</i>	..	397 925	404 810	381 767	582 528	825 145	950 410	897 017	888 733
<i>European Union - 28</i>	93 104	44 488	36 652	26 096	20 988	18 805	17 694
<i>G7</i>	..	209 010	168 917	101 568	92 685	105 213	88 777	77 369	94 688
<i>G8</i>	254 375	152 603	148 190	172 097	171 646	161 133	180 640
<i>G20</i>	500 480	434 709	637 227	892 485	1 035 194	983 352	977 928
<i>OPEC</i>	..	845	760	931	930	984	909	909	909

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of coking coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	250 844	317 001	243 220	429 012	645 802	785 416	750 535	733 493
Albania	..	-	-	-	-	-	-	-	-
Armenia	-	-	-	-	-	-	-
Azerbaijan	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-
Bosnia and Herzegovina	-	-	-	-	-	-	-
Bulgaria	..	-	-	-	-	-	-	-	-
Croatia	-	-	-	-	-	-	-
Cyprus ¹	-	-	-	-	-	-	-
FYR of Macedonia	-	-	-	-	-	-	-
Georgia	574	-	-	-	-	-	-
Gibraltar	..	-	-	-	-	-	-	-	-
Kazakhstan	29 983	10 687	10 981	11 906	17 020	15 468	15 468
Kosovo	-	-	-	-	-	-
Kyrgyzstan	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-
Malta	..	-	-	-	-	-	-	-	-
Moldova	-	-	-	-	-	-	-
Montenegro	-	-	-	-	-
Romania	..	1 828	1 482	13	-	-	-	-	-
Russian Federation	85 458	51 035	55 505	66 884	82 869	83 764	85 952
Serbia	-	-	-	-	-	-	-
Tajikistan	-	-	-	-	-	-	-
Turkmenistan	-	-	-	-	-	-	-
Ukraine	62 283	27 844	23 166	17 688	10 611	10 495	5 236
Uzbekistan	-	-	-	-	-	-	-
Former Soviet Union	..	143 534	x	x	x	x	x	x	x
Former Yugoslavia	..	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	145 362	179 780	89 579	89 652	96 478	110 500	109 727	106 656
Algeria	..	3	-	-	-	-	-	-	-
Angola	..	-	-	-	-	-	-	-	-
Benin	..	-	-	-	-	-	-	-	-
Botswana	-	-	-	-	-	-	-
Cameroon	..	-	-	-	-	-	-	-	-
Congo	..	-	-	-	-	-	-	-	-
Côte d'Ivoire	..	-	-	-	-	-	-	-	-
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	-
Egypt	..	-	-	-	-	-	-	-	-
Eritrea	-	-	-	-	-	-
Ethiopia	..	-	-	-	-	-	-	-	-
Gabon	..	-	-	-	-	-	-	-	-
Ghana	..	-	-	-	-	-	-	-	-
Kenya	..	-	-	-	-	-	-	-	-
Libya	..	-	-	-	-	-	-	-	-
Mauritius	..	-	-	-	-	-	-	-	-
Morocco	..	-	-	-	-	-	-	-	-
Mozambique	..	-	-	-	-	-	4 787	3 863	6 953
Namibia	-	-	-	-	-	-
Niger	-	-	-	-	-	-
Nigeria	..	-	-	-	-	-	-	-	-
Senegal	..	-	-	-	-	-	-	-	-
South Africa	..	10 605	9 308	3 204	1 640	2 797	3 248	3 742	4 416
South Sudan	-	-	-
Sudan	..	-	-	-	-	-	-	-	-
Tanzania	..	-	1	-	-	-	-	-	-
Togo	..	-	-	-	-	-	-	-	-
Tunisia	..	-	-	-	-	-	-	-	-
Zambia	..	-	-	-	-	-	-	-	-
Zimbabwe	..	991	612	856	692	370	450	451	466
Other Africa	..	-	-	-	-	-	-	-	-
Africa	..	11 599	9 921	4 060	2 332	3 167	8 485	8 056	11 835

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of coking coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	-	-	-
Brunei Darussalam	..	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-
DPR of Korea	..	3 836	2 543	-	-	-	-	-	-
India	..	18 055	36 088	22 088	23 584	41 432	53 014	57 136	40 920
Indonesia	..	-	29	616	1 222	1 947	2 230	3 340	1 840
Malaysia	..	-	-	-	-	-	-	-	-
Mongolia	-	-	983	9 465	12 613	19 998	25 773
Myanmar	..	-	-	-	-	-	-	-	-
Nepal	..	-	-	-	-	-	-	-	-
Pakistan	..	-	-	-	-	-	-	-	-
Philippines	..	-	-	-	-	-	-	-	-
Singapore	..	-	-	-	-	-	-	-	-
Sri Lanka	..	-	-	-	-	-	-	-	-
Chinese Taipei	..	-	3	-	-	-	-	-	-
Thailand	..	-	-	-	-	-	-	-	-
Viet Nam	..	-	-	-	-	-	-	-	-
Other Non-OECD Asia	..	-	-	-	-	-	-	-	-
Non-OECD Asia excl. China	..	21 891	38 663	22 704	25 789	52 844	67 857	80 474	68 533
People's Republic of China	..	68 222	85 657	124 113	308 648	488 492	593 047	547 017	539 578
Hong Kong, China	..	-	-	-	-	-	-	-	-
China	..	68 222	85 657	124 113	308 648	488 492	593 047	547 017	539 578
Argentina	..	-	-	-	-	-	-	-	-
Bolivia	..	-	-	-	-	-	-	-	-
Brazil	..	1 545	499	15	210	-	-	-	-
Colombia	..	1 383	1 721	1 818	1 451	3 837	4 618	4 352	5 982
Costa Rica	..	-	-	-	-	-	-	-	-
Cuba	..	-	-	-	-	-	-	-	-
Curaçao ¹	..	-	-	-	-	-	-	-	-
Dominican Republic	..	-	-	-	-	-	-	-	-
Ecuador	..	-	-	-	-	-	-	-	-
El Salvador	..	-	-	-	-	-	-	-	-
Guatemala	..	-	-	-	-	-	-	-	-
Haiti	..	-	-	-	-	-	-	-	-
Honduras	..	-	-	-	-	-	-	-	-
Jamaica	..	-	-	-	-	-	-	-	-
Nicaragua	..	-	-	-	-	-	-	-	-
Panama	..	-	-	-	-	-	-	-	-
Paraguay	..	-	-	-	-	-	-	-	-
Peru	..	-	-	-	-	-	-	-	-
Suriname	-	-	-	-	-	-
Trinidad and Tobago	..	-	-	-	-	-	-	-	-
Uruguay	..	-	-	-	-	-	-	-	-
Venezuela	..	-	-	-	-	-	-	-	-
Other Non-OECD Americas	..	-	-	-	-	-	-	-	-
Non-OECD Americas	..	2 928	2 220	1 833	1 661	3 837	4 618	4 352	5 982
Bahrain	..	-	-	-	-	-	-	-	-
Islamic Republic of Iran	..	842	760	931	930	984	909	909	909
Iraq	..	-	-	-	-	-	-	-	-
Jordan	..	-	-	-	-	-	-	-	-
Kuwait	..	-	-	-	-	-	-	-	-
Lebanon	..	-	-	-	-	-	-	-	-
Oman	..	-	-	-	-	-	-	-	-
Qatar	..	-	-	-	-	-	-	-	-
Saudi Arabia	..	-	-	-	-	-	-	-	-
Syrian Arab Republic	..	-	-	-	-	-	-	-	-
United Arab Emirates	..	-	-	-	-	-	-	-	-
Yemen	..	-	-	-	-	-	-	-	-
Middle East	..	842	760	931	930	984	909	909	909

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of other bituminous coal and anthracite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	2 088 955	2 636 796	2 827 581	3 883 842	4 863 552	5 053 240	4 755 292	4 935 578
Non-OECD Total	..	1 213 213	1 707 191	2 069 349	3 129 062	4 185 217	4 421 536	4 208 549	4 383 338
OECD Total	..	875 742	929 605	758 232	754 780	678 335	631 704	546 743	552 240
Canada	..	6 022	10 013	5 641	2 473	5 550	2 485	2 745	2 563
Chile	..	1 125	2 183	366	544	619	3 143	2 525	2 495
Mexico	..	-	-	-	14	35	73	38	39
United States	..	452 212	538 783	468 463	485 378	389 022	310 663	244 720	254 984
OECD Americas	..	459 359	550 979	474 470	488 409	395 226	316 364	250 028	260 081
Australia	..	24 693	77 161	112 417	126 917	175 210	233 257	223 898	226 877
Israel ¹	..	-	-	-	-	-	-	-	-
Japan	..	11 084	7 985	2 964	1 249	1 145	1 265	1 288	1 322
Korea	..	18 625	17 217	8 300	2 832	2 084	1 764	1 726	1 486
New Zealand	..	284	85	386	98	256	66	34	39
OECD Asia Oceania	..	54 686	102 448	124 067	131 096	178 695	236 352	226 946	229 724
Austria	..	-	-	-	-	-	-	-	-
Belgium	..	2 300	1 036	-	-	16	15	14	16
Czech Republic	..	10 318	8 032	6 719	6 118	5 570	4 338	3 631	2 790
Denmark	..	-	-	-	-	-	-	-	-
Estonia	..	-	-	-	-	-	-	-	-
Finland	..	-	-	-	-	-	-	-	-
France	..	16 076	9 378	3 804	617	261	-	-	-
Germany	..	38 456	31 976	18 514	12 847	5 963	2 806	1 914	1 474
Greece	..	-	-	-	-	-	-	-	-
Hungary	..	-	-	-	-	-	-	-	-
Iceland	..	-	-	-	-	-	-	-	-
Ireland	..	60	25	-	-	-	-	-	-
Italy	..	-	58	-	95	101	81	-	-
Latvia	..	-	-	-	-	-	-	-	-
Luxembourg	..	-	-	-	-	-	-	-	-
Netherlands	..	-	-	-	-	-	-	-	-
Norway	..	128	303	632	1 471	1 935	1 106	818	131
Poland	..	161 626	118 943	86 109	83 833	65 070	59 701	57 579	53 504
Portugal	..	-	-	-	-	-	-	-	-
Slovak Republic	..	-	-	-	-	-	-	-	-
Slovenia	..	-	-	-	-	-	-	-	-
Spain	..	11 505	14 333	11 317	8 548	5 986	1 747	1 070	944
Sweden	..	18	11	-	-	-	-	-	-
Switzerland	..	-	-	-	-	-	-	-	-
Turkey	..	1 163	921	1 657	1 522	1 436	668	618	574
United Kingdom	..	120 047	91 162	30 943	20 224	18 076	8 526	4 125	3 002
OECD Europe	..	361 697	276 178	159 695	135 275	104 414	78 988	69 769	62 435
<i>IEA</i>	..	874 617	927 422	757 866	754 236	677 716	628 561	544 218	549 745
<i>IEA/Accession/Association</i>	..	1 521 650	2 064 660	2 318 774	3 240 200	4 165 358	4 325 009	4 006 784	4 170 480
<i>European Union - 28</i>	278 217	157 792	132 291	101 088	77 265	68 385	61 771
<i>G7</i>	..	643 897	689 355	530 329	522 883	420 118	325 826	254 792	263 345
<i>G8</i>	841 411	631 832	676 591	575 811	520 990	463 890	489 017
<i>G20</i>	2 382 650	2 640 503	3 635 163	4 570 076	4 768 120	4 464 147	4 646 242
<i>OPEC</i>	..	301	2 354	8 105	7 829	2 873	1 063	1 001	1 001

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of other bituminous coal and anthracite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	1 213 213	1 707 191	2 069 349	3 129 062	4 185 217	4 421 536	4 208 549	4 383 338
Albania	..	-	-	-	-	-	99	6	84
Armenia	-	-	-	-	-	-	-
Azerbaijan	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-
Bosnia and Herzegovina	-	-	-	-	-	-	-
Bulgaria	..	267	143	118	9	45	51	52	41
Croatia	156	-	-	-	-	-	-
Cyprus ¹	-	-	-	-	-	-	-
FYR of Macedonia	-	-	-	-	-	-	-
Georgia	-	-	-	-	-	-	-
Gibraltar	-	-	-	-	-	-	-
Kazakhstan	98 017	64 199	71 807	91 740	84 773	81 856	84 758
Kosovo	-	-	-	-	-	-
Kyrgyzstan	1 495	104	43	75	345	248	248
Lithuania	-	-	-	-	-	-	-
Malta	-	-	-	-	-	-	-
Moldova	-	-	-	-	-	-	-
Montenegro
Romania	..	6 232	2 964	268	-	-	-	-	-
Russian Federation	152 056	101 503	153 708	155 693	195 164	209 098	225 672
Serbia	137	88	-	-	-	-	-
Tajikistan	475	9	84	172	985	1 311	1 707
Turkmenistan	-	-	-	-	-	-	-
Ukraine	81 200	33 757	36 873	39 971	24 347	29 367	23 324
Uzbekistan	200	69	73	65	367	360	376
Former Soviet Union	..	409 466	x	x	x	x	x	x	x
Former Yugoslavia	..	388	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	416 353	336 843	200 115	262 597	287 761	306 131	322 298	336 210
Algeria	..	-	-	-	-	-	-	-	-
Angola	..	-	-	-	-	-	-	-	-
Benin	..	-	-	-	-	-	-	-	-
Botswana	794	947	985	988	2 085	1 877	2 222
Cameroon	..	-	-	-	-	-	-	-	-
Congo	..	-	-	-	-	-	-	-	-
Côte d'Ivoire	..	-	-	-	-	-	-	-	-
Dem. Rep. of the Congo	..	138	126	-	-	-	-	-	-
Egypt	..	-	-	58	25	-	-	-	-
Eritrea	-	-	-	-	-	-
Ethiopia	..	-	-	-	-	36	-	-	-
Gabon	..	-	-	-	-	-	-	-	-
Ghana	..	-	-	-	-	-	-	-	-
Kenya	..	-	-	-	-	-	-	-	-
Libya	..	-	-	-	-	-	-	-	-
Mauritius	..	-	-	-	-	-	-	-	-
Morocco	..	680	526	31	12	-	-	-	-
Mozambique	..	207	40	16	3	38	1 814	2 203	4 307
Namibia	-	-	-	-	-	-
Niger	-	-	-	-	-	-
Nigeria	..	176	90	3	8	38	47	46	46
Senegal	..	-	-	-	-	-	-	-	-
South Africa	..	104 515	165 492	220 996	243 346	251 725	252 177	251 567	252 691
South Sudan
Sudan	..	-	-	-	-	-	-	-	-
Tanzania	..	1	3	79	31	-	257	276	563
Togo	..	-	-	-	-	-	-	-	-
Tunisia	..	-	-	-	-	-	-	-	-
Zambia	..	570	377	196	150	1	164	328	328
Zimbabwe	..	1 777	4 733	3 628	2 929	2 500	3 886	1 185	2 462
Other Africa	..	567	314	427	496	543	196	200	200
Africa	..	108 631	172 495	226 381	247 985	255 869	260 626	257 682	262 819

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of other bituminous coal and anthracite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	178	705	676	1 022	1 161
Brunei Darussalam	..	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-
DPR of Korea	..	30 270	33 150	22 500	26 864	18 838	24 960	28 305	16 138
India	..	92 945	175 096	289 340	383 455	491 262	586 216	609 314	641 419
Indonesia	..	152	5 132	40 254	92 958	168 028	136 869	129 436	140 242
Malaysia	..	-	111	384	788	2 397	2 559	2 259	2 885
Mongolia	595	70	2 192	10 025	3 882	5 496	15 589
Myanmar	..	11	40	468	484	646	697	317	317
Nepal	..	-	-	17	12	15	19	21	21
Pakistan	..	1 098	1 922	2 166	2 861	2 350	3 389	3 584	3 232
Philippines	..	-	-	-	-	-	-	-	-
Singapore	..	-	-	-	-	-	-	-	-
Sri Lanka	..	-	-	-	-	-	-	-	-
Chinese Taipei	..	2 574	469	83	-	-	-	-	-
Thailand	..	-	-	-	-	-	-	-	-
Viet Nam	..	5 200	4 638	11 609	33 771	44 835	41 484	38 527	40 382
Other Non-OECD Asia	..	511	108	243	420	1 252	1 585	1 608	1 608
Non-OECD Asia excl. China	..	132 761	221 261	367 134	543 983	740 353	802 336	819 889	862 994
People's Republic of China	..	551 928	954 163	1 230 773	2 008 677	2 827 609	2 970 118	2 721 190	2 836 480
Hong Kong, China	..	-	-	-	-	-	-	-	-
China	..	551 928	954 163	1 230 773	2 008 677	2 827 609	2 970 118	2 721 190	2 836 480
Argentina	..	390	276	259	25	65	34	23	23
Bolivia	..	-	-	-	-	-	-	-	-
Brazil	..	203	138	144	318	124	102	101	99
Colombia	..	2 781	19 654	36 424	57 613	70 513	80 930	86 160	83 457
Costa Rica	..	-	-	-	-	-	-	-	-
Cuba	..	-	-	-	-	-	-	-	-
Curaçao ¹	..	-	-	-	-	-	-	-	-
Dominican Republic	..	-	-	-	-	-	-	-	-
Ecuador	..	-	-	-	-	-	-	-	-
El Salvador	..	-	-	-	-	-	-	-	-
Guatemala	..	-	-	-	-	-	-	-	-
Haiti	..	-	-	-	-	-	-	-	-
Honduras	..	-	-	-	-	-	-	-	-
Jamaica	..	-	-	-	-	-	-	-	-
Nicaragua	..	-	-	-	-	-	-	-	-
Panama	..	-	-	-	-	-	-	-	-
Paraguay	..	-	-	-	-	-	-	-	-
Peru	..	41	97	17	43	88	243	251	301
Suriname	-	-	-	-	-	-
Trinidad and Tobago	..	-	-	-	-	-	-	-	-
Uruguay	..	-	-	-	-	-	-	-	-
Venezuela	..	42	2 189	7 885	7 195	2 730	830	749	749
Other Non-OECD Americas	..	-	-	-	-	-	-	-	-
Non-OECD Americas	..	3 457	22 354	44 729	65 194	73 520	82 139	87 284	84 629
Bahrain	..	-	-	-	-	-	-	-	-
Islamic Republic of Iran	..	83	75	217	626	105	186	206	206
Iraq	..	-	-	-	-	-	-	-	-
Jordan	..	-	-	-	-	-	-	-	-
Kuwait	..	-	-	-	-	-	-	-	-
Lebanon	..	-	-	-	-	-	-	-	-
Oman	..	-	-	-	-	-	-	-	-
Qatar	..	-	-	-	-	-	-	-	-
Saudi Arabia	..	-	-	-	-	-	-	-	-
Syrian Arab Republic	..	-	-	-	-	-	-	-	-
United Arab Emirates	..	-	-	-	-	-	-	-	-
Yemen	..	-	-	-	-	-	-	-	-
Middle East	..	83	75	217	626	105	186	206	206

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of sub-bituminous coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	180 897	291 022	488 519	612 076	710 129	766 485	708 148	742 278
Non-OECD Total	..	12 845	18 755	55 160	94 925	176 932	329 958	348 091	363 085
OECD Total	..	168 052	272 267	433 359	517 151	533 197	436 527	360 057	379 193
Canada	..	10 544	21 252	24 168	25 742	23 927	22 300	23 608	22 694
Chile	..	-	-	-	-	-	-	-	-
Mexico	..	-	3 970	9 130	9 189	10 550	7 053	7 654	6 751
United States	..	140 250	221 605	371 222	430 618	467 470	380 577	299 591	318 292
OECD Americas	..	150 794	246 827	404 520	465 549	501 947	409 930	330 853	347 737
Australia	..	6 831	16 780	23 262	44 782	25 190	22 757	25 670	26 918
Israel ¹	..	-	-	-	-	-	-	-	-
Japan	..	-	-	-	-	-	-	-	-
Korea	..	-	-	-	-	-	-	-	-
New Zealand	..	1 473	1 756	1 550	2 477	2 439	1 666	1 352	1 410
OECD Asia Oceania	..	8 304	18 536	24 812	47 259	27 629	24 423	27 022	28 328
Austria	..	-	-	-	-	-	-	-	-
Belgium	..	1 682	1 321	375	109	-	-	-	-
Czech Republic	..	-	-	-	-	-	-	-	-
Denmark	..	-	-	-	-	-	-	-	-
Estonia	..	-	-	-	-	-	-	-	-
Finland	..	-	-	-	-	-	-	-	-
France	..	-	-	-	-	-	-	-	-
Germany	..	-	-	-	-	-	-	-	-
Greece	..	-	-	-	-	-	-	-	-
Hungary	..	2 498	329	-	-	-	-	-	-
Iceland	..	-	-	-	-	-	-	-	-
Ireland	..	-	-	-	-	-	-	-	-
Italy	..	-	-	-	-	-	-	-	-
Latvia	..	-	-	-	-	-	-	-	-
Luxembourg	..	-	-	-	-	-	-	-	-
Netherlands	..	-	-	-	-	-	-	-	-
Norway	..	-	-	-	-	-	-	-	-
Poland	..	-	-	-	-	-	-	-	-
Portugal	..	177	281	-	-	-	-	-	-
Slovak Republic	..	-	-	-	-	-	-	-	-
Slovenia	..	-	-	-	-	-	-	-	-
Spain	..	4 039	4 697	3 630	3 346	2 444	1 317	730	1 833
Sweden	..	-	-	-	-	-	-	-	-
Switzerland	..	-	-	-	-	-	-	-	-
Turkey	..	558	276	22	888	1 177	857	1 452	1 295
United Kingdom	..	-	-	-	-	-	-	-	-
OECD Europe	..	8 954	6 904	4 027	4 343	3 621	2 174	2 182	3 128
<i>IEA</i>	..	168 052	272 267	433 359	517 151	533 197	436 527	360 057	379 193
<i>IEA/Accession/Association</i>	..	170 571	279 133	475 783	596 736	691 418	756 567	694 182	727 945
<i>European Union - 28</i>	6 628	4 005	3 487	2 448	1 327	730	1 833
<i>G7</i>	..	150 794	242 857	395 390	456 360	491 397	402 877	323 199	340 986
<i>G8</i>	242 857	395 390	456 360	491 397	402 877	323 199	340 986
<i>G20</i>	277 377	474 233	594 291	688 983	754 911	692 830	726 535
<i>OPEC</i>	..	-	-	-	-	-	-	-	-

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of sub-bituminous coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	12 845	18 755	55 160	94 925	176 932	329 958	348 091	363 085
Albania	..	-	-	-	-	-	-	-	-
Armenia	-	-	-	-	-	-	-
Azerbaijan	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-
Bosnia and Herzegovina	-	4 038	4 643	5 367	-	-	-
Bulgaria	..	-	-	-	-	-	-	-	-
Croatia	-	-	-	-	-	-	-
Cyprus ¹	-	-	-	-	-	-	-
FYR of Macedonia	-	-	-	-	-	-	-
Georgia	-	-	-	-	-	-	-
Gibraltar	..	-	-	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-	-
Kosovo	-	-	-	-	-	-
Kyrgyzstan	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-
Malta	..	-	-	-	-	-	-	-	-
Moldova	-	-	-	-	-	-	-
Montenegro	-	-	-	-	-	-
Romania	..	-	-	-	32	4	10	-	-
Russian Federation	-	-	-	-	-	-	-
Serbia	-	88	24	-	-	-	-
Tajikistan	-	13	15	28	-	-	-
Turkmenistan	-	-	-	-	-	-	-
Ukraine	-	-	-	-	-	-	-
Uzbekistan	-	-	-	-	-	-	-
Former Soviet Union	..	-	x	x	x	x	x	x	x
Former Yugoslavia	..	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	-	-	4 139	4 714	5 399	10	-	-
Algeria	..	-	-	-	-	-	-	-	-
Angola	..	-	-	-	-	-	-	-	-
Benin	..	-	-	-	-	-	-	-	-
Botswana	-	-	-	-	-	-	-
Cameroon	..	-	-	-	-	-	-	-	-
Congo	..	-	-	-	-	-	-	-	-
Côte d'Ivoire	..	-	-	-	-	-	-	-	-
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	-
Egypt	..	-	-	-	-	-	-	-	-
Eritrea	-	-	-	-	-	-
Ethiopia	..	-	-	-	-	-	-	-	-
Gabon	..	-	-	-	-	-	-	-	-
Ghana	..	-	-	-	-	-	-	-	-
Kenya	..	-	-	-	-	-	-	-	-
Libya	..	-	-	-	-	-	-	-	-
Mauritius	..	-	-	-	-	-	-	-	-
Morocco	..	-	-	-	-	-	-	-	-
Mozambique	..	-	-	-	-	-	-	-	-
Namibia	-	-	-	-	-	-
Niger	-	-	-	-	-	-
Nigeria	..	-	-	-	-	-	-	-	-
Senegal	..	-	-	-	-	-	-	-	-
South Africa	..	-	-	-	-	-	-	-	-
South Sudan	-	-	-
Sudan	..	-	-	-	-	-	-	-	-
Tanzania	..	-	-	-	-	-	-	-	-
Togo	..	-	-	-	-	-	-	-	-
Tunisia	..	-	-	-	-	-	-	-	-
Zambia	..	-	-	-	-	-	-	-	-
Zimbabwe	..	-	-	-	-	-	-	-	-
Other Africa	..	-	-	-	-	-	-	-	-
Africa	..	-	-	-	-	-	-	-	-

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of sub-bituminous coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	-	-	-
Brunei Darussalam	..	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-
DPR of Korea	..	10 000	10 660	7 243	7 746	6 662	2 530	2 755	2 755
India	..	-	-	-	-	-	-	-	-
Indonesia	..	152	5 069	38 507	76 361	155 025	315 673	330 701	345 525
Malaysia	..	-	-	-	-	-	-	-	-
Mongolia	-	-	-	-	-	-	-
Myanmar	..	-	-	-	-	-	-	-	-
Nepal	..	-	-	-	-	-	-	-	-
Pakistan	..	-	-	-	-	-	-	-	-
Philippines	..	326	1 229	1 354	2 880	6 650	7 378	11 211	11 578
Singapore	..	-	-	-	-	-	-	-	-
Sri Lanka	..	-	-	-	-	-	-	-	-
Chinese Taipei	..	-	-	-	-	-	-	-	-
Thailand	..	-	-	-	-	-	-	-	-
Viet Nam	..	-	-	-	-	-	-	-	-
Other Non-OECD Asia	..	-	-	-	-	-	-	-	-
Non-OECD Asia excl. China	..	10 478	16 958	47 104	86 987	168 337	325 581	344 667	359 858
People's Republic of China
Hong Kong, China	..	-	-	-	-	-	-	-	-
China	..	-	-	-	-	-	-	-	-
Argentina	..	-	-	-	-	-	-	-	-
Bolivia	..	-	-	-	-	-	-	-	-
Brazil	..	2 367	1 797	3 917	3 224	3 196	4 367	3 424	3 227
Colombia	..	-	-	-	-	-	-	-	-
Costa Rica	..	-	-	-	-	-	-	-	-
Cuba	..	-	-	-	-	-	-	-	-
Curaçao ¹	..	-	-	-	-	-	-	-	-
Dominican Republic	..	-	-	-	-	-	-	-	-
Ecuador	..	-	-	-	-	-	-	-	-
El Salvador	..	-	-	-	-	-	-	-	-
Guatemala	..	-	-	-	-	-	-	-	-
Haiti	..	-	-	-	-	-	-	-	-
Honduras	..	-	-	-	-	-	-	-	-
Jamaica	..	-	-	-	-	-	-	-	-
Nicaragua	..	-	-	-	-	-	-	-	-
Panama	..	-	-	-	-	-	-	-	-
Paraguay	..	-	-	-	-	-	-	-	-
Peru	..	-	-	-	-	-	-	-	-
Suriname
Trinidad and Tobago	..	-	-	-	-	-	-	-	-
Uruguay	..	-	-	-	-	-	-	-	-
Venezuela	..	-	-	-	-	-	-	-	-
Other Non-OECD Americas	..	-	-	-	-	-	-	-	-
Non-OECD Americas	..	2 367	1 797	3 917	3 224	3 196	4 367	3 424	3 227
Bahrain	..	-	-	-	-	-	-	-	-
Islamic Republic of Iran	..	-	-	-	-	-	-	-	-
Iraq	..	-	-	-	-	-	-	-	-
Jordan	..	-	-	-	-	-	-	-	-
Kuwait	..	-	-	-	-	-	-	-	-
Lebanon	..	-	-	-	-	-	-	-	-
Oman	..	-	-	-	-	-	-	-	-
Qatar	..	-	-	-	-	-	-	-	-
Saudi Arabia	..	-	-	-	-	-	-	-	-
Syrian Arab Republic	..	-	-	-	-	-	-	-	-
United Arab Emirates	..	-	-	-	-	-	-	-	-
Yemen	..	-	-	-	-	-	-	-	-
Middle East	..	-	-	-	-	-	-	-	-

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of lignite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	956 462	1 117 581	844 150	848 577	841 403	823 726	820 695	831 062
Non-OECD Total	..	274 628	331 982	253 368	252 675	274 804	286 381	294 548	303 864
OECD Total	..	681 834	785 599	590 782	595 902	566 599	537 345	526 147	527 198
Canada	..	5 971	9 407	11 190	11 017	10 264	10 259	9 962	9 247
Chile	..	40	-	-	-	-	-	-	-
Mexico	..	-	-	-	752	697	438	476	420
United States	..	42 783	79 914	77 619	76 151	70 970	64 929	66 313	63 565
OECD Americas	..	48 794	89 321	88 809	87 920	81 931	75 626	76 751	73 232
Australia	..	32 894	45 990	67 293	70 533	72 547	65 361	61 473	57 261
Israel ¹	..	-	-	-	-	-	-	-	-
Japan	..	27	-	-	-	-	-	-	-
Korea	..	-	-	-	-	-	-	-	-
New Zealand	..	208	159	213	246	295	324	313	319
OECD Asia Oceania	..	33 129	46 149	67 506	70 779	72 842	65 685	61 786	57 580
Austria	..	2 865	2 448	1 249	-	-	-	-	-
Belgium	..	-	-	-	-	-	-	-	-
Czech Republic	..	89 086	78 983	50 307	48 772	43 774	38 105	38 528	39 310
Denmark	..	-	-	-	-	-	-	-	-
Estonia	..	-	-	-	-	-	-	-	-
Finland	..	-	-	-	-	-	-	-	-
France	..	2 560	2 333	296	-	-	-	-	-
Germany	..	389 726	357 468	167 691	177 907	169 403	178 065	171 547	171 286
Greece	..	23 198	51 896	63 887	69 398	56 520	46 246	32 638	37 383
Hungary	..	22 644	17 332	14 033	9 570	9 113	9 261	9 216	7 954
Iceland	..	-	-	-	-	-	-	-	-
Ireland	..	-	-	-	-	-	-	-	-
Italy	..	1 286	956	14	-	-	-	-	-
Latvia	..	-	-	-	-	-	-	-	-
Luxembourg	..	-	-	-	-	-	-	-	-
Netherlands	..	-	-	-	-	-	-	-	-
Norway	..	-	-	-	-	-	-	-	-
Poland	..	36 866	67 584	59 484	61 636	56 510	63 128	60 246	61 161
Portugal	..	-	-	-	-	-	-	-	-
Slovak Republic	..	5 796	4 766	3 648	2 511	2 378	1 939	1 847	1 836
Slovenia	..	-	5 583	4 480	4 540	4 430	3 168	3 349	3 356
Spain	..	11 415	16 373	8 524	7 587	-	-	-	-
Sweden	..	-	-	-	-	-	-	-	-
Switzerland	..	-	-	-	-	-	-	-	-
Turkey	..	14 469	44 407	60 854	55 282	69 698	56 122	70 239	74 100
United Kingdom	..	-	-	-	-	-	-	-	-
OECD Europe	..	599 911	650 129	434 467	437 203	411 826	396 034	387 610	396 386
<i>IEA</i>	..	681 794	780 016	586 302	591 362	562 169	534 177	522 798	523 842
<i>IEA/Accession/Association</i>	..	689 596	808 672	630 987	644 971	620 341	596 730	588 487	589 066
<i>European Union - 28</i>	671 009	428 931	437 681	402 630	401 254	371 582	382 237
<i>G7</i>	..	442 353	450 078	256 810	265 075	250 637	253 253	247 822	244 098
<i>G8</i>	584 463	344 596	338 743	326 758	326 882	321 307	319 714
<i>G20</i>	1 001 347	760 650	757 815	742 755	719 394	702 240	711 390
<i>OPEC</i>	..	-	-	-	-	-	-	-	-

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of lignite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	274 628	331 982	253 368	252 675	274 804	286 381	294 548	303 864
Albania	..	1 420	2 071	30	45	10	-	-	55
Armenia	-	-	-	-	-	-	-
Azerbaijan	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-
Bosnia and Herzegovina	19 670	3 401	4 476	5 618	12 173	13 644	14 029
Bulgaria	..	29 946	31 532	26 314	24 686	29 379	35 859	31 231	34 276
Croatia	18	-	-	-	-	-	-
Cyprus ¹	-	-	-	-	-	-	-
FYR of Macedonia	6 644	7 516	6 881	6 724	5 937	5 152	5 043
Georgia	529	7	5	105	306	297	272
Gibraltar	-	-	-	-	-	-	-
Kazakhstan	3 443	2 558	4 409	7 283	5 526	5 750	5 739
Kosovo	4 989	6 554	8 649	8 241	8 801	7 575
Kyrgyzstan	2 140	321	292	500	1 584	1 603	1 603
Lithuania	-	-	-	-	-	-	-
Malta	-	-	-	-	-	-	-
Moldova	-	-	-	-	-	-	-
Montenegro	1 297	1 938	1 773	1 398	1 475
Romania	..	27 104	33 737	29 004	31 074	31 123	25 483	22 980	25 675
Russian Federation	134 385	87 786	73 668	76 121	73 629	73 485	75 616
Serbia	45 800	36 918	35 076	37 976	37 826	38 440	39 759
Tajikistan	450	-	-	-	57	50	53
Turkmenistan	-	-	-	-	-	-	-
Ukraine ²	9 280	802	355	-	-	-	-
Uzbekistan	6 200	2 501	3 003	3 565	3 989	3 989	3 624
Former Soviet Union	..	163 000	x	x	x	x	x	x	x
Former Yugoslavia	..	40 913	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	262 383	295 899	202 147	191 821	208 991	212 383	206 820	214 794
Algeria	..	-	-	-	-	-	-	-	-
Angola	..	-	-	-	-	-	-	-	-
Benin	..	-	-	-	-	-	-	-	-
Botswana	-	-	-	-	-	-	-
Cameroon	..	-	-	-	-	-	-	-	-
Congo	..	-	-	-	-	-	-	-	-
Côte d'Ivoire	..	-	-	-	-	-	-	-	-
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	-
Egypt	..	-	-	-	-	-	-	-	-
Eritrea	-	-	-	-	-	-
Ethiopia	..	-	-	-	-	-	-	-	-
Gabon	..	-	-	-	-	-	-	-	-
Ghana	..	-	-	-	-	-	-	-	-
Kenya	..	-	-	-	-	-	-	-	-
Libya	..	-	-	-	-	-	-	-	-
Mauritius	..	-	-	-	-	-	-	-	-
Morocco	..	-	-	-	-	-	-	-	-
Mozambique	..	-	-	-	-	-	-	-	-
Namibia	-	-	-	-	-	-
Niger	158	182	275	226	247	247
Nigeria	..	-	-	-	-	-	-	-	-
Senegal	..	-	-	-	-	-	-	-	-
South Africa	..	-	-	-	-	-	-	-	-
South Sudan	-	-	-
Sudan	..	-	-	-	-	-	-	-	-
Tanzania	..	-	-	-	-	-	-	-	-
Togo	..	-	-	-	-	-	-	-	-
Tunisia	..	-	-	-	-	-	-	-	-
Zambia	..	-	-	-	-	-	-	-	-
Zimbabwe	..	-	-	-	-	-	-	-	-
Other Africa	..	-	-	-	-	-	-	-	-
Africa	..	-	-	158	182	275	226	247	247

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

2. Peat includes lignite starting from 2007. See confidentiality issue in section 'Country notes and sources'.

Production of lignite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	-	-	-
Brunei Darussalam	..	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-
DPR of Korea	..	-	-	-	-	-	-	-	-
India	..	5 110	14 074	24 247	30 228	37 733	43 842	45 230	47 452
Indonesia	..	-	-	-	-	-	-	-	-
Malaysia	..	-	-	-	-	-	-	-	-
Mongolia	6 562	5 115	4 341	5 723	5 755	6 672	6 783
Myanmar	..	27	38	112	70	40	54	233	233
Nepal	..	-	-	-	-	-	-	-	-
Pakistan	..	471	824	928	2 010	1 101	752	504	1 209
Philippines	..	-	3	3	-	-	-	-	-
Singapore	..	-	-	-	-	-	-	-	-
Sri Lanka	..	-	-	-	-	-	-	-	-
Chinese Taipei	..	-	-	-	-	-	-	-	-
Thailand	..	1 525	12 421	17 708	20 878	18 344	15 151	16 979	16 280
Viet Nam	..	-	-	-	322	-	-	-	-
Other Non-OECD Asia	..	3 985	-	220	320	502	4 658	14 383	15 374
Non-OECD Asia excl. China	..	11 118	33 922	48 333	58 169	63 443	70 212	84 001	87 331
People's Republic of China
Hong Kong, China	..	-	-	-	-	-	-	-	-
China	..	-	-	-	-	-	-	-	-
Argentina	..	-	-	-	-	-	-	-	-
Bolivia	..	-	-	-	-	-	-	-	-
Brazil	..	1 127	2 161	2 730	2 503	2 095	3 560	3 480	1 492
Colombia	..	-	-	-	-	-	-	-	-
Costa Rica	..	-	-	-	-	-	-	-	-
Cuba	..	-	-	-	-	-	-	-	-
Curaçao ¹	..	-	-	-	-	-	-	-	-
Dominican Republic	..	-	-	-	-	-	-	-	-
Ecuador	..	-	-	-	-	-	-	-	-
El Salvador	..	-	-	-	-	-	-	-	-
Guatemala	..	-	-	-	-	-	-	-	-
Haiti	..	-	-	-	-	-	-	-	-
Honduras	..	-	-	-	-	-	-	-	-
Jamaica	..	-	-	-	-	-	-	-	-
Nicaragua	..	-	-	-	-	-	-	-	-
Panama	..	-	-	-	-	-	-	-	-
Paraguay	..	-	-	-	-	-	-	-	-
Peru	..	-	-	-	-	-	-	-	-
Suriname
Trinidad and Tobago	..	-	-	-	-	-	-	-	-
Uruguay	..	-	-	-	-	-	-	-	-
Venezuela	..	-	-	-	-	-	-	-	-
Other Non-OECD Americas	..	-	-	-	-	-	-	-	-
Non-OECD Americas	..	1 127	2 161	2 730	2 503	2 095	3 560	3 480	1 492
Bahrain	..	-	-	-	-	-	-	-	-
Islamic Republic of Iran	..	-	-	-	-	-	-	-	-
Iraq	..	-	-	-	-	-	-	-	-
Jordan	..	-	-	-	-	-	-	-	-
Kuwait	..	-	-	-	-	-	-	-	-
Lebanon	..	-	-	-	-	-	-	-	-
Oman	..	-	-	-	-	-	-	-	-
Qatar	..	-	-	-	-	-	-	-	-
Saudi Arabia	..	-	-	-	-	-	-	-	-
Syrian Arab Republic	..	-	-	-	-	-	-	-	-
United Arab Emirates	..	-	-	-	-	-	-	-	-
Yemen	..	-	-	-	-	-	-	-	-
Middle East	..	-	-	-	-	-	-	-	-

Also includes small quantities of coal from other sources.

1. Please refer to section 'Geographical coverage'.

Production of crude oil, NGL and additives

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	2 868 567	3 105 923	3 170 055	3 619 824	3 958 157	3 990 995	4 315 816	4 374 230	4 365 001
Non-OECD Total	2 183 170	2 283 809	2 276 437	2 611 153	3 035 686	3 130 636	3 227 346	3 315 399	3 278 722
OECD Total	685 397	822 114	893 618	1 008 671	922 471	860 359	1 088 470	1 058 831	1 086 279
Canada	94 128	81 389	91 610	124 806	139 570	163 780	221 756	219 263	237 230
Chile	1 748	1 786	1 102	398	324	551	282	244	268
Mexico	27 182	113 350	150 776	169 263	187 632	144 718	126 540	120 447	108 936
United States	513 296	478 626	413 344	353 002	309 989	330 032	560 375	538 400	563 328
OECD Americas	636 354	675 151	656 832	647 469	637 515	639 081	908 953	878 354	909 762
Australia	19 182	20 564	27 493	32 076	24 355	24 236	17 161	16 668	14 525
Israel ¹	6 005	20	13	4	2	4	76	115	115
Japan	717	451	526	598	703	650	447	423	421
Korea	-	-	-	670	533	697	658	689	718
New Zealand	161	338	1 899	1 870	1 054	2 619	2 061	1 752	1 602
OECD Asia Oceania	26 065	21 373	29 931	35 218	26 647	28 206	20 403	19 647	17 381
Austria	2 596	1 500	1 190	1 072	965	1 011	875	792	735
Belgium	-	-	-	-	-	-	-	-	-
Czech Republic	43	236	184	385	589	272	209	187	213
Denmark	68	298	5 994	17 780	18 517	12 157	7 690	6 924	6 734
Estonia	..	..	-	-	-	-	-	-	-
Finland	-	-	-	100	148	67	70	70	70
France	2 066	2 254	3 470	1 907	1 443	1 169	1 063	992	954
Germany	6 714	6 159	5 288	4 341	5 209	3 780	3 629	3 701	3 638
Greece	-	-	830	279	100	115	62	176	142
Hungary	2 033	2 517	2 299	1 663	1 414	1 076	861	986	1 020
Iceland	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-	-
Italy	1 105	1 825	4 723	4 764	6 362	5 882	5 830	4 066	4 458
Latvia	..	..	-	-	-	-	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-
Netherlands	1 556	1 568	4 076	2 568	2 467	1 587	1 996	1 571	1 453
Norway	1 595	24 277	82 088	160 990	133 016	99 608	87 821	90 184	89 573
Poland	392	335	178	711	899	739	929	1 012	997
Portugal	-	-	-	-	-	-	-	-	-
Slovak Republic	130	44	77	59	34	16	12	10	8
Slovenia	..	..	3	1	-	-	-	-	-
Spain	654	1 755	1 144	227	166	123	232	141	118
Sweden	-	25	3	-	-	-	-	-	-
Switzerland	-	-	-	-	-	-	-	-	-
Turkey	3 511	2 330	3 712	2 762	2 258	2 508	2 516	2 573	2 553
United Kingdom	515	80 467	91 596	126 375	84 722	62 962	45 319	47 445	46 470
OECD Europe	22 978	125 590	206 855	325 984	258 309	193 072	159 114	160 830	159 136
<i>IEA</i>	<i>677 644</i>	<i>820 308</i>	<i>892 500</i>	<i>1 008 268</i>	<i>922 145</i>	<i>859 804</i>	<i>1 088 112</i>	<i>1 058 472</i>	<i>1 085 896</i>
<i>IEA/Accession/Association</i>	<i>814 779</i>	<i>1 025 726</i>	<i>1 175 147</i>	<i>1 350 216</i>	<i>1 290 791</i>	<i>1 277 548</i>	<i>1 529 872</i>	<i>1 491 547</i>	<i>1 514 343</i>
<i>European Union - 28</i>	<i>..</i>	<i>..</i>	<i>131 775</i>	<i>170 246</i>	<i>130 300</i>	<i>96 121</i>	<i>73 580</i>	<i>72 728</i>	<i>71 506</i>
<i>G7</i>	<i>618 541</i>	<i>651 171</i>	<i>610 557</i>	<i>615 793</i>	<i>547 998</i>	<i>568 255</i>	<i>838 419</i>	<i>814 290</i>	<i>856 499</i>
<i>G8</i>	<i>..</i>	<i>..</i>	<i>1 134 236</i>	<i>937 485</i>	<i>1 014 446</i>	<i>1 072 357</i>	<i>1 372 132</i>	<i>1 362 024</i>	<i>1 404 994</i>
<i>G20</i>	<i>..</i>	<i>..</i>	<i>1 989 578</i>	<i>1 987 137</i>	<i>2 170 195</i>	<i>2 164 063</i>	<i>2 555 541</i>	<i>2 545 825</i>	<i>2 545 903</i>
<i>OPEC</i>	<i>1 491 049</i>	<i>1 299 587</i>	<i>1 149 330</i>	<i>1 523 412</i>	<i>1 727 211</i>	<i>1 690 235</i>	<i>1 767 377</i>	<i>1 870 689</i>	<i>1 849 453</i>

Excludes synthetic fuels and biofuels production.
1. Please refer to section 'Geographical coverage'.

Production of crude oil, NGL and additives

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	2 183 170	2 283 809	2 276 437	2 611 153	3 035 686	3 130 636	3 227 346	3 315 399	3 278 722
Albania	2 107	2 000	1 162	314	418	744	1 279	1 056	959
Armenia	..	..	-	-	-	-	-	-	-
Azerbaijan	..	..	12 513	14 017	22 215	50 898	41 669	41 087	41 523
Belarus	..	..	2 100	1 898	1 828	1 768	1 711	1 708	1 658
Bosnia and Herzegovina	..	..	-	-	-	-	-	-	-
Bulgaria	190	275	60	46	30	23	25	24	24
Croatia	..	..	2 719	1 313	1 004	740	675	743	753
Cyprus ¹	-	-	-	-	-	-	-	-	-
FYR of Macedonia	..	..	-	-	-	-	-	-	-
Georgia	..	..	186	110	67	52	40	39	39
Gibraltar	-	-	-	-	-	-	-	-	-
Kazakhstan	..	..	25 820	35 281	62 238	80 961	80 698	79 299	74 165
Kosovo	..	..	..	-	-	-	-	-	-
Kyrgyzstan	..	..	158	77	78	83	107	145	145
Lithuania	..	..	12	316	216	115	75	64	56
Malta	-	-	-	-	-	-	-	-	-
Moldova	..	..	-	-	5	11	7	6	6
Montenegro	..	..	..	..	..	..	..	..	..
Romania	14 287	11 511	7 929	6 339	6 015	4 287	4 028	3 824	3 663
Russian Federation	..	..	523 679	321 692	466 448	504 102	533 713	547 734	548 495
Serbia	..	..	1 063	978	649	893	1 063	975	929
Tajikistan	..	..	147	18	22	27	25	25	25
Turkmenistan	..	..	4 158	7 729	10 256	10 310	13 030	12 014	11 262
Ukraine	..	..	5 252	3 693	4 375	3 576	2 608	2 295	2 178
Uzbekistan	..	..	2 800	7 707	5 580	3 957	2 750	2 538	2 437
Former Soviet Union	429 100	603 200	x	x	x	x	x	x	x
Former Yugoslavia	3 332	4 229	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	449 016	621 215	589 758	401 528	581 444	662 547	683 503	693 576	688 317
Algeria	51 118	52 677	57 850	68 002	86 130	74 428	67 530	68 869	65 535
Angola	8 154	7 428	23 337	36 825	62 446	88 415	89 457	85 152	82 077
Benin	-	-	206	-	-	-	-	-	-
Botswana	..	..	-	-	-	-	-	-	-
Cameroon	-	3 571	6 831	5 783	4 531	3 304	4 726	4 673	3 894
Congo	2 054	3 349	8 029	13 609	12 594	16 072	12 605	12 760	14 919
Côte d'Ivoire	-	74	91	364	2 044	1 972	1 354	2 013	1 631
Dem. Rep. of the Congo	-	908	1 451	1 169	1 269	1 108	1 048	996	949
Egypt	8 504	29 780	45 499	35 539	32 243	34 676	34 561	34 164	32 874
Eritrea	..	..	..	-	-	-	-	-	-
Ethiopia	-	-	-	-	-	-	-	-	-
Gabon	7 600	8 751	13 292	13 299	13 294	12 418	11 503	11 366	10 014
Ghana	-	-	-	-	12	195	5 351	4 614	8 375
Kenya	-	-	-	-	-	-	-	-	-
Libya	106 172	89 779	66 198	69 147	86 091	87 534	21 449	20 317	41 211
Mauritius	-	-	-	-	-	-	-	-	-
Morocco	42	14	15	13	7	10	5	5	5
Mozambique	-	-	-	-	21	30	-	-	-
Namibia	..	..	..	-	-	-	-	-	-
Niger	..	..	..	-	-	-	741	736	823
Nigeria	101 412	101 789	88 322	115 178	128 648	126 511	104 303	90 364	94 051
Senegal	-	-	1	-	-	-	-	-	-
South Africa	-	-	-	960	872	500	310	256	207
South Sudan	..	..	..	..	..	..	7 388	5 891	5 488
Sudan	-	-	-	8 857	15 250	23 104	5 250	5 099	4 218
Tanzania	-	-	-	-	-	-	-	-	-
Togo	-	-	-	-	-	-	-	-	-
Tunisia	3 878	5 647	4 616	3 697	3 448	3 875	2 551	2 434	2 089
Zambia	-	-	-	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-	-	-	-
Other Africa	-	-	-	5 857	26 807	20 346	20 546	17 904	17 904
Africa	288 934	303 767	315 738	378 299	475 707	494 498	390 678	367 613	386 264

Excludes synthetic fuels and biofuels production.

1. Please refer to section 'Geographical coverage'.

Production of crude oil, NGL and additives

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	5	-	93	95	110	240	294	321	321
Brunei Darussalam	11 369	11 935	7 539	10 011	10 836	8 136	6 557	5 944	5 539
Cambodia	..	..	..	-	-	-	-	-	-
DPR of Korea	-	-	-	-	-	-	-	-	-
India	7 189	10 507	34 555	36 419	36 845	42 188	40 958	40 304	40 591
Indonesia	66 108	77 870	73 194	70 259	52 447	47 536	39 686	41 831	40 372
Malaysia	4 340	13 438	30 029	31 157	36 117	33 212	32 429	33 970	33 338
Mongolia	..	..	-	9	27	299	1 201	1 130	1 044
Myanmar	981	1 560	728	567	1 125	927	570	602	602
Nepal	-	-	-	-	-	-	-	-	-
Pakistan	419	483	2 721	2 997	3 561	3 487	4 749	4 659	4 379
Philippines	-	493	236	57	792	991	768	760	671
Singapore	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-
Chinese Taipei	148	243	175	33	29	13	8	8	5
Thailand	6	14	2 751	7 684	12 502	16 858	18 808	19 275	18 120
Viet Nam	-	-	2 701	16 561	19 176	15 793	18 924	16 017	14 417
Other Non-OECD Asia	2	8	4 504	3 209	10 595	8 719	8 197	7 567	7 567
Non-OECD Asia excl. China	90 567	116 551	159 226	179 058	184 162	178 399	173 149	172 388	166 966
People's Republic of China	53 610	105 946	138 306	163 078	181 426	203 156	214 756	199 888	191 709
Hong Kong, China	-	-	-	-	-	-	-	-	-
China	53 610	105 946	138 306	163 078	181 426	203 156	214 756	199 888	191 709
Argentina	21 938	25 714	26 067	41 353	37 707	35 295	30 758	29 506	27 832
Bolivia	2 479	1 350	1 260	1 773	2 721	2 313	3 252	3 177	3 044
Brazil	8 432	9 281	32 724	64 097	85 095	107 445	127 265	131 528	137 382
Colombia	9 758	6 588	22 824	35 510	27 174	40 558	52 101	46 058	44 653
Costa Rica	-	-	-	-	-	-	-	-	-
Cuba	246	555	874	2 816	3 013	3 100	2 971	2 640	2 441
Curaçao ¹	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	-	-	-	-	-	-	-
Ecuador	10 617	10 507	15 018	21 014	25 990	24 471	27 718	28 078	26 857
El Salvador	-	-	-	-	-	-	-	-	-
Guatemala	-	208	197	1 130	1 004	651	547	490	525
Haiti	-	-	-	-	-	-	-	-	-
Honduras	-	-	-	-	-	-	-	-	-
Jamaica	-	-	-	-	-	-	-	-	-
Nicaragua	-	-	-	-	-	-	-	-	-
Panama	-	-	-	-	-	-	-	-	-
Paraguay	-	-	-	-	-	-	-	-	-
Peru	3 553	9 751	6 412	5 071	5 268	8 638	7 786	6 315	6 283
Suriname	..	..	..	603	600	794	847	758	758
Trinidad and Tobago	8 291	10 596	7 797	6 774	8 321	6 664	5 087	4 560	4 681
Uruguay	-	-	-	-	-	-	-	-	-
Venezuela	179 424	116 613	115 187	173 891	181 556	158 969	145 981	131 405	115 388
Other Non-OECD Americas	2	72	375	77	63	254	113	113	113
Non-OECD Americas	244 740	191 235	228 735	354 109	378 512	389 152	404 426	384 628	369 957
Bahrain	9 305	9 369	9 691	9 696	9 692	9 451	10 420	10 479	10 203
Islamic Republic of Iran	293 159	74 448	164 304	198 822	220 078	214 355	160 682	213 638	229 140
Iraq	99 542	131 346	104 443	129 286	93 644	117 270	172 910	221 948	224 780
Jordan	-	-	-	2	1	1	-	-	-
Kuwait	152 827	86 579	46 337	104 706	134 547	122 995	151 599	157 847	148 578
Lebanon	-	-	-	-	-	-	-	-	-
Oman	14 903	14 485	35 165	50 266	40 852	42 487	48 308	49 663	48 039
Qatar	27 502	23 005	21 532	36 549	47 829	67 961	71 549	74 325	73 881
Saudi Arabia	379 905	514 238	341 817	435 856	514 015	461 099	565 062	583 587	560 098
Syrian Arab Republic	5 543	9 198	20 630	27 681	21 004	20 117	1 150	1 093	1 093
United Arab Emirates	73 617	82 427	91 693	120 837	132 943	133 809	177 634	183 793	177 843
Yemen	-	-	9 062	21 380	19 830	13 339	1 520	933	1 854
Middle East	1 056 303	945 095	844 674	1 135 081	1 234 435	1 202 884	1 360 834	1 497 306	1 475 509

Excludes synthetic fuels and biofuels production.

1. Please refer to section 'Geographical coverage'.

Production of natural gas

<i>Unit: TJ-gross</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	46 113 575	57 713 291	78 559 703	96 081 471	110 217 318	126 287 067	139 065 093	141 067 617	146 194 813
Non-OECD Total	13 250 999	24 248 351	45 172 863	53 727 706	67 916 076	81 175 891	88 781 378	90 251 174	94 219 248
OECD Total	32 862 576	33 464 940	33 386 840	42 353 765	42 301 242	45 111 176	50 283 715	50 816 443	51 975 565
Canada	2 855 419	2 960 659	4 120 688	6 901 752	7 170 728	6 160 465	6 473 345	6 793 447	7 191 902
Chile	24 457	33 494	65 611	74 346	74 703	71 948	39 362	47 112	47 777
Mexico	490 563	1 002 752	1 058 653	1 553 098	1 789 100	1 980 921	1 598 718	1 415 746	1 204 326
United States	23 388 315	21 152 333	19 455 013	20 792 062	19 610 918	23 017 554	29 617 817	29 182 769	29 382 316
OECD Americas	26 758 754	25 149 238	24 699 965	29 321 258	28 645 449	31 230 888	37 729 242	37 439 074	37 826 321
Australia	157 311	347 366	797 340	1 327 693	1 458 614	2 069 199	2 622 740	3 373 350	4 086 771
Israel ¹	2 097	6 077	1 316	365	61 044	124 306	314 234	352 712	364 080
Japan	106 475	90 146	89 204	106 340	134 611	149 324	110 598	113 938	119 181
Korea	-	-	-	-	20 495	22 579	7 854	6 441	14 203
New Zealand	13 147	36 930	180 122	235 212	150 167	179 342	188 106	196 791	194 787
OECD Asia Oceania	279 030	480 519	1 067 982	1 669 610	1 824 931	2 544 750	3 243 532	4 043 232	4 779 022
Austria	91 006	77 671	51 529	72 030	61 911	64 994	48 263	45 338	48 516
Belgium	1 913	1 532	450	96	-	-	-	-	-
Czech Republic	16 884	14 691	9 337	7 876	7 170	9 382	9 529	8 384	8 768
Denmark	17	19	128 852	344 785	436 520	341 583	192 789	188 595	202 001
Estonia	..	..	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	292 687	294 328	117 032	69 999	42 275	30 044	890	837	658
Germany	764 857	756 799	629 513	735 038	666 810	516 989	294 709	304 749	265 984
Greece	-	-	6 426	1 968	851	354	219	446	422
Hungary	187 345	236 805	177 314	115 143	108 422	103 967	63 688	66 468	65 543
Iceland	-	-	-	-	-	-	-	-	-
Ireland	-	34 315	87 127	44 581	21 434	10 425	4 935	115 518	132 498
Italy	587 010	477 425	652 664	633 716	459 905	320 268	257 975	220 409	210 998
Latvia	..	..	-	-	-	-	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-
Netherlands	2 501 073	3 205 762	2 536 667	2 454 444	2 613 333	3 010 667	1 834 889	1 771 444	1 545 044
Norway	-	1 059 382	1 123 348	2 153 038	3 490 882	4 406 436	4 784 439	4 760 715	5 035 149
Poland	226 591	211 341	110 621	154 138	180 700	171 797	171 329	165 272	161 600
Portugal	-	-	-	-	-	-	-	-	-
Slovak Republic	18 006	7 952	15 734	6 182	5 876	4 108	3 620	3 562	3 997
Slovenia	..	..	940	281	160	279	120	199	318
Spain	59	-	59 228	6 883	6 694	2 074	2 516	2 231	1 438
Sweden	-	-	-	-	-	-	-	-	-
Switzerland	-	-	140	-	-	-	-	-	-
Turkey	-	-	8 120	24 474	34 355	26 134	14 584	14 068	13 564
United Kingdom	1 137 344	1 457 161	1 903 851	4 538 225	3 693 564	2 316 037	1 626 447	1 665 902	1 673 724
OECD Europe	5 824 792	7 835 183	7 618 893	11 362 897	11 830 862	11 335 538	9 310 941	9 334 137	9 370 222
<i>IEA</i>	<i>32 836 022</i>	<i>33 425 369</i>	<i>33 318 973</i>	<i>42 278 773</i>	<i>42 165 335</i>	<i>44 914 643</i>	<i>49 929 999</i>	<i>50 416 420</i>	<i>51 563 390</i>
<i>IEA/Accession/Association</i>	<i>33 148 713</i>	<i>34 811 180</i>	<i>36 817 217</i>	<i>48 342 223</i>	<i>49 709 307</i>	<i>55 928 028</i>	<i>61 602 563</i>	<i>62 114 654</i>	<i>63 590 106</i>
<i>European Union - 28</i>	<i>..</i>	<i>..</i>	<i>7 628 949</i>	<i>9 759 218</i>	<i>8 861 583</i>	<i>7 409 683</i>	<i>4 992 988</i>	<i>4 988 723</i>	<i>4 794 059</i>
<i>G7</i>	<i>29 132 107</i>	<i>27 188 851</i>	<i>26 967 965</i>	<i>33 777 132</i>	<i>31 778 811</i>	<i>32 510 681</i>	<i>38 381 781</i>	<i>38 282 051</i>	<i>38 844 763</i>
<i>G8</i>	<i>..</i>	<i>..</i>	<i>51 010 521</i>	<i>55 675 910</i>	<i>55 775 784</i>	<i>57 638 797</i>	<i>62 773 515</i>	<i>63 328 517</i>	<i>65 826 312</i>
<i>G20</i>	<i>..</i>	<i>..</i>	<i>62 166 890</i>	<i>70 716 725</i>	<i>73 763 011</i>	<i>80 243 598</i>	<i>85 185 319</i>	<i>86 572 385</i>	<i>89 967 323</i>
<i>OPEC</i>	<i>1 693 912</i>	<i>2 648 667</i>	<i>6 142 105</i>	<i>11 674 687</i>	<i>16 087 307</i>	<i>22 188 641</i>	<i>27 068 446</i>	<i>28 317 278</i>	<i>29 130 630</i>

1. Please refer to section 'Geographical coverage'.

Production of natural gas

<i>Unit: TJ-gross</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	13 250 999	24 248 351	45 172 863	53 727 706	67 916 076	81 175 891	88 781 378	90 251 174	94 219 248
Albania	7 413	14 997	9 453	419	419	538	1 273	1 628	1 675
Armenia	..	..	-	-	-	-	-	-	-
Azerbaijan	..	..	374 210	212 703	216 096	650 779	751 362	731 110	710 287
Belarus	..	..	9 614	8 574	7 570	6 257	6 797	6 488	7 917
Bosnia and Herzegovina	..	..	-	-	-	-	-	-	-
Bulgaria	7 810	6 806	525	573	17 884	2 749	3 931	3 566	3 079
Croatia	..	..	75 328	63 023	86 769	103 028	68 450	63 692	56 947
Cyprus ¹	-	-	-	-	-	-	-	-	-
FYR of Macedonia	..	..	-	-	-	-	-	-	-
Georgia	..	..	2 293	2 599	712	251	442	257	294
Gibraltar	-	-	-	-	-	-	-	-	-
Kazakhstan	..	..	268 198	354 597	736 343	1 144 686	1 551 868	1 630 883	1 640 669
Kosovo	..	..	..	-	-	-	-	-	-
Kyrgyzstan	..	..	3 114	1 256	979	890	1 154	1 043	1 046
Lithuania	..	..	-	-	-	-	-	-	-
Malta	-	-	-	-	-	-	-	-	-
Moldova	..	..	-	-	-	3	3	4	-
Montenegro	..	..	..	..	-	-	-	-	-
Romania	1 130 968	1 454 955	1 065 811	510 237	451 305	400 938	408 689	362 111	412 524
Russian Federation	..	..	24 042 556	21 898 778	23 996 973	25 128 116	24 391 734	25 046 466	26 981 549
Serbia	..	..	24 548	29 003	10 631	14 342	21 207	19 381	17 967
Tajikistan	..	..	4 218	1 474	1 034	866	156	122	81
Turkmenistan	..	..	3 200 000	1 777 668	2 387 007	1 716 372	3 171 309	3 022 406	3 022 406
Ukraine	..	..	1 051 313	697 834	727 464	718 084	690 195	705 926	701 997
Uzbekistan	..	..	1 535 495	2 136 977	2 284 707	2 277 508	2 356 531	2 133 020	2 143 684
Former Soviet Union	9 092 601	16 733 244	x	x	x	x	x	x	x
Former Yugoslavia	61 724	81 048	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	10 300 516	18 291 050	31 666 676	27 695 715	30 925 893	32 165 407	33 425 101	33 728 103	35 702 122
Algeria	169 250	534 266	1 807 498	3 249 534	3 517 401	3 348 004	3 322 561	3 747 688	3 736 439
Angola	2 536	3 001	20 520	21 660	24 700	28 120	29 260	64 980	117 800
Benin	-	-	-	-	-	-	-	-	-
Botswana	..	..	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	12 070	19 176	20 710	20 710
Congo	89	-	-	-	891	3 923	10 632	9 923	9 842
Côte d'Ivoire	-	-	-	58 938	58 219	61 712	78 464	87 679	87 690
Dem. Rep. of the Congo	-	-	-	-	-	914	46	14	-
Egypt	3 390	73 761	313 196	671 574	1 983 168	2 158 923	1 455 476	1 381 636	1 703 578
Eritrea	..	..	..	-	-	-	-	-	-
Ethiopia	-	-	-	-	-	-	-	-	-
Gabon	18 465	583	4 140	4 745	5 689	12 552	20 735	20 776	20 773
Ghana	-	-	-	-	-	-	27 844	24 765	24 776
Kenya	-	-	-	-	-	-	-	-	-
Libya	159 045	196 460	235 600	223 440	429 400	638 780	440 800	376 200	345 724
Mauritius	-	-	-	-	-	-	-	-	-
Morocco	2 721	2 582	2 014	1 768	1 570	2 090	3 097	2 836	2 870
Mozambique	-	-	-	39	86 886	124 783	190 314	194 225	202 718
Namibia	..	..	..	-	-	-	-	-	-
Niger	..	..	..	-	-	-	-	-	-
Nigeria	16 491	57 601	152 000	473 480	920 011	1 236 538	1 660 131	1 531 400	1 634 722
Senegal	-	-	259	26	665	995	946	878	871
South Africa	-	-	70 000	65 024	82 976	58 640	47 680	42 790	42 788
South Sudan	..	..	..	..	..	..	..	..	..
Sudan	-	-	-	-	-	-	-	-	-
Tanzania	-	-	-	-	15 552	29 915	34 003	32 357	32 342
Togo	-	-	-	-	-	-	-	-	-
Tunisia	5 240	16 349	15 402	87 716	92 722	143 116	117 088	106 061	100 521
Zambia	-	-	-	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-	-	-	-
Other Africa	37	42	6	57	45 057	256 120	235 600	243 960	267 976
Africa	377 264	884 645	2 620 635	4 858 001	7 264 907	8 117 195	7 693 853	7 888 878	8 352 140

1. Please refer to section 'Geographical coverage'.

Production of natural gas

<i>Unit: TJ-gross</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	24 322	48 567	173 388	343 356	502 870	773 579	983 200	1 074 720	1 074 701
Brunei Darussalam	71 433	416 072	369 588	440 350	465 183	477 733	437 932	422 384	467 012
Cambodia	..	..	..	-	-	-	-	-	-
DPR of Korea	-	-	-	-	-	-	-	-	-
India	29 352	58 627	491 746	1 073 167	1 206 639	1 998 711	1 218 477	1 205 880	1 229 982
Indonesia	15 456	696 282	1 960 177	2 845 363	3 050 791	3 480 020	3 046 488	3 003 198	3 018 204
Malaysia	4 642	104 437	720 455	1 979 891	2 575 834	2 372 939	2 690 871	2 662 298	2 928 525
Mongolia	..	..	-	-	-	-	-	-	-
Myanmar	3 976	13 289	35 359	240 807	479 082	473 191	687 208	744 589	722 235
Nepal	-	-	-	-	-	-	-	-	-
Pakistan	133 215	233 765	468 924	775 456	1 192 981	1 255 377	1 173 262	1 165 154	1 165 156
Philippines	-	-	-	407	125 654	141 915	133 765	153 257	151 729
Singapore	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-
Chinese Taipei	56 701	73 799	48 602	27 829	20 400	11 037	12 519	10 767	8 906
Thailand	-	-	232 344	727 539	860 821	1 150 367	1 199 937	1 176 806	1 155 609
Viet Nam	-	-	126	52 083	278 548	377 925	444 313	441 289	406 005
Other Non-OECD Asia	102 207	102 687	11 379	9 536	10 270	236 738	697 052	697 565	752 286
Non-OECD Asia excl. China	441 304	1 747 525	4 512 088	8 515 784	10 769 073	12 749 532	12 725 024	12 757 907	13 080 350
People's Republic of China	233 032	556 538	595 644	1 058 923	1 920 077	3 729 239	5 240 502	5 328 291	5 515 588
Hong Kong, China	-	-	-	-	-	-	-	-	-
China	233 032	556 538	595 644	1 058 923	1 920 077	3 729 239	5 240 502	5 328 291	5 515 588
Argentina	267 382	397 651	791 577	1 596 643	1 857 345	1 645 453	1 561 422	1 672 989	1 737 174
Bolivia	78 598	99 588	128 604	187 112	477 270	571 706	845 396	805 483	782 928
Brazil	7 673	38 288	150 708	282 344	429 371	581 010	924 701	934 111	1 056 686
Colombia	65 840	111 379	156 984	253 864	284 720	438 454	482 860	445 589	445 588
Costa Rica	-	-	-	-	-	-	-	-	-
Cuba	520	639	1 209	21 217	27 470	39 636	45 993	43 809	43 794
Curaçao ¹	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	13 006	19 804	26 016	27 747	24 244
El Salvador	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
Haiti	-	-	-	-	-	-	-	-	-
Honduras	-	-	-	-	-	-	-	-	-
Jamaica	-	-	-	-	-	-	-	-	-
Nicaragua	-	-	-	-	-	-	-	-	-
Panama	-	-	-	-	-	-	-	-	-
Paraguay	-	-	-	-	-	-	-	-	-
Peru	14 142	20 878	18 953	22 977	75 615	354 751	590 248	653 763	732 184
Suriname	..	..	..	-	-	-	-	-	-
Trinidad and Tobago	73 992	113 330	218 535	567 130	1 232 685	1 666 981	1 488 155	1 347 025	1 379 343
Uruguay	-	-	-	-	-	-	-	-	-
Venezuela	403 570	524 458	779 157	1 016 539	901 033	891 379	929 637	991 136	973 297
Other Non-OECD Americas	117	518	1 132	1 479	1 028	1 084	778	778	760
Non-OECD Americas	911 834	1 306 729	2 246 859	3 949 305	5 299 543	6 210 258	6 895 206	6 922 430	7 175 998
Bahrain	62 494	113 168	205 971	318 493	388 589	491 691	565 825	559 686	574 826
Islamic Republic of Iran	467 705	170 233	889 511	2 319 139	3 882 747	5 662 412	7 244 651	7 864 956	8 415 493
Iraq	45 980	48 678	151 240	119 700	69 160	194 889	263 997	290 397	296 932
Jordan	-	-	4 724	9 909	8 313	6 345	4 702	4 011	3 840
Kuwait	230 607	262 009	153 077	364 800	467 400	445 854	642 542	657 058	649 876
Lebanon	-	-	-	-	-	-	-	-	-
Oman	-	14 527	113 389	421 397	833 644	1 105 510	1 315 495	1 343 097	1 375 333
Qatar	60 040	132 374	258 557	1 013 434	1 854 515	4 991 505	6 904 885	6 993 189	7 000 202
Saudi Arabia	71 441	425 724	906 515	1 431 846	2 138 435	2 786 550	3 315 671	3 450 178	3 579 030
Syrian Arab Republic	-	1 871	63 687	214 890	229 970	337 038	162 110	141 375	141 375
United Arab Emirates	48 782	293 280	784 290	1 436 370	1 863 810	1 932 254	2 267 560	2 301 573	2 336 098
Yemen	-	-	-	-	-	250 212	114 254	20 045	20 045
Middle East	987 049	1 461 864	3 530 961	7 649 978	11 736 583	18 204 260	22 801 692	23 625 565	24 393 050

1. Please refer to section 'Geographical coverage'.

Production of primary energy from biofuels and waste

Unit: TJ-net	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	26 831 698	31 050 840	38 042 796	42 755 547	45 872 038	51 066 626	54 931 102	56 306 905	..
Non-OECD Total	23 176 461	26 419 527	31 772 073	35 042 731	37 013 200	40 081 774	42 357 678	43 522 945	..
OECD Total	3 655 237	4 631 313	6 270 723	7 712 816	8 858 838	10 984 852	12 573 424	12 783 960	13 041 205
Canada	327 225	320 229	456 037	581 114	611 756	553 445	581 341	546 324	568 772
Chile	55 478	75 098	131 193	197 662	202 209	205 276	305 701	325 843	313 045
Mexico	259 963	287 967	358 132	374 343	371 988	339 871	361 165	362 894	370 312
United States	1 570 193	2 281 777	2 606 996	3 064 128	3 160 919	3 773 658	4 308 675	4 275 026	4 297 248
OECD Americas	2 212 859	2 965 071	3 552 358	4 217 247	4 346 872	4 872 250	5 556 882	5 510 087	5 549 377
Australia	147 710	151 286	165 875	210 842	213 634	205 015	216 712	215 467	228 939
Israel ¹	127	107	127	183	183	897	742	978	978
Japan	-	-	190 178	200 261	324 107	403 286	512 862	539 881	541 685
Korea	-	-	29 619	56 605	88 673	145 027	245 003	268 460	328 729
New Zealand	-	21 743	31 600	47 101	54 512	50 574	49 206	61 576	64 319
OECD Asia Oceania	147 837	173 136	417 399	514 992	681 109	804 799	1 024 525	1 086 362	1 164 650
Austria	29 195	47 202	102 790	132 676	168 115	232 209	259 062	267 995	267 482
Belgium	361	2 403	31 596	38 994	55 559	117 382	120 299	123 553	128 769
Czech Republic	-	-	44 124	64 803	93 668	130 707	173 378	174 465	180 560
Denmark	14 840	26 939	47 723	70 664	97 746	118 269	109 706	110 883	131 021
Estonia	..	..	7 865	21 419	28 708	40 251	54 001	61 833	65 120
Finland	164 266	145 673	181 221	274 175	295 991	353 424	376 319	383 533	405 897
France	409 827	361 884	460 033	450 704	505 865	668 095	674 419	730 824	728 736
Germany	104 761	185 185	200 851	329 742	596 548	1 046 197	1 276 174	1 308 534	1 331 428
Greece	18 840	18 840	37 403	42 261	42 485	38 467	53 021	45 920	47 866
Hungary	24 656	22 088	29 319	31 737	68 886	111 597	131 813	129 331	125 318
Iceland	-	-	-	56	112	58	96	99	99
Ireland	-	-	4 511	5 908	9 024	13 684	16 994	18 299	21 827
Italy	10 207	34 198	35 552	72 677	246 072	426 336	497 755	509 235	519 842
Latvia	..	..	28 271	48 151	65 649	69 822	90 670	92 851	91 931
Luxembourg	-	879	954	2 121	3 867	4 252	5 065	5 425	5 871
Netherlands	-	9 504	40 630	81 057	103 955	142 334	190 936	186 147	202 896
Norway	-	24 437	43 184	56 935	56 454	63 408	55 605	55 049	73 095
Poland	54 091	50 934	93 347	156 066	188 103	285 847	343 259	352 349	331 610
Portugal	26 749	30 075	103 699	115 980	124 222	141 348	135 038	136 526	137 327
Slovak Republic	7 719	7 586	7 286	17 642	21 125	40 662	58 297	57 213	57 121
Slovenia	..	..	9 917	19 187	20 482	28 866	27 753	28 615	27 887
Spain	544	11 149	170 295	172 937	214 047	264 346	304 015	309 333	326 905
Sweden	148 421	172 970	230 579	345 989	371 054	473 813	462 635	480 430	460 182
Switzerland	9 890	19 550	61 831	76 050	85 797	97 437	99 501	105 412	105 998
Turkey	270 174	321 610	301 722	272 178	223 363	189 574	134 957	130 589	136 474
United Kingdom	-	-	26 263	80 468	143 960	209 418	341 249	383 068	415 916
OECD Europe	1 294 541	1 493 106	2 300 966	2 980 577	3 830 857	5 307 803	5 992 017	6 187 511	6 327 178
IEA	3 599 632	4 556 108	6 101 215	7 447 577	8 570 203	10 679 933	12 148 462	12 335 574	12 607 265
IEA/Accession/Association	17 645 326	20 485 431	24 674 588	26 856 498	28 105 095	30 883 192	31 874 900	32 704 038	..
European Union - 28	..	..	1 975 100	2 788 017	3 725 099	5 269 871	6 038 690	6 239 733	..
G7	2 422 213	3 183 273	3 975 910	4 779 094	5 589 227	7 080 435	8 192 475	8 292 892	8 403 627
G8	..	..	4 485 953	5 072 543	5 880 280	7 371 701	8 514 325	8 633 473	..
G20	7 930	63 046	24 893 226	27 024 776	28 130 170	30 822 513	31 701 148	32 424 795	..
OPEC	1 595 995	1 892 249	2 484 035	3 249 562	3 859 622	4 657 984	5 264 162	5 379 786	..

Data become available in different years for different countries.
Liquid biofuels is converted from kt to TJ using the corresponding net calorific values.
1. Please refer to section 'Geographical coverage'.

Production of primary energy from biofuels and waste

Unit: TJ-net	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	23 176 461	26 419 527	31 772 073	35 042 731	37 013 200	40 081 774	42 357 678	43 522 945	..
Albania	15 707	15 707	15 199	10 886	9 630	8 583	8 960	7 787	..
Armenia	..	..	628	513	346	354	7 966	5 845	..
Azerbaijan	..	..	707	795	1 047	3 768	6 443	4 172	..
Belarus	..	..	9 573	39 452	52 946	64 363	60 804	60 441	..
Bosnia and Herzegovina	..	..	6 838	7 520	7 609	7 541	30 354	30 729	..
Bulgaria	10 012	8 225	7 299	23 521	32 492	41 042	53 397	54 973	..
Croatia	..	..	36 173	41 974	52 398	57 188	66 671	66 526	..
Cyprus ¹	382	262	257	367	404	1 019	927	1 085	..
FYR of Macedonia	..	..	-	8 635	8 576	8 067	8 812	7 886	..
Georgia	..	..	19 560	27 014	14 615	15 034	16 698	16 232	..
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	4 800	3 069	480	2 110	3 045	4 148	..
Kosovo	..	..	..	6 824	6 967	9 844	10 721	14 823	..
Kyrgyzstan	..	..	210	150	150	156	130	43	..
Lithuania	..	..	11 930	27 324	35 914	46 645	57 856	58 889	..
Malta	-	-	-	-	-	43	106	117	..
Moldova	..	..	2 602	2 464	2 951	21 158	27 001	29 149	..
Montenegro	..	..	..	..	6 096	6 821	8 292	8 125	..
Romania	57 319	40 010	25 212	119 473	138 760	166 608	157 875	161 781	..
Russian Federation	..	..	510 043	293 449	291 053	291 266	321 850	340 581	..
Serbia	..	..	48 944	36 400	37 800	43 781	46 497	46 589	..
Tajikistan	..	..	-	-	-	-	-	-	..
Turkmenistan	..	..	-	25	34	100	100	100	..
Ukraine	..	..	15 059	10 952	10 952	69 753	109 110	140 195	..
Uzbekistan	..	..	149	173	151	158	169	172	..
Former Soviet Union	815 545	770 616	x	x	x	x	x	x	x
Former Yugoslavia	37 372	30 085	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	936 337	864 905	715 183	660 980	711 371	865 402	1 003 784	1 060 388	..
Algeria	274	329	440	2 242	2 989	2 169	251	251	..
Angola	135 265	150 794	180 978	221 877	249 288	305 211	339 832	346 656	..
Benin	43 662	50 736	65 497	60 512	70 017	87 871	101 471	104 316	..
Botswana	..	..	17 617	22 721	19 082	20 717	22 711	23 133	..
Cameroon	103 013	124 323	159 987	208 740	245 563	185 482	259 932	266 807	..
Congo	13 721	15 797	19 860	19 925	27 567	38 141	63 701	65 359	..
Côte d'Ivoire	73 019	93 270	133 005	176 867	300 370	322 130	393 409	391 854	..
Dem. Rep. of the Congo	246 090	302 312	418 675	553 553	659 458	780 139	1 141 204	1 181 137	..
Egypt	28 468	33 250	44 272	55 492	60 858	66 622	76 153	77 705	..
Eritrea	..	..	..	21 261	20 925	24 321	29 244	30 208	..
Ethiopia	594 555	675 810	921 527	1 275 098	1 470 377	1 684 785	1 920 577	1 969 804	..
Gabon	21 263	24 758	31 097	38 720	97 257	169 328	159 957	164 101	..
Ghana	96 000	119 402	163 300	162 909	133 056	134 271	151 478	150 825	..
Kenya	183 321	238 023	342 396	458 423	525 255	603 215	687 682	705 497	..
Libya	4 415	5 236	5 236	5 844	6 265	6 549	6 365	6 424	..
Mauritius	11 162	10 011	12 123	10 712	10 580	9 744	10 149	9 121	..
Morocco	28 474	33 373	41 540	50 954	90 111	63 189	57 288	56 561	..
Mozambique	246 171	248 619	232 825	268 745	295 033	338 280	391 213	402 637	..
Namibia	..	..	..	10 905	11 670	12 480	14 868	14 868	..
Niger	..	..	..	51 947	61 184	71 637	92 679	95 783	..
Nigeria	1 367 225	1 648 488	2 194 948	2 917 117	3 422 637	4 088 751	4 667 314	4 776 413	..
Senegal	35 124	37 088	40 072	48 729	49 900	84 614	68 199	64 634	..
South Africa	215 000	265 000	443 000	517 244	514 811	514 744	517 486	518 542	..
South Sudan	..	..	..	..	..	..	8 022	8 103	..
Sudan	246 015	294 796	364 000	455 002	476 489	462 255	479 240	483 116	..
Tanzania	288 299	303 044	373 871	521 701	644 311	766 071	914 202	947 388	..
Togo	26 773	31 298	43 805	73 538	83 509	98 830	112 987	115 866	..
Tunisia	17 899	21 049	26 731	39 096	46 955	44 286	45 068	45 248	..
Zambia	97 304	123 791	168 734	216 834	253 170	303 043	358 435	369 508	..
Zimbabwe	132 901	153 414	197 970	234 128	252 224	280 134	313 997	325 342	..
Other Africa	849 200	1 004 160	1 561 108	1 741 397	1 942 489	2 183 987	2 559 383	2 631 963	..
Africa	5 104 613	6 008 171	8 204 614	10 442 233	12 043 400	13 752 996	15 964 497	16 349 170	..

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1. Please refer to section 'Geographical coverage'.

Production of primary energy from biofuels and waste

Unit: TJ-net	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	200 433	236 650	287 395	318 955	347 679	368 813	390 755	394 999	..
Brunei Darussalam	604	394	94	-	-	-	-	-	..
Cambodia	..	..	..	113 833	104 351	151 533	176 623	181 401	..
DPR of Korea	30 281	36 034	39 971	42 077	43 700	44 960	46 152	46 381	..
India	4 196 640	4 876 868	5 588 702	6 232 144	6 671 394	7 750 417	7 527 916	8 024 028	..
Indonesia	1 128 058	1 268 301	1 824 316	2 095 811	2 097 897	2 143 646	2 384 733	2 441 100	..
Malaysia	61 578	66 423	77 165	78 547	77 884	77 110	94 668	87 543	..
Mongolia	..	..	3 216	5 533	7 044	7 637	6 003	6 003	..
Myanmar	279 829	317 101	377 775	384 593	423 995	423 354	424 960	425 273	..
Nepal	157 042	183 640	227 193	292 625	332 010	359 789	398 983	402 865	..
Pakistan	474 496	587 419	785 890	1 005 105	1 116 753	1 237 565	1 384 137	1 412 445	..
Philippines	329 313	394 688	465 708	339 302	299 659	284 528	328 044	339 225	..
Singapore	-	-	2 936	8 460	16 508	24 590	25 748	27 436	..
Sri Lanka	116 707	129 050	164 184	187 263	193 554	211 618	202 243	196 263	..
Chinese Taipei	-	-	-	25 619	48 567	54 679	76 875	62 040	..
Thailand	331 320	445 853	615 090	611 095	718 502	945 045	1 055 686	1 177 697	..
Viet Nam	362 428	424 709	522 123	594 116	619 375	615 885	649 748	656 748	..
Other Non-OECD Asia	103 326	115 039	137 529	174 781	180 524	180 634	187 791	192 210	..
Non-OECD Asia excl. China	7 772 055	9 082 169	11 119 287	12 509 859	13 299 396	14 881 803	15 361 065	16 073 657	..
People's Republic of China	6 772 393	7 534 877	8 392 235	8 297 152	7 050 431	5 581 122	4 758 599	4 731 234	..
Hong Kong, China	1 368	1 621	1 817	2 084	2 130	4 004	4 284	4 305	..
China	6 773 761	7 536 498	8 394 052	8 299 236	7 052 561	5 585 126	4 762 883	4 735 539	..
Argentina	87 793	90 113	72 093	123 761	95 075	167 593	176 108	202 066	..
Bolivia	9 556	30 834	31 572	29 350	30 025	37 204	45 243	47 122	..
Brazil	1 533 331	1 694 953	1 977 361	1 915 643	2 687 840	3 489 974	3 610 767	3 584 565	3 641 105
Colombia	142 485	198 177	231 137	143 626	135 826	158 342	224 624	228 096	..
Costa Rica	11 270	13 166	16 375	10 385	26 759	33 564	27 147	25 920	..
Cuba	150 144	178 458	278 941	154 889	84 523	51 889	71 028	55 459	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	48 659	53 554	38 238	35 293	34 857	34 549	33 579	35 365	..
Ecuador	43 834	41 086	39 801	31 185	28 048	25 567	36 240	32 545	..
El Salvador	53 985	58 967	49 855	56 192	60 362	37 058	25 333	23 337	..
Guatemala	84 643	98 495	127 064	162 911	166 925	297 676	306 959	352 086	..
Haiti	61 138	77 802	50 805	63 543	113 873	130 089	138 394	140 387	..
Honduras	43 054	52 235	62 732	56 071	71 930	82 208	105 813	107 733	..
Jamaica	10 152	8 943	13 108	10 877	10 727	11 253	12 790	12 886	..
Nicaragua	30 602	36 173	44 100	50 836	52 022	52 575	63 634	60 561	..
Panama	13 971	18 610	17 670	19 326	18 915	12 963	13 528	13 528	..
Paraguay	52 218	64 852	93 896	93 703	91 356	103 456	97 063	104 686	..
Peru	146 901	143 816	111 980	93 556	95 074	127 375	106 937	103 817	..
Suriname	..	..	..	1 793	1 026	1 152	1 220	1 093	..
Trinidad and Tobago	1 024	1 259	2 749	900	1 659	591	564	559	..
Uruguay	16 919	19 557	22 860	17 648	18 639	55 412	85 737	88 983	..
Venezuela	16 961	15 025	21 429	24 876	27 208	32 833	31 651	30 725	..
Other Non-OECD Americas	17 777	17 987	17 458	17 363	17 022	15 633	17 639	17 900	..
Non-OECD Americas	2 576 417	2 914 062	3 321 224	3 113 727	3 869 691	4 958 956	5 231 998	5 269 419	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	6 151	5 769	9 118	6 408	24 462	26 020	21 180	21 300	..
Iraq	567	733	967	1 293	1 468	1 663	1 935	2 148	..
Jordan	39	29	59	97	169	245	247	1 118	..
Kuwait	40	31	21	-	-	-	-	-	..
Lebanon	4 239	4 376	4 181	5 448	6 716	5 015	4 971	4 971	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	-	-	..
Syrian Arab Republic	142	264	127	210	235	269	240	236	..
United Arab Emirates	-	-	-	-	-	-	-	-	..
Yemen	2 100	2 520	3 240	3 240	3 731	4 279	4 878	4 999	..
Middle East	13 278	13 722	17 713	16 696	36 781	37 491	33 451	34 772	..

Data become available in different years for different countries.

Liquid biofuels is converted from kt to TJ using the corresponding net calorific values.

1. Please refer to section 'Geographical coverage'.

Production of charcoal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	19 838	26 379	36 757	39 204	46 977	50 529	58 036	56 558	..
Non-OECD Total	19 838	26 379	36 427	38 842	46 665	50 204	57 884	56 411	..
OECD Total	-	-	330	362	312	325	152	147	157
Canada	-	-	-	-	-	-	-	-	-
Chile	-	-	249	253	251	248	73	65	65
Mexico	-	-	-	-	-	-	-	-	-
United States	-	-	-	-	-	-	-	-	-
OECD Americas	-	-	249	253	251	248	73	65	65
Australia	-	-	-	-	-	-	-	-	-
Israel ¹	-	-	-	-	-	-	-	-	-
Japan	-	-	35	25	18	14	12	12	12
Korea	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-
OECD Asia Oceania	-	-	35	25	18	14	12	12	12
Austria	-	-	-	-	1	1	1	2	1
Belgium	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Estonia	..	..	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Greece	-	-	-	-	-	1	1	1	1
Hungary	-	-	-	-	-	-	-	-	-
Iceland	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-	-
Italy	-	-	41	78	28	10	10	10	10
Latvia	..	..	-	-	8	9	11	12	13
Luxembourg	-	-	-	-	-	-	-	-	-
Netherlands	-	-	5	6	6	6	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	8	9	19
Slovak Republic	-	-	-	-	-	-	-	-	-
Slovenia	..	..	-	-	-	-	-	-	-
Spain	-	-	-	-	-	36	36	36	36
Sweden	-	-	-	-	-	-	-	-	-
Switzerland	-	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
OECD Europe	-	-	46	84	43	63	67	70	80
<i>IEA</i>	-	-	81	109	53	68	68	70	79
<i>IEA/Accession/Association</i>	8 629	12 969	18 810	14 785	17 713	16 471	14 380	11 557	..
<i>European Union - 28</i>	..	..	47	87	46	86	83	86	..
<i>G7</i>	-	-	76	103	46	24	22	22	22
<i>G8</i>	..	..	76	103	46	24	85	95	..
<i>G20</i>	..	..	15 310	12 911	15 471	13 240	12 016	11 329	..
<i>OPEC</i>	978	1 129	1 122	2 109	3 121	4 246	5 323	5 429	..

1. Please refer to section 'Geographical coverage'.

Production of charcoal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	19 838	26 379	36 427	38 842	46 665	50 204	57 884	56 411	..
Albania	-	-	-	-	-	-	-	7	..
Armenia	..	..	-	-	-	-	-	-	..
Azerbaijan	..	..	-	-	-	-	6	-	..
Belarus	..	..	-	2	1	4	3	4	..
Bosnia and Herzegovina	..	..	-	-	-	-	44	45	..
Bulgaria	-	-	-	-	-	17	6	4	..
Croatia	..	..	-	-	-	4	8	9	..
Cyprus ¹	1	1	1	3	2	1	1	2	..
FYR of Macedonia	..	..	-	-	-	-	-	-	..
Georgia	..	..	-	-	-	-	-	-	..
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	-	-	-	-	-	2	..
Kosovo	..	..	..	-	-	-	-	-	..
Kyrgyzstan	..	..	-	-	-	-	-	-	..
Lithuania	..	..	-	-	1	1	1	1	..
Malta	-	-	-	-	-	-	-	-	..
Moldova	..	..	-	-	-	-	1	1	..
Montenegro	..	..	..	..	-	-	-	-	..
Romania	-	-	-	-	-	-	-	-	..
Russian Federation	..	..	-	-	-	-	63	73	73
Serbia	..	..	-	-	-	-	12	15	..
Tajikistan	..	..	-	-	-	-	-	-	..
Turkmenistan	..	..	-	-	-	-	-	-	..
Ukraine	..	..	32	8	26	121	163	195	..
Uzbekistan	..	..	-	-	-	-	-	-	..
Former Soviet Union	-	-	x	x	x	x	x	x	x
Former Yugoslavia	-	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	1	1	33	13	30	148	308	358	..
Algeria	-	-	-	-	-	-	-	-	..
Angola	492	549	659	851	967	1 184	1 319	1 345	..
Benin	97	113	146	174	204	421	535	549	..
Botswana	..	..	-	-	-	-	-	-	..
Cameroon	50	61	78	99	105	214	230	236	..
Congo	53	61	77	137	165	192	219	225	..
Côte d'Ivoire	295	377	537	714	1 005	1 061	1 548	1 498	..
Dem. Rep. of the Congo	121	149	207	518	615	728	3 936	4 074	..
Egypt	-	-	-	-	-	-	-	-	..
Eritrea	..	..	..	76	114	135	176	182	..
Ethiopia	1 947	2 213	3 017	4 175	4 815	5 503	6 266	6 425	..
Gabon	-	-	-	-	-	-	-	-	..
Ghana	162	248	390	704	815	935	1 152	1 158	..
Kenya	974	1 264	1 817	2 441	2 797	3 209	3 666	3 761	..
Libya	-	-	-	-	-	-	-	-	..
Mauritius	3	3	3	-	1	1	1	1	..
Morocco	9	10	13	15	16	17	19	19	..
Mozambique	321	324	304	373	414	455	940	1 423	..
Namibia	..	..	..	72	102	142	161	161	..
Niger	..	..	..	28	33	39	50	52	..
Nigeria	428	516	403	1 218	2 120	3 029	3 970	4 047	..
Senegal	274	289	313	329	342	546	344	289	..
South Africa	41	292	1 234	1 411	1 404	1 404	1 411	1 414	..
South Sudan	..	..	..	..	..	..	11	11	..
Sudan	1 337	1 602	1 978	2 275	2 054	1 864	1 957	1 977	..
Tanzania	354	372	459	950	1 449	1 709	1 998	2 061	..
Togo	128	149	206	449	509	601	686	703	..
Tunisia	72	84	105	165	206	191	213	218	..
Zambia	348	443	603	799	914	1 050	1 219	1 256	..
Zimbabwe	13	13	14	14	14	9	9	9	..
Other Africa	134	189	717	1 356	2 035	2 507	3 830	3 939	..
Africa	7 653	9 321	13 280	19 343	23 215	27 146	35 866	37 033	..

1. Please refer to section 'Geographical coverage'.

Production of charcoal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	-	-	70	102	111	118	125	126	..
Brunei Darussalam	-	-	-	-	-	-	-	-	..
Cambodia	..	..	..	504	486	785	909	923	..
DPR of Korea	109	102	103	141	150	157	163	164	..
India	1 673	1 905	2 303	2 708	2 878	3 294	2 953	2 987	..
Indonesia	745	835	1 381	676	706	672	849	749	..
Malaysia	245	289	375	454	439	417	392	392	..
Mongolia	..	..	11	22	28	30	23	23	..
Myanmar	403	456	424	110	63	27	28	28	..
Nepal	-	-	-	7	10	10	11	11	..
Pakistan	88	109	146	217	242	268	298	304	..
Philippines	1 022	1 250	1 650	1 075	1 130	1 187	1 897	1 990	..
Singapore	-	-	-	-	-	-	-	-	..
Sri Lanka	-	-	9	49	42	50	31	32	..
Chinese Taipei	-	-	-	-	-	-	-	-	..
Thailand	2 370	3 029	4 767	3 311	3 916	4 793	4 289	2 122	..
Viet Nam	279	327	404	521	553	583	614	621	..
Other Non-OECD Asia	33	38	41	75	98	112	249	255	..
Non-OECD Asia excl. China	6 967	8 340	11 684	9 972	10 852	12 503	12 831	10 727	..
People's Republic of China	-	-	-	-	-	-	-	-	..
Hong Kong, China	-	-	-	-	-	-	-	-	..
China	-	-	-	-	-	-	-	-	..
Argentina	308	371	294	291	526	391	516	463	..
Bolivia	7	19	14	4	5	5	6	6	..
Brazil	3 832	7 190	10 016	7 713	9 893	7 379	6 129	5 545	5 235
Colombia	128	84	100	620	477	481	20	22	..
Costa Rica	4	4	4	5	1	1	2	1	..
Cuba	77	66	71	62	67	68	52	64	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	153	186	138	85	84	92	105	109	..
Ecuador	-	-	-	-	-	-	-	-	..
El Salvador	3	2	16	17	19	32	37	37	..
Guatemala	66	21	27	29	30	64	73	75	..
Haiti	241	346	266	238	965	1 155	1 256	1 274	..
Honduras	6	7	8	-	-	-	1	1	..
Jamaica	17	18	33	39	42	35	38	38	..
Nicaragua	19	26	31	30	14	12	7	7	..
Panama	1	1	3	6	5	2	1	1	..
Paraguay	66	87	210	170	234	480	430	411	..
Peru	191	177	65	87	84	77	60	59	..
Suriname	..	..	..	-	-	-	-	-	..
Trinidad and Tobago	1	1	2	2	2	2	2	2	..
Uruguay	1	1	4	1	-	-	-	-	..
Venezuela	10	10	10	10	10	9	7	7	..
Other Non-OECD Americas	5	5	8	12	15	17	20	20	..
Non-OECD Americas	5 136	8 622	11 320	9 421	12 473	10 302	8 762	8 142	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	40	45	37	12	4	1	1	1	..
Iraq	8	9	13	18	20	23	26	29	..
Jordan	-	-	-	-	-	-	-	29	..
Kuwait	-	-	-	-	-	-	-	-	..
Lebanon	-	-	8	11	11	11	10	10	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	-	-	..
Syrian Arab Republic	-	2	1	1	1	1	1	1	..
United Arab Emirates	-	-	-	-	-	-	-	-	..
Yemen	33	39	51	51	59	69	79	81	..
Middle East	81	95	110	93	95	105	117	151	..

1. Please refer to section 'Geographical coverage'.

Production of electricity from fossil fuels

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	4 606 272	4 935 026	7 503 508	9 959 893	12 167 191	14 443 986	16 076 121	16 319 554	..
Non-OECD Total	1 255 039	1 049 485	2 932 916	4 035 912	5 656 617	7 837 030	9 744 455	10 029 348	..
OECD Total	3 351 233	3 885 541	4 570 592	5 923 981	6 510 574	6 606 956	6 331 666	6 290 206	6 193 174
Canada	60 173	82 798	108 342	165 750	155 856	139 762	141 773	132 358	131 639
Chile	3 120	3 775	8 481	20 621	24 204	36 026	42 515	44 989	43 894
Mexico	20 750	49 161	84 296	156 722	201 853	223 863	251 636	260 776	260 244
United States	1 608 210	1 876 547	2 211 966	2 882 270	3 078 075	3 060 149	2 882 404	2 806 893	2 660 079
OECD Americas	1 692 253	2 012 281	2 413 085	3 225 363	3 459 988	3 459 800	3 318 328	3 245 016	3 095 856
Australia	52 662	81 907	139 389	192 274	208 244	230 893	217 871	219 115	219 443
Israel ¹	8 720	12 404	20 895	42 630	48 563	58 389	63 012	65 318	66 191
Japan	388 633	400 748	539 917	617 238	681 341	697 834	850 256	840 408	838 340
Korea	13 541	31 778	46 122	175 437	236 937	341 395	371 960	379 015	390 793
New Zealand	2 972	1 743	6 384	11 118	15 286	11 982	8 748	6 856	7 776
OECD Asia Oceania	466 528	528 580	752 707	1 038 697	1 190 371	1 340 493	1 511 847	1 510 712	1 522 543
Austria	11 964	12 551	16 607	16 292	23 156	22 329	13 725	13 550	15 829
Belgium	40 252	39 964	26 574	32 804	35 082	37 781	26 486	24 939	25 565
Czech Republic	40 093	6 157	48 525	57 031	54 063	51 300	46 195	48 443	47 709
Denmark	19 096	26 724	25 134	29 886	25 618	25 686	9 227	11 354	8 215
Estonia	..	..	17 181	8 495	10 094	11 920	8 768	10 533	11 267
Finland	15 587	23 509	19 146	23 855	23 419	33 157	14 188	14 446	13 024
France	119 278	125 823	47 118	49 539	61 699	55 596	35 585	47 921	57 095
Germany	344 101	386 245	372 498	361 442	383 747	372 549	352 936	361 336	345 210
Greece	12 594	19 248	33 004	49 118	52 921	46 716	36 860	39 316	44 404
Hungary	17 542	23 764	14 493	20 713	19 980	18 438	11 093	12 300	12 958
Iceland	87	47	6	5	5	2	4	3	2
Ireland	6 704	9 728	13 532	22 488	23 753	24 448	20 167	22 541	21 651
Italy	99 406	132 062	178 190	217 762	245 805	218 886	169 632	176 682	185 711
Latvia	..	..	2 152	1 313	1 492	2 992	2 757	2 944	2 070
Luxembourg	1 347	790	520	215	3 108	2 917	838	258	224
Netherlands	51 519	59 582	67 092	81 277	86 789	102 386	90 514	94 574	94 072
Norway	162	137	88	292	530	5 031	2 773	2 776	2 735
Poland	82 157	118 183	132 740	140 765	151 167	146 073	141 467	143 066	145 468
Portugal	2 267	6 871	18 503	30 247	37 623	25 008	26 601	26 512	34 795
Slovak Republic	10 745	13 187	11 581	9 657	8 905	6 886	5 320	5 262	4 552
Slovenia	..	..	4 872	4 959	5 652	5 844	4 806	5 441	5 260
Spain	40 147	74 128	70 776	123 614	184 198	137 736	122 415	107 194	125 283
Sweden	15 678	10 181	3 285	4 531	3 890	7 326	1 938	2 072	2 928
Switzerland	2 604	851	756	1 084	1 084	1 096	707	907	877
Turkey	9 625	11 791	34 315	93 714	122 120	155 371	177 608	183 426	209 166
United Kingdom	249 497	243 157	246 112	278 823	294 315	289 189	178 881	176 682	158 705
OECD Europe	1 192 452	1 344 680	1 404 800	1 659 921	1 860 215	1 806 663	1 501 491	1 534 478	1 574 775
<i>IEA</i>	<i>3 339 306</i>	<i>3 869 315</i>	<i>4 534 186</i>	<i>5 854 453</i>	<i>6 430 658</i>	<i>6 503 703</i>	<i>6 218 572</i>	<i>6 171 511</i>	<i>6 075 757</i>
<i>IEA/Accession/Association</i>	<i>3 532 455</i>	<i>4 000 334</i>	<i>5 351 053</i>	<i>7 705 220</i>	<i>9 408 746</i>	<i>11 089 009</i>	<i>12 227 977</i>	<i>12 391 018</i>	..
<i>European Union - 28</i>	..	..	<i>1 467 059</i>	<i>1 628 673</i>	<i>1 807 111</i>	<i>1 715 518</i>	<i>1 384 367</i>	<i>1 406 085</i>	..
<i>G7</i>	<i>2 869 298</i>	<i>3 247 380</i>	<i>3 704 143</i>	<i>4 572 824</i>	<i>4 900 838</i>	<i>4 833 965</i>	<i>4 611 467</i>	<i>4 542 280</i>	<i>4 376 779</i>
<i>G8</i>	..	..	<i>4 501 947</i>	<i>5 151 896</i>	<i>5 526 807</i>	<i>5 529 900</i>	<i>5 309 868</i>	<i>5 246 479</i>	..
<i>G20</i>	..	..	<i>6 453 992</i>	<i>8 592 792</i>	<i>10 398 147</i>	<i>12 198 488</i>	<i>13 408 470</i>	<i>13 577 169</i>	..
<i>OPEC</i>	<i>35 559</i>	<i>105 768</i>	<i>243 302</i>	<i>432 942</i>	<i>588 235</i>	<i>838 612</i>	<i>1 102 302</i>	<i>1 123 005</i>	..

Excludes electricity production from waste.

1. Please refer to section 'Geographical coverage'.

Production of electricity from fossil fuels

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	1 255 039	1 049 485	2 932 916	4 035 912	5 656 617	7 837 030	9 744 455	10 029 348	..
Albania	575	765	448	184	70	1	-	-	..
Armenia	..	..	8 807	2 692	1 828	1 438	2 801	2 581	2 739
Azerbaijan	..	..	21 494	17 165	19 863	15 263	22 859	22 762	22 345
Belarus	..	..	39 506	26 074	30 924	34 742	33 737	33 130	32 615
Bosnia and Herzegovina	..	..	11 574	5 335	6 604	9 098	10 078	12 102	12 453
Bulgaria	19 386	7 835	25 598	19 780	20 960	24 966	24 568	21 735	23 244
Croatia	..	..	4 934	4 809	5 997	5 498	3 728	4 251	4 659
Cyprus ¹	830	1 034	1 974	3 370	4 376	5 249	4 135	4 463	4 567
FYR of Macedonia	..	..	5 267	5 641	5 450	4 829	3 617	3 563	4 304
Georgia	..	..	6 147	1 564	1 031	757	2 379	2 236	2 233
Gibraltar	49	54	79	125	145	177	224	254	..
Kazakhstan	..	..	80 013	43 793	59 991	74 624	97 020	94 642	..
Kosovo	..	..	..	2 905	4 346	5 011	5 979	5 736	5 741
Kyrgyzstan	..	..	5 746	2 106	2 103	992	1 930	1 768	..
Lithuania	..	..	10 920	2 271	3 418	3 833	2 254	1 207	..
Malta	365	527	1 100	1 917	2 240	2 113	1 203	723	1 472
Moldova	..	..	15 964	5 229	5 613	5 706	5 764	5 581	5 540
Montenegro	..	..	..	..	998	1 272	1 512	1 298	1 347
Romania	39 232	33 634	52 898	31 700	33 644	28 696	28 080	26 340	27 643
Russian Federation	..	..	797 804	579 072	625 969	695 935	698 401	704 199	707 786
Serbia	..	..	31 477	22 140	24 442	25 532	27 476	27 745	27 860
Tajikistan	..	..	1 646	222	123	35	162	600	981
Turkmenistan	..	..	13 910	9 845	12 820	16 660	22 534	22 534	..
Ukraine	..	..	211 933	82 648	84 756	86 285	66 902	72 641	59 470
Uzbekistan	..	..	49 677	40 985	40 570	40 854	45 450	46 489	..
Former Soviet Union	757 500	602 232	x	x	x	x	x	x	x
Former Yugoslavia	18 668	5 987	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	836 605	652 068	1 398 916	911 572	998 281	1 089 566	1 112 793	1 118 580	..
Algeria	2 054	6 866	15 969	25 358	33 360	45 560	68 576	70 663	..
Angola	170	80	116	533	567	1 746	4 572	4 546	..
Benin	9	10	21	82	106	114	323	335	..
Botswana	..	..	906	1 140	1 052	532	2 966	2 686	..
Cameroon	50	88	41	38	232	1 580	3 581	3 753	..
Congo	46	55	3	1	78	355	809	794	..
Côte d'Ivoire	628	397	661	3 036	4 134	4 278	7 254	8 551	..
Dem. Rep. of the Congo	80	202	25	3	7	86	16	14	..
Egypt	2 950	9 138	32 324	64 309	95 494	132 046	170 549	178 641	..
Eritrea	..	..	..	209	287	309	404	419	..
Ethiopia	258	205	140	23	12	31	4	4	..
Gabon	160	270	270	505	754	1 019	1 197	1 370	..
Ghana	38	41	-	614	1 159	3 171	5 643	7 435	..
Kenya	385	430	231	2 124	1 645	2 287	1 206	2 020	..
Libya	1 147	4 800	10 169	15 496	22 670	32 552	37 503	36 422	..
Mauritius	89	245	537	1 251	1 704	2 035	2 316	2 378	..
Morocco	1 683	2 710	8 408	12 081	18 105	19 545	25 108	25 776	26 745
Mozambique	450	80	170	44	21	19	2 706	3 123	..
Namibia	..	..	..	11	4	58	34	62	..
Niger	..	..	..	206	227	290	527	521	..
Nigeria	767	4 386	9 076	9 099	15 771	19 747	25 708	25 311	..
Senegal	404	636	901	1 444	2 081	2 657	3 706	3 981	..
South Africa	63 405	34	155 926	193 419	229 159	242 142	228 566	226 667	..
South Sudan	..	..	..	..	..	..	576	437	..
Sudan	183	245	557	1 386	2 565	1 297	4 627	6 378	..
Tanzania	286	108	79	337	1 777	2 548	4 244	4 586	..
Togo	63	13	63	75	113	82	20	23	..
Tunisia	1 106	2 900	5 765	10 509	12 474	15 707	18 904	19 002	..
Zambia	271	43	62	48	53	13	404	670	..
Zimbabwe	1 685	-	4 993	3 801	4 459	2 772	4 587	3 947	..
Other Africa	1 897	1 964	3 102	4 595	6 354	8 671	6 964	7 093	..
Africa	80 264	35 946	250 515	351 777	456 424	543 249	633 600	647 608	..

Excludes electricity production from waste.

1. Please refer to section 'Geographical coverage'.

Production of electricity from fossil fuels

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	1 073	1 770	6 848	15 022	25 698	40 061	58 287	63 591	..
Brunei Darussalam	246	343	1 172	2 543	3 264	3 792	4 198	4 269	..
Cambodia	..	..	..	447	905	945	2 356	2 930	..
DPR of Korea	7 100	427	12 100	9 200	9 780	8 264	3 737	4 126	..
India	41 421	9 389	214 903	475 360	579 318	795 637	1 120 967	1 199 493	..
Indonesia	1 340	6 157	25 834	78 434	110 178	142 842	209 052	216 761	..
Malaysia	3 665	8 653	19 027	62 289	77 481	117 304	135 175	135 571	..
Mongolia	..	..	3 348	2 942	3 415	4 271	5 293	5 447	..
Myanmar	245	662	1 285	3 226	3 019	2 438	6 571	8 123	..
Nepal	23	14	1	27	16	3	-	-	..
Pakistan	3 718	6 228	20 455	48 925	60 283	59 153	70 511	70 875	..
Philippines	11 311	12 229	14 368	25 865	38 259	49 920	61 450	68 818	..
Singapore	3 719	6 991	15 544	31 175	37 257	44 182	48 864	50 089	..
Sri Lanka	323	189	5	3 796	5 853	5 064	6 792	9 623	..
Chinese Taipei	17 336	25 532	49 148	135 786	176 187	193 461	207 860	216 499	..
Thailand	5 091	11 743	39 200	89 440	124 867	150 573	162 582	162 250	156 381
Viet Nam	1 930	650	3 312	12 010	36 661	67 248	100 104	100 467	..
Other Non-OECD Asia	3 582	4 843	3 810	5 566	7 855	7 432	11 166	17 013	..
Non-OECD Asia excl. China	102 123	95 820	430 360	1 002 053	1 300 296	1 692 590	2 214 965	2 335 945	..
People's Republic of China	130 689	84 181	494 480	1 113 413	2 042 927	3 332 623	4 264 019	4 422 641	4 583 853
Hong Kong, China	6 799	12 634	28 938	31 331	38 451	38 294	37 924	38 154	..
China	137 488	96 815	523 418	1 144 744	2 081 378	3 370 917	4 301 943	4 460 795	..
Argentina	23 610	21 330	25 476	53 251	63 252	82 285	97 027	98 862	..
Bolivia	187	524	1 099	1 881	2 876	4 476	6 445	7 349	..
Brazil	6 086	6 073	10 017	30 243	41 232	63 878	136 298	97 508	106 838
Colombia	3 688	4 385	8 586	10 555	9 982	16 567	28 102	26 221	..
Costa Rica	209	96	86	59	271	641	108	193	..
Cuba	4 927	8 938	13 484	13 999	14 854	16 833	19 487	19 648	..
Curaçao ¹	775	850	790	1 113	1 177	1 260	591	652	..
Dominican Republic	1 641	2 625	3 324	11 901	11 044	13 274	16 391	16 369	..
Ecuador	821	2 500	1 362	3 003	5 689	10 634	12 191	10 868	..
El Salvador	425	22	151	1 416	2 014	2 092	2 526	2 505	..
Guatemala	632	1 666	183	2 920	4 227	3 215	4 909	5 006	..
Haiti	26	82	123	264	291	410	955	1 013	..
Honduras	127	124	40	1 391	3 757	3 537	5 177	4 318	..
Jamaica	1 883	1 274	2 272	6 286	7 148	3 988	3 699	3 695	..
Nicaragua	299	473	563	1 848	1 995	2 305	2 286	2 195	..
Panama	1 075	826	392	1 445	2 080	3 167	3 570	3 634	..
Paraguay	36	67	7	-	-	1	1	1	..
Peru	1 661	2 936	3 203	3 587	7 071	15 174	22 808	25 818	..
Suriname	..	..	..	136	718	514	902	871	..
Trinidad and Tobago	1 076	2 009	3 546	5 439	7 036	8 485	10 300	10 712	..
Uruguay	986	1 112	376	502	960	1 361	940	443	..
Venezuela	10 220	21 216	22 338	22 385	28 155	36 985	47 822	44 944	..
Other Non-OECD Americas	14 162	16 706	20 625	30 631	34 844	34 461	32 788	33 387	..
Non-OECD Americas	74 552	95 834	118 043	204 255	250 673	325 543	455 323	416 212	..
Bahrain	500	1 660	7 989	13 859	19 373	23 824	28 484	28 510	..
Islamic Republic of Iran	9 251	16 760	53 019	117 682	161 917	223 260	263 393	265 775	..
Iraq	3 229	10 693	21 400	31 289	24 400	44 141	66 142	76 659	..
Jordan	315	1 070	3 626	7 333	9 589	14 704	18 830	18 803	..
Kuwait	3 651	9 023	18 477	32 323	43 734	57 029	68 288	70 092	..
Lebanon	1 313	1 902	1 000	9 226	11 293	14 873	17 989	18 308	..
Oman	47	818	4 501	9 111	12 663	19 819	32 758	34 210	..
Qatar	420	2 416	4 818	9 134	14 396	28 144	41 499	42 307	..
Saudi Arabia	2 949	20 452	69 208	126 191	176 124	240 067	338 341	344 808	..
Syrian Arab Republic	1 406	1 399	8 883	21 986	30 610	43 821	17 569	17 183	..
United Arab Emirates	720	6 306	17 080	39 944	60 698	97 728	127 070	129 240	..
Yemen	206	503	1 663	3 433	4 768	7 755	5 468	4 313	..
Middle East	24 007	73 002	211 664	421 511	569 565	815 165	1 025 831	1 050 208	..

Excludes electricity production from waste.

1. Please refer to section 'Geographical coverage'.

Production of nuclear electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	203 196	713 375	2 012 902	2 590 623	2 767 952	2 756 288	2 570 170	2 605 985	..
Non-OECD Total	14 700	92 707	283 449	341 486	416 352	467 917	599 211	640 534	..
OECD Total	188 496	620 668	1 729 453	2 249 137	2 351 600	2 288 371	1 970 959	1 965 451	1 950 916
Canada	15 254	38 032	72 967	72 799	92 040	90 658	101 809	101 143	99 376
Chile	-	-	-	-	-	-	-	-	-
Mexico	-	-	2 937	8 221	10 805	5 879	11 577	10 567	10 883
United States	89 167	266 183	611 589	797 718	810 726	838 931	830 288	839 918	838 861
OECD Americas	104 421	304 215	687 493	878 738	913 571	935 468	943 674	951 628	949 120
Australia	-	-	-	-	-	-	-	-	-
Israel ¹	-	-	-	-	-	-	-	-	-
Japan	9 707	82 591	202 272	322 049	304 755	288 230	9 437	18 060	32 912
Korea	-	3 477	52 887	108 964	146 779	148 596	164 762	161 995	148 427
New Zealand	-	-	-	-	-	-	-	-	-
OECD Asia Oceania	9 707	86 068	255 159	431 013	451 534	436 826	174 199	180 055	181 339
Austria	-	-	-	-	-	-	-	-	-
Belgium	76	12 549	42 722	48 157	47 595	47 944	26 103	43 523	42 227
Czech Republic	-	-	12 585	13 590	24 728	27 998	26 841	24 104	28 340
Denmark	-	-	-	-	-	-	-	-	-
Estonia	..	..	-	-	-	-	-	-	-
Finland	-	7 022	19 216	22 479	23 271	22 800	23 245	23 203	22 465
France	14 741	61 251	314 081	415 162	451 529	428 521	437 428	403 195	398 356
Germany	12 106	55 589	152 468	169 606	163 055	140 556	91 786	84 634	76 324
Greece	-	-	-	-	-	-	-	-	-
Hungary	-	-	13 731	14 180	13 834	15 761	15 834	16 054	16 098
Iceland	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-	-
Italy	3 142	2 208	-	-	-	-	-	-	-
Latvia	..	..	-	-	-	-	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-
Netherlands	1 108	4 200	3 502	3 926	3 997	3 969	4 077	3 960	3 402
Norway	-	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Slovak Republic	232	4 523	12 036	16 494	17 727	14 574	15 146	14 774	15 125
Slovenia	..	..	4 622	4 761	5 884	5 657	5 648	5 715	6 285
Spain	6 545	5 186	54 268	62 206	57 539	61 990	57 196	58 633	58 114
Sweden	2 111	26 488	68 185	57 316	72 377	57 828	56 348	63 101	63 009
Switzerland	6 310	14 346	23 636	26 446	23 341	26 339	23 089	21 146	20 376
Turkey	-	-	-	-	-	-	-	-	-
United Kingdom	27 997	37 023	65 749	85 063	81 618	62 140	70 345	71 726	70 336
OECD Europe	74 368	230 385	786 801	939 386	986 495	916 077	853 086	833 768	820 457
<i>IEA</i>	<i>188 496</i>	<i>620 668</i>	<i>1 724 831</i>	<i>2 244 376</i>	<i>2 345 716</i>	<i>2 282 714</i>	<i>1 965 311</i>	<i>1 959 736</i>	<i>1 944 631</i>
<i>IEA/Accession/Association</i>	<i>190 892</i>	<i>623 669</i>	<i>1 733 209</i>	<i>2 284 061</i>	<i>2 425 983</i>	<i>2 397 383</i>	<i>2 188 248</i>	<i>2 226 803</i>	..
<i>European Union - 28</i>	..	..	<i>794 863</i>	<i>944 993</i>	<i>997 699</i>	<i>916 610</i>	<i>857 020</i>	<i>839 684</i>	..
<i>G7</i>	<i>172 114</i>	<i>542 877</i>	<i>1 419 126</i>	<i>1 862 397</i>	<i>1 903 723</i>	<i>1 849 036</i>	<i>1 541 093</i>	<i>1 518 676</i>	<i>1 516 165</i>
<i>G8</i>	..	..	<i>1 537 431</i>	<i>1 993 112</i>	<i>2 053 169</i>	<i>2 019 451</i>	<i>1 736 563</i>	<i>1 715 290</i>	..
<i>G20</i>	..	..	<i>1 879 928</i>	<i>2 444 331</i>	<i>2 610 683</i>	<i>2 593 258</i>	<i>2 412 676</i>	<i>2 458 359</i>	..
<i>OPEC</i>	-	-	-	-	-	-	<i>2 914</i>	<i>6 620</i>	..

1. Please refer to section 'Geographical coverage'.

Production of nuclear electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	14 700	92 707	283 449	341 486	416 352	467 917	599 211	640 534	..
Albania	-	-	-	-	-	-	-	-	-
Armenia	..	..	-	2 005	2 716	2 490	2 788	2 380	2 526
Azerbaijan	..	..	-	-	-	-	-	-	-
Belarus	..	..	-	-	-	-	-	-	-
Bosnia and Herzegovina	..	..	-	-	-	-	-	-	-
Bulgaria	-	6 165	14 665	18 178	18 653	15 249	15 383	15 776	15 545
Croatia	..	..	-	-	-	-	-	-	-
Cyprus ¹	-	-	-	-	-	-	-	-	-
FYR of Macedonia	..	..	-	-	-	-	-	-	-
Georgia	..	..	-	-	-	-	-	-	-
Gibraltar	-	-	-	-	-	-	-	-	-
Kazakhstan	..	..	-	-	-	-	-	-	-
Kosovo	..	..	..	-	-	-	-	-	-
Kyrgyzstan	..	..	-	-	-	-	-	-	-
Lithuania	..	..	17 033	8 419	10 337	-	-	-	-
Malta	-	-	-	-	-	-	-	-	-
Moldova	..	..	-	-	-	-	-	-	-
Montenegro	..	..	..	..	-	-	-	-	-
Romania	-	-	-	5 456	5 555	11 623	11 640	11 286	11 509
Russian Federation	..	..	118 305	130 715	149 446	170 415	195 470	196 614	203 141
Serbia	..	..	-	-	-	-	-	-	-
Tajikistan	..	..	-	-	-	-	-	-	-
Turkmenistan	..	..	-	-	-	-	-	-	-
Ukraine	..	..	76 179	77 341	88 756	89 152	87 627	80 950	85 576
Uzbekistan	..	..	-	-	-	-	-	-	-
Former Soviet Union	12 000	73 000	x	x	x	x	x	x	x
Former Yugoslavia	-	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	12 000	79 165	226 182	242 114	275 463	288 929	312 908	307 006	..
Algeria	-	-	-	-	-	-	-	-	..
Angola	-	-	-	-	-	-	-	-	..
Benin	-	-	-	-	-	-	-	-	..
Botswana	..	..	-	-	-	-	-	-	..
Cameroon	-	-	-	-	-	-	-	-	..
Congo	-	-	-	-	-	-	-	-	..
Côte d'Ivoire	-	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	-	-	-	-	-	-	-	-	..
Egypt	-	-	-	-	-	-	-	-	..
Eritrea	..	..	..	-	-	-	-	-	..
Ethiopia	-	-	-	-	-	-	-	-	..
Gabon	-	-	-	-	-	-	-	-	..
Ghana	-	-	-	-	-	-	-	-	..
Kenya	-	-	-	-	-	-	-	-	..
Libya	-	-	-	-	-	-	-	-	..
Mauritius	-	-	-	-	-	-	-	-	..
Morocco	-	-	-	-	-	-	-	-	..
Mozambique	-	-	-	-	-	-	-	-	..
Namibia	..	..	..	-	-	-	-	-	..
Niger	..	..	..	-	-	-	-	-	..
Nigeria	-	-	-	-	-	-	-	-	..
Senegal	-	-	-	-	-	-	-	-	..
South Africa	-	-	8 449	13 010	11 293	12 099	12 237	15 026	..
South Sudan	..	..	..	..	..	..	-	-	..
Sudan	-	-	-	-	-	-	-	-	..
Tanzania	-	-	-	-	-	-	-	-	..
Togo	-	-	-	-	-	-	-	-	..
Tunisia	-	-	-	-	-	-	-	-	..
Zambia	-	-	-	-	-	-	-	-	..
Zimbabwe	-	-	-	-	-	-	-	-	..
Other Africa	-	-	-	-	-	-	-	-	..
Africa	-	-	8 449	13 010	11 293	12 099	12 237	15 026	..

1. Please refer to section 'Geographical coverage'.

Production of nuclear electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	-	-	-	-	-	-	-	-	..
Brunei Darussalam	-	-	-	-	-	-	-	-	..
Cambodia	..	..	..	-	-	-	-	-	..
DPR of Korea	-	-	-	-	-	-	-	-	..
India	2 396	3 001	6 141	16 902	17 324	26 266	37 414	37 916	..
Indonesia	-	-	-	-	-	-	-	-	..
Malaysia	-	-	-	-	-	-	-	-	..
Mongolia	..	..	-	-	-	-	-	-	..
Myanmar	-	-	-	-	-	-	-	-	..
Nepal	-	-	-	-	-	-	-	-	..
Pakistan	304	2	293	1 997	2 484	3 420	4 605	4 869	..
Philippines	-	-	-	-	-	-	-	-	..
Singapore	-	-	-	-	-	-	-	-	..
Sri Lanka	-	-	-	-	-	-	-	-	..
Chinese Taipei	-	8 199	32 866	38 503	39 972	41 629	36 471	31 661	..
Thailand	-	-	-	-	-	-	-	-	..
Viet Nam	-	-	-	-	-	-	-	-	..
Other Non-OECD Asia	-	-	-	-	-	-	-	-	..
Non-OECD Asia excl. China	2 700	11 202	39 300	57 402	59 780	71 315	78 490	74 446	..
People's Republic of China	-	-	-	16 737	53 088	73 880	170 789	213 287	248 070
Hong Kong, China	-	-	-	-	-	-	-	-	..
China	-	-	-	16 737	53 088	73 880	170 789	213 287	..
Argentina	-	2 340	7 281	6 177	6 873	7 171	7 139	8 285	..
Bolivia	-	-	-	-	-	-	-	-	..
Brazil	-	-	2 237	6 046	9 855	14 523	14 734	15 864	15 739
Colombia	-	-	-	-	-	-	-	-	..
Costa Rica	-	-	-	-	-	-	-	-	..
Cuba	-	-	-	-	-	-	-	-	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	-	-	-	-	-	-	-	-	..
Ecuador	-	-	-	-	-	-	-	-	..
El Salvador	-	-	-	-	-	-	-	-	..
Guatemala	-	-	-	-	-	-	-	-	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	-	-	-	-	-	-	-	-	..
Jamaica	-	-	-	-	-	-	-	-	..
Nicaragua	-	-	-	-	-	-	-	-	..
Panama	-	-	-	-	-	-	-	-	..
Paraguay	-	-	-	-	-	-	-	-	..
Peru	-	-	-	-	-	-	-	-	..
Suriname	..	..	..	-	-	-	-	-	..
Trinidad and Tobago	-	-	-	-	-	-	-	-	..
Uruguay	-	-	-	-	-	-	-	-	..
Venezuela	-	-	-	-	-	-	-	-	..
Other Non-OECD Americas	-	-	-	-	-	-	-	-	..
Non-OECD Americas	-	2 340	9 518	12 223	16 728	21 694	21 873	24 149	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	-	-	-	-	-	-	2 914	6 620	..
Iraq	-	-	-	-	-	-	-	-	..
Jordan	-	-	-	-	-	-	-	-	..
Kuwait	-	-	-	-	-	-	-	-	..
Lebanon	-	-	-	-	-	-	-	-	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	-	-	..
Syrian Arab Republic	-	-	-	-	-	-	-	-	..
United Arab Emirates	-	-	-	-	-	-	-	-	..
Yemen	-	-	-	-	-	-	-	-	..
Middle East	-	-	-	-	-	-	2 914	6 620	..

1. Please refer to section 'Geographical coverage'.

Production of hydro electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	1 295 858	1 732 586	2 193 299	2 700 010	3 018 812	3 532 384	3 992 519	4 170 035	..
Non-OECD Total	364 706	624 315	962 832	1 286 353	1 642 767	2 109 619	2 549 820	2 693 608	..
OECD Total	931 152	1 108 271	1 230 467	1 413 657	1 376 045	1 422 765	1 442 699	1 476 427	1 466 049
Canada	194 771	251 249	296 848	358 620	362 031	351 461	382 293	387 208	394 530
Chile	5 595	7 871	8 928	18 516	26 483	21 717	23 881	23 274	22 034
Mexico	16 189	16 886	23 478	33 133	27 709	37 131	30 815	30 698	30 078
United States	265 384	278 781	288 960	279 986	297 926	286 333	271 129	292 113	325 129
OECD Americas	481 939	554 787	618 214	690 255	714 149	696 642	708 118	733 293	771 771
Australia	11 800	13 781	14 880	16 720	15 612	13 549	13 445	15 318	16 531
Israel ¹	-	-	3	31	28	31	24	c	c
Japan	71 678	92 092	97 033	96 817	86 350	90 682	91 270	85 083	88 311
Korea	1 284	1 984	6 361	5 610	5 189	6 472	5 796	6 634	6 980
New Zealand	14 316	18 928	23 183	24 433	23 097	24 481	24 355	25 730	24 971
OECD Asia Oceania	99 078	126 785	141 460	143 611	130 276	135 215	134 890	132 765	136 793
Austria	19 159	29 090	32 507	43 219	39 438	41 558	40 592	42 919	42 572
Belgium	623	829	897	1 699	1 604	1 668	1 418	1 489	1 402
Czech Republic	1 081	2 399	1 449	2 313	3 027	3 380	3 071	3 202	3 039
Denmark	24	30	28	30	23	21	18	19	15
Estonia	..	..	-	5	22	27	27	35	30
Finland	10 515	10 216	10 859	14 660	13 784	12 922	16 769	15 799	14 796
France	47 708	70 187	57 418	71 133	56 332	67 526	59 401	64 889	54 365
Germany	16 784	20 307	19 791	25 962	26 417	27 353	24 898	26 135	26 151
Greece	2 223	3 405	1 997	4 111	5 610	7 485	6 150	5 565	4 053
Hungary	101	112	178	178	202	188	234	259	220
Iceland	2 207	3 087	4 204	6 356	7 019	12 592	13 781	13 470	14 059
Ireland	644	1 155	983	1 150	975	776	1 095	973	895
Italy	39 125	47 511	35 079	50 899	42 927	54 406	46 970	44 257	37 935
Latvia	..	..	4 496	2 819	3 326	3 520	1 860	2 530	4 381
Luxembourg	839	290	823	871	878	1 468	1 530	1 528	1 422
Netherlands	-	-	85	142	88	105	93	100	61
Norway	72 893	83 962	121 382	142 289	136 452	117 152	138 450	144 005	142 993
Poland	1 850	3 279	3 313	4 116	3 778	3 488	2 435	2 622	3 030
Portugal	7 354	8 072	9 303	11 715	5 118	16 547	9 799	16 909	7 501
Slovak Republic	1 322	2 366	2 515	4 975	4 741	5 649	4 137	4 606	4 772
Slovenia	..	..	2 950	3 834	3 461	4 703	4 091	4 782	4 141
Spain	29 524	30 807	26 184	31 807	23 025	45 511	31 368	39 865	20 974
Sweden	59 892	59 247	73 033	78 619	72 874	66 501	75 439	62 137	64 611
Switzerland	29 110	33 877	30 982	38 230	33 086	37 825	39 881	36 689	37 033
Turkey	2 603	11 348	23 148	30 879	39 561	51 796	67 146	67 231	58 219
United Kingdom	4 554	5 123	7 189	7 780	7 852	6 741	9 038	8 354	8 815
OECD Europe	350 135	426 699	470 793	579 791	531 620	590 908	599 691	610 369	557 485
<i>IEA</i>	<i>923 350</i>	<i>1 097 313</i>	<i>1 209 886</i>	<i>1 382 101</i>	<i>1 335 728</i>	<i>1 380 202</i>	<i>1 399 062</i>	<i>1 432 371</i>	<i>1 421 434</i>
<i>IEA/Accession/Association</i>	<i>1 057 916</i>	<i>1 342 991</i>	<i>1 635 801</i>	<i>2 018 656</i>	<i>2 222 544</i>	<i>2 678 081</i>	<i>3 069 330</i>	<i>3 195 478</i>	..
<i>European Union - 28</i>	..	..	308 897	386 881	348 400	408 006	371 167	380 180	..
<i>G7</i>	<i>640 004</i>	<i>765 250</i>	<i>802 318</i>	<i>891 197</i>	<i>879 835</i>	<i>884 502</i>	<i>884 999</i>	<i>908 039</i>	<i>935 236</i>
<i>G8</i>	..	..	968 235	1 056 572	1 054 439	1 052 899	1 054 913	1 094 679	..
<i>G20</i>	..	..	1 657 306	2 018 091	2 248 953	2 719 806	3 084 587	3 224 081	..
<i>OPEC</i>	<i>13 221</i>	<i>25 664</i>	<i>56 605</i>	<i>82 167</i>	<i>117 566</i>	<i>110 867</i>	<i>116 605</i>	<i>115 830</i>	..

Includes electricity from hydro pumped storage.

1. Please refer to section 'Geographical coverage'.

Production of hydro electricity

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	364 706	624 315	962 832	1 286 353	1 642 767	2 109 619	2 549 820	2 693 608	..
Albania	1 127	2 950	2 848	4 594	5 373	7 567	5 895	7 782	4 525
Armenia	..	..	1 555	1 261	1 773	2 556	2 206	2 351	2 495
Azerbaijan	..	..	1 658	1 534	3 009	3 446	1 637	1 959	1 746
Belarus	..	..	20	27	36	45	107	142	140
Bosnia and Herzegovina	..	..	3 058	5 094	5 998	8 026	5 551	5 641	3 831
Bulgaria	2 570	3 713	1 878	2 951	4 730	5 693	6 147	4 568	3 465
Croatia	..	..	4 117	6 471	7 141	9 232	6 556	7 058	5 513
Cyprus ¹	-	-	-	-	-	-	-	-	-
FYR of Macedonia	..	..	491	1 170	1 492	2 431	1 865	1 897	1 110
Georgia	..	..	7 577	5 860	6 236	9 367	8 454	9 329	9 210
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	7 366	7 531	7 856	8 022	9 269	11 621	..
Kosovo	..	..	..	52	112	156	140	245	180
Kyrgyzstan	..	..	9 986	12 825	12 788	11 108	11 100	11 494	..
Lithuania	..	..	414	644	820	1 295	1 024	1 044	..
Malta	-	-	-	-	-	-	-	-	-
Moldova	..	..	257	377	377	407	308	227	236
Montenegro	..	..	..	..	1 866	2 750	1 491	1 843	962
Romania	7 547	12 637	11 411	14 778	20 207	20 243	17 007	18 536	14 707
Russian Federation	..	..	165 917	165 375	174 604	168 397	169 914	186 640	187 091
Serbia	..	..	9 471	12 000	12 032	12 571	10 783	11 520	9 356
Tajikistan	..	..	16 500	14 025	16 967	16 400	17 000	16 632	17 133
Turkmenistan	..	..	700	-	-	-	-	-	..
Ukraine	..	..	10 723	11 450	12 505	13 152	6 971	9 304	10 496
Uzbekistan	..	..	6 648	5 879	8 630	10 846	11 830	11 830	..
Former Soviet Union	122 300	184 713	x	x	x	x	x	x	x
Former Yugoslavia	16 394	28 161	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	149 938	232 174	262 595	273 898	304 552	313 710	295 255	321 663	..
Algeria	752	257	135	54	555	174	145	218	..
Angola	814	595	725	912	2 219	3 703	5 193	5 815	..
Benin	-	-	-	2	1	-	14	15	..
Botswana	..	..	-	-	-	-	-	-	..
Cameroon	1 068	1 365	2 656	3 442	3 772	4 260	4 359	4 611	..
Congo	50	100	490	295	355	429	925	959	..
Côte d'Ivoire	168	1 352	1 322	1 764	1 437	1 618	1 352	1 529	..
Dem. Rep. of the Congo	3 768	4 243	5 625	5 979	7 367	7 819	8 916	9 099	..
Egypt	5 156	9 801	9 932	13 697	12 644	13 046	13 545	13 460	..
Eritrea	..	..	..	-	-	-	-	-	..
Ethiopia	333	484	1 062	1 646	2 833	4 931	9 674	10 406	..
Gabon	5	260	705	803	812	907	918	953	..
Ghana	3 872	5 276	5 721	6 609	5 629	6 996	5 845	5 561	..
Kenya	408	1 060	2 477	1 325	3 026	3 427	3 787	3 341	..
Libya	-	-	-	-	-	-	-	-	..
Mauritius	74	83	85	96	115	101	122	100	..
Morocco	1 192	1 515	1 220	718	1 426	3 631	2 281	1 662	1 565
Mozambique	191	301	284	9 652	13 264	16 647	17 207	15 609	..
Namibia	..	..	..	1 396	1 656	1 247	1 502	1 359	..
Niger	..	..	..	-	-	-	-	-	..
Nigeria	1 858	2 783	4 387	5 628	7 768	6 374	5 718	5 586	..
Senegal	-	-	-	-	267	253	333	360	..
South Africa	985	992	2 851	3 934	4 199	5 067	3 720	3 994	..
South Sudan	..	..	..	..	..	..	-	-	..
Sudan	427	572	958	1 183	1 261	6 202	8 420	8 051	..
Tanzania	296	684	1 549	2 135	1 778	2 701	2 108	2 366	..
Togo	38	38	95	100	74	93	56	204	..
Tunisia	73	24	46	64	145	50	69	45	..
Zambia	3 097	9 194	7 951	7 750	8 883	10 435	13 037	11 025	..
Zimbabwe	3 487	4 008	4 369	3 194	4 915	5 799	4 990	2 987	..
Other Africa	2 015	2 413	3 518	5 360	6 101	7 057	10 328	10 620	..
Africa	30 127	47 400	58 163	77 738	92 502	112 967	124 564	119 935	..

Includes electricity from hydro pumped storage.

1. Please refer to section 'Geographical coverage'.

Production of hydro electricity

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	331	583	884	749	749	729	566	566	..
Brunei Darussalam	-	-	-	-	-	-	-	-	..
Cambodia	..	..	..	-	44	32	2 000	2 619	..
DPR of Korea	9 480	10 600	15 600	10 200	13 132	13 400	10 000	12 800	..
India	28 979	46 557	71 656	74 462	107 910	124 077	135 609	137 533	..
Indonesia	1 030	1 345	5 708	10 016	10 725	17 456	13 741	19 370	..
Malaysia	1 108	1 396	3 989	6 966	5 191	6 472	13 924	20 019	..
Mongolia	..	..	-	4	4	35	59	59	..
Myanmar	576	796	1 193	1 892	2 997	5 105	9 399	9 744	..
Nepal	81	203	877	1 632	2 517	3 205	3 453	4 237	..
Pakistan	4 355	8 714	16 925	17 194	30 862	31 811	34 633	36 621	..
Philippines	1 875	3 522	6 062	7 799	8 387	7 803	8 665	8 111	..
Singapore	-	-	-	-	-	-	-	-	..
Sri Lanka	708	1 479	3 145	3 197	3 451	5 634	5 969	4 221	..
Chinese Taipei	3 399	2 926	8 188	8 878	7 825	7 255	7 505	9 856	..
Thailand	1 880	1 273	4 975	6 026	5 798	5 537	4 743	6 983	4 825
Viet Nam	420	1 488	5 369	14 551	16 945	27 550	56 123	64 103	..
Other Non-OECD Asia	1 104	2 305	4 592	8 002	8 636	13 247	24 913	25 277	..
Non-OECD Asia excl. China	55 326	83 187	149 163	171 568	225 173	269 348	331 302	362 119	..
People's Republic of China	38 000	58 210	126 720	222 414	397 017	722 172	1 130 270	1 193 374	1 189 840
Hong Kong, China	-	-	-	-	-	-	-	-	..
China	38 000	58 210	126 720	222 414	397 017	722 172	1 130 270	1 193 374	..
Argentina	2 994	15 144	18 141	28 841	34 263	33 918	38 529	37 794	..
Bolivia	972	1 063	1 180	1 945	1 964	2 182	2 463	1 720	..
Brazil	57 890	128 907	206 708	304 403	337 457	403 289	359 743	380 911	370 906
Colombia	7 939	14 285	27 497	32 074	39 803	40 401	48 568	48 966	..
Costa Rica	1 131	2 120	3 382	5 684	6 566	7 262	8 067	8 026	..
Cuba	62	97	91	89	68	97	48	64	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	530	558	349	1 167	2 371	1 771	1 182	1 898	..
Ecuador	435	872	4 987	7 609	6 883	8 636	13 096	15 833	..
El Salvador	492	946	1 648	1 175	1 669	2 084	1 353	1 261	..
Guatemala	233	234	1 718	2 522	2 939	3 849	3 911	4 032	..
Haiti	84	220	457	283	265	177	83	71	..
Honduras	359	782	2 279	2 260	1 718	3 080	2 340	2 350	..
Jamaica	99	120	88	115	152	152	129	119	..
Nicaragua	371	514	403	210	433	504	295	426	..
Panama	102	964	2 213	3 418	3 724	4 194	6 257	6 523	..
Paraguay	302	659	27 159	53 492	51 166	54 065	55 743	63 770	..
Peru	4 769	7 010	10 469	16 168	18 079	20 042	23 711	24 158	..
Suriname	..	..	..	1 036	800	1 210	1 356	1 151	..
Trinidad and Tobago	-	-	-	-	-	-	-	-	..
Uruguay	1 556	3 479	7 009	7 051	6 683	8 666	8 266	7 842	..
Venezuela	6 225	14 587	36 983	62 886	77 229	76 780	74 899	67 633	..
Other Non-OECD Americas	1 143	1 062	1 508	313	1 763	1 278	809	824	..
Non-OECD Americas	87 688	193 623	354 269	532 741	595 995	673 637	650 848	675 372	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	2 842	5 620	6 083	3 664	16 100	9 526	14 090	16 421	..
Iraq	290	690	2 600	611	6 000	4 767	2 546	3 371	..
Jordan	-	-	11	39	57	61	53	42	..
Kuwait	-	-	-	-	-	-	-	-	..
Lebanon	478	850	500	449	1 046	839	479	382	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	-	-	..
Syrian Arab Republic	17	2 561	2 728	3 231	4 325	2 592	413	929	..
United Arab Emirates	-	-	-	-	-	-	-	-	..
Yemen	-	-	-	-	-	-	-	-	..
Middle East	3 627	9 721	11 922	7 994	27 528	17 785	17 581	21 145	..

Includes electricity from hydro pumped storage.

1. Please refer to section 'Geographical coverage'.

Production of geothermal electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	6 630	13 644	36 425	51 990	58 283	68 120	80 471	81 656	..
Non-OECD Total	-	2 569	7 811	19 014	20 672	24 663	30 011	30 463	..
OECD Total	6 630	11 075	28 614	32 976	37 611	43 457	50 460	51 193	51 982
Canada	-	-	-	-	-	-	-	-	-
Chile	-	-	-	-	-	-	-	-	64
Mexico	161	915	5 124	5 901	7 299	6 618	6 331	6 148	5 925
United States	2 451	5 352	16 012	14 621	16 778	17 577	18 727	18 584	18 142
OECD Americas	2 612	6 267	21 136	20 522	24 077	24 195	25 058	24 732	24 131
Australia	-	-	-	-	-	1	1	-	-
Israel ¹	-	-	-	-	-	-	-	-	-
Japan	269	900	1 741	3 348	3 226	2 647	2 595	2 509	2 451
Korea	-	-	-	-	-	-	-	-	-
New Zealand	1 243	1 185	2 131	2 922	3 159	5 879	7 855	7 425	7 502
OECD Asia Oceania	1 512	2 085	3 872	6 270	6 385	8 527	10 451	9 934	9 953
Austria	-	-	-	-	2	1	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Estonia	..	..	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	4	8
Germany	-	-	-	-	-	28	134	175	185
Greece	-	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	-	-	-	-	-
Iceland	26	50	300	1 323	1 658	4 465	5 003	5 068	5 170
Ireland	-	-	-	-	-	-	-	-	-
Italy	2 480	2 672	3 222	4 705	5 324	5 376	6 185	6 289	6 201
Latvia	..	..	-	-	-	-	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-	-
Portugal	-	1	4	80	71	197	204	172	206
Slovak Republic	-	-	-	-	-	-	-	-	-
Slovenia	..	..	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Switzerland	-	-	-	-	-	-	-	-	-
Turkey	-	-	80	76	94	668	3 425	4 819	6 128
United Kingdom	-	-	-	-	-	-	-	-	-
OECD Europe	2 506	2 723	3 606	6 184	7 149	10 735	14 951	16 527	17 898
<i>IEA</i>	<i>6 604</i>	<i>11 025</i>	<i>28 314</i>	<i>31 653</i>	<i>35 953</i>	<i>38 992</i>	<i>45 457</i>	<i>46 125</i>	<i>46 748</i>
<i>IEA/Accession/Association</i>	<i>6 604</i>	<i>11 025</i>	<i>29 497</i>	<i>36 633</i>	<i>42 674</i>	<i>48 476</i>	<i>55 631</i>	<i>56 907</i>	<i>..</i>
<i>European Union - 28</i>	<i>..</i>	<i>..</i>	<i>3 226</i>	<i>4 785</i>	<i>5 397</i>	<i>5 602</i>	<i>6 523</i>	<i>6 640</i>	<i>..</i>
<i>G7</i>	<i>5 200</i>	<i>8 924</i>	<i>20 975</i>	<i>22 674</i>	<i>25 328</i>	<i>25 628</i>	<i>27 641</i>	<i>27 561</i>	<i>26 987</i>
<i>G8</i>	<i>..</i>	<i>..</i>	<i>21 003</i>	<i>22 732</i>	<i>25 738</i>	<i>26 133</i>	<i>28 098</i>	<i>28 007</i>	<i>..</i>
<i>G20</i>	<i>..</i>	<i>..</i>	<i>27 393</i>	<i>33 767</i>	<i>39 923</i>	<i>43 100</i>	<i>48 232</i>	<i>49 927</i>	<i>..</i>
<i>OPEC</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>..</i>

1. Please refer to section 'Geographical coverage'.

Production of geothermal electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	-	2 569	7 811	19 014	20 672	24 663	30 011	30 463	..
Albania	-	-	-	-	-	-	-	-	-
Armenia	-	-	-	-	-	-	-
Azerbaijan	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-
Bosnia and Herzegovina	-	-	-	-	-	-	-
Bulgaria	-	-	-	-	-	-	-	-	-
Croatia	-	-	-	-	-	-	-
Cyprus ¹	-	-	-	-	-	-	-	-	-
FYR of Macedonia	-	-	-	-	-	-	-
Georgia	-	-	-	-	-	-	-
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	-	-	-	-	-	-	..
Kosovo	-	-	-	-	-	-
Kyrgyzstan	-	-	-	-	-	-	..
Lithuania	-	-	-	-	-	-	..
Malta	-	-	-	-	-	-	-	-	-
Moldova	-	-	-	-	-	-	-
Montenegro	-	-	-	-	-
Romania	-	-	-	-	-	-	-	-	-
Russian Federation	28	58	410	505	457	446	435
Serbia	-	-	-	-	-	-	-
Tajikistan	-	-	-	-	-	-	-
Turkmenistan	-	-	-	-	-	-	..
Ukraine	-	-	-	-	-	-	-
Uzbekistan	-	-	-	-	-	-	..
Former Soviet Union	-	-	x	x	x	x	x	x	x
Former Yugoslavia	-	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	-	-	28	58	410	505	457	446	..
Algeria	-	-	-	-	-	-	-	-	..
Angola	-	-	-	-	-	-	-	-	..
Benin	-	-	-	-	-	-	-	-	..
Botswana	-	-	-	-	-	-	..
Cameroon	-	-	-	-	-	-	-	-	..
Congo	-	-	-	-	-	-	-	-	..
Côte d'Ivoire	-	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	-	-	-	-	-	-	-	-	..
Egypt	-	-	-	-	-	-	-	-	..
Eritrea	-	-	-	-	-	..
Ethiopia	-	-	-	5	-	18	-	-	..
Gabon	-	-	-	-	-	-	-	-	..
Ghana	-	-	-	-	-	-	-	-	..
Kenya	-	-	326	429	1 003	1 453	4 479	4 204	..
Libya	-	-	-	-	-	-	-	-	..
Mauritius	-	-	-	-	-	-	-	-	..
Morocco	-	-	-	-	-	-	-	-	..
Mozambique	-	-	-	-	-	-	-	-	..
Namibia	-	-	-	-	-	..
Niger	-	-	-	-	-	..
Nigeria	-	-	-	-	-	-	-	-	..
Senegal	-	-	-	-	-	-	-	-	..
South Africa	-	-	-	-	-	-	-	-	..
South Sudan	-	-	..
Sudan	-	-	-	-	-	-	-	-	..
Tanzania	-	-	-	-	-	-	-	-	..
Togo	-	-	-	-	-	-	-	-	..
Tunisia	-	-	-	-	-	-	-	-	..
Zambia	-	-	-	-	-	-	-	-	..
Zimbabwe	-	-	-	-	-	-	-	-	..
Other Africa	-	-	-	-	-	-	-	-	..
Africa	-	-	326	434	1 003	1 471	4 479	4 204	..

1. Please refer to section 'Geographical coverage'.

Production of geothermal electricity

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	-	-	-	-	-	-	-	-	..
Brunei Darussalam	-	-	-	-	-	-	-	-	..
Cambodia	-	-	-	-	-	..
DPR of Korea	-	-	-	-	-	-	-	-	..
India	-	-	-	-	-	-	-	-	..
Indonesia	-	-	1 125	4 869	6 604	9 357	10 048	10 656	..
Malaysia	-	-	-	-	-	-	-	-	..
Mongolia	-	-	-	-	-	-	..
Myanmar	-	-	-	-	-	-	-	-	..
Nepal	-	-	-	-	-	-	-	-	..
Pakistan	-	-	-	-	-	-	-	-	..
Philippines	-	2 077	5 466	11 626	9 902	9 929	11 044	11 070	..
Singapore	-	-	-	-	-	-	-	-	..
Sri Lanka	-	-	-	-	-	-	-	-	..
Chinese Taipei	-	-	3	-	-	-	-	-	..
Thailand	-	-	1	2	2	2	1	1	..
Viet Nam	-	-	-	-	-	-	-	-	..
Other Non-OECD Asia	-	-	-	-	-	-	-	-	..
Non-OECD Asia excl. China	-	2 077	6 595	16 497	16 508	19 288	21 093	21 727	..
People's Republic of China	-	-	57	109	115	125	125	125	..
Hong Kong, China	-	-	-	-	-	-	-	-	..
China	-	-	57	109	115	125	125	125	..
Argentina	-	-	-	-	-	-	-	-	..
Bolivia	-	-	-	-	-	-	-	-	..
Brazil	-	-	-	-	-	-	-	-	..
Colombia	-	-	-	-	-	-	-	-	..
Costa Rica	-	-	-	976	1 148	1 176	1 375	1 340	..
Cuba	-	-	-	-	-	-	-	-	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	-	-	-	-	-	-	-	-	..
Ecuador	-	-	-	-	-	-	-	-	..
El Salvador	-	492	419	786	1 051	1 525	1 540	1 576	..
Guatemala	-	-	-	20	166	271	264	339	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	-	-	-	-	-	-	-	-	..
Jamaica	-	-	-	-	-	-	-	-	..
Nicaragua	-	-	386	134	271	302	678	706	..
Panama	-	-	-	-	-	-	-	-	..
Paraguay	-	-	-	-	-	-	-	-	..
Peru	-	-	-	-	-	-	-	-	..
Suriname	-	-	-	-	-	..
Trinidad and Tobago	-	-	-	-	-	-	-	-	..
Uruguay	-	-	-	-	-	-	-	-	..
Venezuela	-	-	-	-	-	-	-	-	..
Other Non-OECD Americas	-	-	-	-	-	-	-	-	..
Non-OECD Americas	-	492	805	1 916	2 636	3 274	3 857	3 961	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	-	-	-	-	-	-	-	-	..
Iraq	-	-	-	-	-	-	-	-	..
Jordan	-	-	-	-	-	-	-	-	..
Kuwait	-	-	-	-	-	-	-	-	..
Lebanon	-	-	-	-	-	-	-	-	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	-	-	..
Syrian Arab Republic	-	-	-	-	-	-	-	-	..
United Arab Emirates	-	-	-	-	-	-	-	-	..
Yemen	-	-	-	-	-	-	-	-	..
Middle East	-	-	-	-	-	-	-	-	..

1. Please refer to section 'Geographical coverage'.

Production of solar electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	-	-	750	1 516	4 501	33 835	259 833	338 512	..
Non-OECD Total	-	-	2	255	361	1 492	69 351	108 810	..
OECD Total	-	-	748	1 261	4 140	32 343	190 482	229 702	280 087
Canada	-	-	-	16	17	255	2 895	3 031	3 292
Chile	-	-	-	-	-	-	1 261	2 639	3 896
Mexico	-	-	1	7	9	31	246	252	360
United States	-	-	666	709	1 120	3 942	35 635	50 334	73 879
OECD Americas	-	-	667	732	1 146	4 228	40 037	56 256	81 427
Australia	-	-	-	38	79	389	5 023	6 209	8 072
Israel ¹	-	-	-	-	-	70	1 115	1 544	1 557
Japan	-	-	67	357	1 420	3 543	34 802	50 952	61 261
Korea	-	-	1	5	15	772	3 975	5 123	6 975
New Zealand	-	-	-	-	-	4	34	52	72
OECD Asia Oceania	-	-	68	400	1 514	4 778	44 949	63 880	77 937
Austria	-	-	-	3	21	89	937	1 096	1 248
Belgium	-	-	-	-	1	560	3 053	3 086	3 046
Czech Republic	-	-	-	-	-	616	2 264	2 131	2 188
Denmark	-	-	-	1	2	6	604	744	789
Estonia	-	-	-	-	-	-	-
Finland	-	-	-	2	3	5	9	17	27
France	-	-	-	5	11	620	7 262	8 160	9 163
Germany	-	-	1	60	1 282	11 729	38 726	38 098	39 895
Greece	-	-	-	-	1	158	3 900	3 930	3 992
Hungary	-	-	-	-	-	1	123	201	354
Iceland	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	2	4	5
Italy	-	-	4	18	31	1 906	22 942	22 104	25 207
Latvia	-	-	-	-	-	-	..
Luxembourg	-	-	-	-	18	21	104	100	102
Netherlands	-	-	-	8	35	56	1 122	1 560	2 099
Norway	-	-	-
Poland	-	-	-	-	-	-	57	124	167
Portugal	-	-	1	1	3	211	796	822	971
Slovak Republic	-	-	-	-	-	17	506	533	592
Slovenia	-	-	-	13	274	267	284
Spain	-	-	6	18	41	7 186	13 859	13 649	14 397
Sweden	-	-	-	1	2	9	97	143	229
Switzerland	-	-	1	11	21	94	1 119	1 333	1 600
Turkey	-	-	-	-	-	-	194	1 043	2 889
United Kingdom	-	-	-	1	8	40	7 546	10 421	11 479
OECD Europe	-	-	13	129	1 480	23 337	105 496	109 566	120 723
<i>IEA</i>	-	-	748	1 261	4 140	32 260	187 832	225 252	274 350
<i>IEA/Accession/Association</i>	-	-	750	1 285	4 227	33 100	246 891	321 326	..
<i>European Union - 28</i>	12	118	1 460	23 266	107 897	110 799	..
<i>G7</i>	-	-	738	1 166	3 889	22 035	149 808	183 100	224 176
<i>G8</i>	738	1 166	3 889	22 035	150 143	183 562	..
<i>G20</i>	749	1 274	4 207	33 013	248 743	320 842	..
<i>OPEC</i>	-	-	-	-	2	6	402	499	..

1. Please refer to section 'Geographical coverage'.

Production of solar electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	-	-	2	255	361	1 492	69 351	108 810	..
Albania	-	-	-	-	-	-	-	-	-
Armenia	-	-	-	-	1	1	1
Azerbaijan	-	-	-	-	5	35	37
Belarus	-	-	-	-	8	28	28
Bosnia and Herzegovina	-	-	-	-	-	24	24
Bulgaria	-	-	-	-	-	15	1 383	1 386	1 390
Croatia	-	-	-	-	57	66	79
Cyprus ¹	-	-	-	-	1	7	126	146	161
FYR of Macedonia	-	-	-	-	23	24	24
Georgia	-	-	-	-	-	-	-
Gibraltar	-	-	-	-	-	-	-
Kazakhstan	-	-	-	-	47	89	..
Kosovo	-	-	-	-	-	-
Kyrgyzstan	-	-	-	-	-	-	..
Lithuania	-	-	-	-	73	66	..
Malta	-	-	-	-	-	1	93	125	155
Moldova	-	-	-	-	2	2	2
Montenegro	-	-	-	-	-	-
Romania	-	-	-	-	-	-	1 982	1 820	1 882
Russian Federation	-	-	-	-	335	462	544
Serbia	-	-	-	-	11	12	13
Tajikistan	-	-	-	-	-	-	-
Turkmenistan	-	-	-	-	-	-	..
Ukraine	-	-	-	-	477	491	484
Uzbekistan	-	-	-	-	-	-	..
Former Soviet Union	-	-	x	x	x	x	x	x	x
Former Yugoslavia	-	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	-	-	-	-	1	23	4 623	4 777	..
Algeria	-	-	-	-	-	-	58	87	..
Angola	-	-	-	-	-	-	-	-	..
Benin	-	-	-	-	-	-	5	5	..
Botswana	-	-	-	-	2	2	..
Cameroon	-	-	-	-	-	-	-	-	..
Congo	-	-	-	-	-	-	-	-	..
Côte d'Ivoire	-	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	-	-	-	-	-	-	-	-	..
Egypt	-	-	-	-	-	206	168	168	..
Eritrea	1	1	2	2	2	..
Ethiopia	-	-	-	-	-	-	-	-	..
Gabon	-	-	-	-	-	-	2	2	..
Ghana	-	-	-	-	-	-	3	27	..
Kenya	-	-	-	-	-	-	1	1	..
Libya	-	-	-	-	2	6	8	8	..
Mauritius	-	-	-	-	-	-	26	30	..
Morocco	-	-	-	-	-	-	5	401	415
Mozambique	-	-	-	-	-	-	-	-	..
Namibia	-	-	-	-	-	..
Niger	-	2	3	4	5	..
Nigeria	-	-	-	-	-	-	-	-	..
Senegal	-	-	-	2	4	3	4	6	..
South Africa	-	-	-	-	-	-	2 373	3 100	..
South Sudan	2	2	..
Sudan	-	-	-	-	-	-	-	-	..
Tanzania	-	-	-	-	-	7	21	25	..
Togo	-	-	-	-	-	-	-	-	..
Tunisia	-	-	-	-	-	1	41	63	..
Zambia	-	-	-	-	-	-	-	-	..
Zimbabwe	-	-	-	-	-	-	-	-	..
Other Africa	-	-	-	-	1	79	266	271	..
Africa	-	-	-	3	10	307	2 991	4 205	..

1. Please refer to section 'Geographical coverage'.

Production of solar electricity

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	-	-	-	-	-	-	154	165	..
Brunei Darussalam	-	-	-	-	-	-	2	1	..
Cambodia	1	1	3	3	3	..
DPR of Korea	-	-	-	-	-	-	-	-	..
India	-	-	-	2	3	113	10 478	14 130	..
Indonesia	-	-	-	-	-	1	5	21	..
Malaysia	-	-	-	-	1	-	273	310	..
Mongolia	-	-	-	6	7	7	..
Myanmar	-	-	-	-	-	-	-	-	..
Nepal	-	-	-	-	-	-	1	1	..
Pakistan	-	-	-	-	-	-	207	219	..
Philippines	-	-	-	-	2	1	139	1 097	..
Singapore	-	-	-	-	-	5	64	136	..
Sri Lanka	-	-	-	8	14	17	21	23	..
Chinese Taipei	-	-	-	-	1	23	876	1 132	..
Thailand	-	-	-	-	-	20	2 378	3 377	4 512
Viet Nam	-	-	-	-	-	-	-	-	..
Other Non-OECD Asia	-	-	-	193	193	205	42	43	..
Non-OECD Asia excl. China	-	-	-	204	215	394	14 650	20 665	..
People's Republic of China	-	-	2	22	84	701	44 809	75 285	..
Hong Kong, China	-	-	-	-	-	-	1	1	..
China	-	-	2	22	84	701	44 810	75 286	..
Argentina	-	-	-	-	-	-	15	14	..
Bolivia	-	-	-	-	-	3	11	11	..
Brazil	-	-	-	-	-	-	59	85	832
Colombia	-	-	-	-	-	-	-	-	..
Costa Rica	-	-	-	-	-	-	3	3	..
Cuba	-	-	-	-	-	-	31	41	..
Curaçao ¹	-	-	-	-	-	-	29	32	..
Dominican Republic	-	-	-	-	-	-	179	308	..
Ecuador	-	-	-	-	-	-	36	39	..
El Salvador	-	-	-	-	-	-	-	-	..
Guatemala	-	-	-	-	-	-	150	193	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	-	-	-	-	-	-	417	881	..
Jamaica	-	-	-	-	-	-	-	13	..
Nicaragua	-	-	-	-	-	-	-	-	..
Panama	-	-	-	-	-	-	16	71	..
Paraguay	-	-	-	-	-	-	-	-	..
Peru	-	-	-	-	-	-	230	241	..
Suriname	-	-	-	-	-	..
Trinidad and Tobago	-	-	-	-	-	-	-	-	..
Uruguay	-	-	-	-	-	-	49	152	..
Venezuela	-	-	-	-	-	-	-	-	..
Other Non-OECD Americas	-	-	-	26	51	62	203	207	..
Non-OECD Americas	-	-	-	26	51	65	1 428	2 291	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	-	-	-	-	-	-	1	4	..
Iraq	-	-	-	-	-	-	-	-	..
Jordan	-	-	-	-	-	-	2	491	..
Kuwait	-	-	-	-	-	-	-	2	..
Lebanon	-	-	-	-	-	-	-	-	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	1	1	..
Syrian Arab Republic	-	-	-	-	-	-	-	-	..
United Arab Emirates	-	-	-	-	-	-	296	356	..
Yemen	-	-	-	-	-	2	549	732	..
Middle East	-	-	-	-	-	2	849	1 586	..

1. Please refer to section 'Geographical coverage'.

Production of electricity from wind

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	-	11	3 880	31 350	103 922	341 399	838 546	957 694	..
Non-OECD Total	-	-	35	2 822	10 055	72 641	281 673	352 240	..
OECD Total	-	11	3 845	28 528	93 867	268 758	556 873	605 454	696 886
Canada	-	-	-	264	1 567	8 724	26 446	30 766	31 453
Chile	-	-	-	-	7	332	2 115	2 449	3 520
Mexico	-	-	1	19	19	1 239	8 745	10 378	10 353
United States	-	-	3 066	5 650	17 881	95 148	192 992	229 471	257 195
OECD Americas	-	-	3 067	5 933	19 474	105 443	230 298	273 064	302 521
Australia	-	-	-	58	885	5 052	11 467	12 199	12 483
Israel ¹	-	-	-	-	11	8	7	c	c
Japan	-	-	-	108	1 751	3 962	5 581	5 951	6 320
Korea	-	-	-	17	130	817	1 342	1 683	2 160
New Zealand	-	-	-	120	614	1 637	2 356	2 303	2 070
OECD Asia Oceania	-	-	-	303	3 391	11 476	20 753	22 136	23 033
Austria	-	-	-	67	1 331	2 064	4 840	5 235	6 234
Belgium	-	-	7	16	227	1 292	5 574	5 436	6 653
Czech Republic	-	-	-	1	21	335	573	497	591
Denmark	-	11	610	4 241	6 614	7 809	14 133	12 782	14 777
Estonia	-	-	54	277	715	594	737
Finland	-	-	-	78	170	294	2 327	3 068	4 802
France	-	-	-	48	962	9 945	21 249	21 400	24 317
Germany	-	-	71	9 352	27 229	37 793	79 206	78 598	106 601
Greece	-	-	2	451	1 266	2 714	4 621	5 146	5 537
Hungary	-	-	-	-	10	534	693	684	758
Iceland	-	-	-	-	-	-	11	9	8
Ireland	-	-	-	244	1 112	2 815	6 573	6 149	7 445
Italy	-	-	2	563	2 344	9 126	14 844	17 689	17 658
Latvia	-	4	47	49	147	128	150
Luxembourg	-	-	-	27	52	55	102	101	231
Netherlands	-	-	56	829	2 067	3 994	7 550	8 170	10 574
Norway	-	-	-	31	499	879	2 515	2 116	2 852
Poland	-	-	-	5	135	1 664	10 858	12 588	14 906
Portugal	-	-	1	168	1 773	9 182	11 607	12 474	12 246
Slovak Republic	-	-	-	-	6	6	6	6	5
Slovenia	-	-	-	-	6	6	6
Spain	-	-	14	4 727	21 176	44 271	49 325	48 906	49 094
Sweden	-	-	6	457	936	3 502	16 268	15 479	17 508
Switzerland	-	-	-	3	8	37	110	109	133
Turkey	-	-	-	33	59	2 916	11 652	15 517	17 904
United Kingdom	-	-	9	947	2 904	10 286	40 317	37 367	49 605
OECD Europe	-	11	778	22 292	71 002	151 839	305 822	310 254	371 332
<i>IEA</i>	-	11	3 845	28 524	93 802	268 369	554 587	602 862	693 202
<i>IEA/Accession/Association</i>	-	11	3 879	30 889	102 347	335 820	808 609	924 077	..
<i>European Union - 28</i>	778	22 225	70 453	149 388	301 876	302 894	..
<i>G7</i>	-	-	3 148	16 932	54 638	174 984	380 635	421 242	493 149
<i>G8</i>	3 148	16 934	54 645	174 988	380 783	421 390	..
<i>G20</i>	3 879	30 712	101 171	333 770	812 409	928 684	..
<i>OPEC</i>	-	-	-	37	71	166	339	363	..

1. Please refer to section 'Geographical coverage'.

Production of electricity from wind

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	-	-	35	2 822	10 055	72 641	281 673	352 240	..
Albania	-	-	-	-	-	-	-	-	-
Armenia	-	-	-	7	3	2	2
Azerbaijan	-	-	-	1	5	23	22
Belarus	-	-	1	1	26	75	74
Bosnia and Herzegovina	-	-	-	-	-	-	-
Bulgaria	-	-	-	-	5	681	1 452	1 425	1 504
Croatia	-	-	10	139	796	1 014	1 175
Cyprus ¹	-	-	-	-	-	31	221	226	211
FYR of Macedonia	-	-	-	-	121	109	110
Georgia	-	-	-	-	-	9	88
Gibraltar	-	-	-	-	-	-	..
Kazakhstan	-	-	-	-	132	275	..
Kosovo	-	-	1	-	-	-
Kyrgyzstan	-	-	-	-	-	-	..
Lithuania	-	-	2	224	810	1 136	..
Malta	-	-	-	-	-	-	-	-	-
Moldova	-	-	-	-	2	3	6
Montenegro	-	-	-	-	-
Romania	-	-	-	-	-	306	7 063	6 590	7 410
Russian Federation	-	2	7	4	148	148	139
Serbia	-	-	-	-	-	26	44
Tajikistan	-	-	-	-	-	-	-
Turkmenistan	-	-	-	-	-	-	..
Ukraine	-	6	38	51	1 084	954	975
Uzbekistan	-	-	-	-	-	-	..
Former Soviet Union	-	-	x	x	x	x	x	x	x
Former Yugoslavia	-	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	-	-	-	8	63	1 446	11 863	12 015	..
Algeria	-	-	-	-	-	-	19	29	..
Angola	-	-	-	-	-	-	-	-	..
Benin	-	-	-	-	-	-	-	-	..
Botswana	-	-	-	-	-	-	..
Cameroon	-	-	-	-	-	-	-	-	..
Congo	-	-	-	-	-	-	-	-	..
Côte d'Ivoire	-	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	-	-	-	-	-	-	-	-	..
Egypt	-	-	-	137	552	1 498	2 058	2 058	..
Eritrea	-	-	-	-	-	..
Ethiopia	-	-	-	-	-	-	759	816	..
Gabon	-	-	-	-	-	-	-	-	..
Ghana	-	-	-	-	-	-	-	-	..
Kenya	-	-	-	-	-	18	57	63	..
Libya	-	-	-	-	-	-	-	-	..
Mauritius	-	-	-	-	-	3	3	18	..
Morocco	-	-	-	64	206	659	2 519	3 000	3 035
Mozambique	-	-	-	-	-	-	-	-	..
Namibia	-	-	-	-	-	..
Niger	-	-	-	-	-	..
Nigeria	-	-	-	-	-	-	-	-	..
Senegal	-	-	-	-	-	-	-	-	..
South Africa	-	-	-	-	12	34	2 500	3 700	..
South Sudan	-	-	..
Sudan	-	-	-	-	-	-	-	-	..
Tanzania	-	-	-	-	-	-	-	-	..
Togo	-	-	-	-	-	-	-	-	..
Tunisia	-	-	-	23	42	139	448	474	..
Zambia	-	-	-	-	-	-	-	-	..
Zimbabwe	-	-	-	-	-	-	-	-	..
Other Africa	-	-	-	8	6	19	102	104	..
Africa	-	-	-	232	818	2 370	8 465	10 262	..

1. Please refer to section 'Geographical coverage'.

Production of electricity from wind

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	-	-	-	-	-	-	4	5	..
Brunei Darussalam	-	-	-	-	-	-	-	-	..
Cambodia	-	-	-	-	-	..
DPR of Korea	-	-	-	-	-	-	-	-	..
India	-	-	32	1 684	6 211	19 657	41 663	44 856	..
Indonesia	-	-	-	-	-	4	4	6	..
Malaysia	-	-	-	-	-	-	-	-	..
Mongolia	-	-	-	1	154	154	..
Myanmar	-	-	-	-	-	-	-	-	..
Nepal	-	-	-	-	-	-	6	6	..
Pakistan	-	-	-	-	-	-	786	831	..
Philippines	-	-	-	-	17	62	748	975	..
Singapore	-	-	-	-	-	-	-	-	..
Sri Lanka	-	-	-	3	2	53	343	345	..
Chinese Taipei	-	-	-	1	91	976	1 525	1 464	..
Thailand	-	-	-	-	-	-	329	345	1 112
Viet Nam	-	-	-	-	-	50	121	201	..
Other Non-OECD Asia	-	-	-	8	18	57	73	74	..
Non-OECD Asia excl. China	-	-	32	1 696	6 339	20 860	45 756	49 262	..
People's Republic of China	-	-	2	615	2 028	44 622	185 766	237 071	..
Hong Kong, China	-	-	-	-	-	1	2	2	..
China	-	-	2	615	2 028	44 623	185 768	237 073	..
Argentina	-	-	-	35	75	25	599	554	..
Bolivia	-	-	-	-	-	-	12	35	..
Brazil	-	-	-	2	93	2 177	21 626	33 488	42 373
Colombia	-	-	-	-	49	39	68	51	..
Costa Rica	-	-	-	183	204	359	1 080	1 147	..
Cuba	-	-	-	1	2	12	19	19	..
Curaçao ¹	-	-	-	8	71	63	200	200	..
Dominican Republic	-	-	-	-	-	-	725	807	..
Ecuador	-	-	-	-	-	3	99	84	..
El Salvador	-	-	-	-	-	-	-	-	..
Guatemala	-	-	-	-	-	-	107	215	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	-	-	-	-	-	-	665	574	..
Jamaica	-	-	-	-	50	53	125	190	..
Nicaragua	-	-	-	-	-	163	865	729	..
Panama	-	-	-	-	-	-	419	625	..
Paraguay	-	-	-	-	-	-	-	-	..
Peru	-	-	-	1	1	1	595	1 063	..
Suriname	-	-	-	-	-	..
Trinidad and Tobago	-	-	-	-	-	-	-	-	..
Uruguay	-	-	-	-	-	68	2 065	2 994	..
Venezuela	-	-	-	-	-	-	-	-	..
Other Non-OECD Americas	-	-	-	1	188	213	208	212	..
Non-OECD Americas	-	-	-	231	733	3 176	29 477	42 987	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	-	-	-	37	71	163	221	250	..
Iraq	-	-	-	-	-	-	-	-	..
Jordan	-	-	1	3	3	3	123	391	..
Kuwait	-	-	-	-	-	-	-	-	..
Lebanon	-	-	-	-	-	-	-	-	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	-	-	..
Syrian Arab Republic	-	-	-	-	-	-	-	-	..
United Arab Emirates	-	-	-	-	-	-	-	-	..
Yemen	-	-	-	-	-	-	-	-	..
Middle East	-	-	1	40	74	166	344	641	..

1. Please refer to section 'Geographical coverage'.

Production of electricity from biofuels and waste

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	31 844	44 344	129 857	164 302	225 899	360 308	517 058	570 574	..
Non-OECD Total	25 174	30 981	7 746	21 384	38 049	104 672	173 753	217 269	..
OECD Total	6 670	13 363	122 111	142 918	187 850	255 636	343 305	353 305	358 318
Canada	-	1 300	3 969	8 226	9 033	10 466	12 776	12 778	14 000
Chile	51	105	963	941	1 790	2 247	5 615	5 957	5 538
Mexico	-	-	-	1 672	3 074	776	1 369	1 534	1 608
United States	297	457	86 362	71 713	71 215	72 606	80 466	79 147	78 448
OECD Americas	348	1 862	91 294	82 552	85 112	86 095	100 226	99 416	99 594
Australia	338	385	750	1 134	3 830	2 777	3 608	3 722	3 625
Israel ¹	-	-	-	-	-	61	68	114	115
Japan	-	-	8 903	10 166	11 487	19 047	31 740	33 565	34 232
Korea	-	-	-	93	294	1 107	3 150	6 371	8 117
New Zealand	-	312	500	587	483	578	635	608	618
OECD Asia Oceania	338	697	10 153	11 980	16 094	23 570	39 201	44 380	46 707
Austria	202	324	1 180	1 657	2 880	5 070	5 190	5 536	5 447
Belgium	116	300	723	1 336	2 250	5 689	6 763	6 535	6 830
Czech Republic	-	-	-	531	738	2 189	4 868	4 836	5 060
Denmark	-	-	210	1 856	3 989	5 340	4 964	5 623	6 630
Estonia	..	..	-	13	35	740	888	1 014	1 116
Finland	-	-	5 156	8 712	9 687	11 188	11 805	11 952	12 040
France	242	223	1 631	3 560	5 048	6 471	8 213	9 550	9 800
Germany	2 912	5 437	5 186	10 121	17 608	40 658	57 379	58 255	58 701
Greece	-	-	-	163	222	319	343	481	830
Hungary	-	-	34	120	1 730	2 449	2 302	2 283	2 323
Iceland	-	-	-	-	4	-	-	-	-
Ireland	-	-	-	95	130	314	550	751	898
Italy	1 365	1 288	103	1 908	6 153	11 586	21 826	22 011	21 747
Latvia	..	..	-	-	41	66	769	823	930
Luxembourg	-	30	34	56	76	129	192	209	245
Netherlands	-	1 024	1 059	3 202	6 683	8 606	6 564	6 612	6 255
Norway	-	-	242	286	382	442	512	436	391
Poland	295	409	258	298	1 552	6 349	10 011	8 168	6 704
Portugal	200	319	689	1 553	1 987	2 942	3 404	3 391	3 616
Slovak Republic	-	-	-	32	56	686	1 688	1 753	1 528
Slovenia	..	..	-	70	120	223	275	289	281
Spain	56	362	672	2 100	3 104	4 674	6 532	6 424	6 753
Sweden	399	779	2 005	4 342	8 357	13 397	11 968	13 078	11 958
Switzerland	-	173	804	1 746	2 109	2 425	2 814	2 991	2 891
Turkey	197	136	-	174	44	346	1 263	1 659	2 124
United Kingdom	-	-	678	4 455	11 659	13 673	32 795	34 849	36 919
OECD Europe	5 984	10 804	20 664	48 386	86 644	145 971	203 878	209 509	212 017
<i>IEA</i>	6 619	13 258	121 148	141 907	185 895	253 039	336 578	346 122	351 454
<i>IEA/Accession/Association</i>	7 420	15 168	126 140	155 396	213 874	339 976	491 430	544 076	..
<i>European Union - 28</i>	..	..	19 629	46 196	84 150	143 119	200 916	206 341	..
<i>G7</i>	4 816	8 705	106 832	110 149	132 203	174 507	245 195	250 155	253 847
<i>G8</i>	..	..	106 869	112 687	134 841	177 281	248 014	252 619	..
<i>G20</i>	..	..	123 616	154 441	211 014	335 690	480 909	521 843	..
<i>OPEC</i>	-	-	3	7	111	255	433	525	..

1. Please refer to section 'Geographical coverage'.

Production of electricity from biofuels and waste

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	25 174	30 981	7 746	21 384	38 049	104 672	173 753	217 269	..
Albania	-	-	-	-	-	-	-	-	..
Armenia	..	..	-	-	-	-	-	-	..
Azerbaijan	..	..	-	-	-	-	182	174	..
Belarus	..	..	-	-	-	93	186	176	..
Bosnia and Herzegovina	..	..	-	-	-	-	-	-	..
Bulgaria	-	-	-	15	17	35	272	353	..
Croatia	..	..	11	1	14	33	266	431	..
Cyprus ¹	-	-	-	-	-	35	51	52	..
FYR of Macedonia	..	..	-	-	-	-	20	36	..
Georgia	..	..	-	-	-	-	-	-	..
Gibraltar	..	..	-	-	-	-	-	-	..
Kazakhstan	..	..	-	-	-	-	-	-	..
Kosovo	..	..	..	-	-	-	-	-	..
Kyrgyzstan	..	..	-	-	-	-	-	-	..
Lithuania	..	..	-	-	7	147	507	543	..
Malta	-	-	-	-	-	-	7	8	..
Moldova	..	..	-	-	-	-	15	14	..
Montenegro	..	..	..	..	-	-	-	-	..
Romania	-	-	-	-	7	111	524	531	..
Russian Federation	..	..	37	2 538	2 638	2 774	2 819	2 464	..
Serbia	..	..	-	-	-	-	28	39	..
Tajikistan	..	..	-	-	-	-	-	-	..
Turkmenistan	..	..	-	-	-	-	-	-	..
Ukraine	..	..	-	-	-	188	145	136	..
Uzbekistan	..	..	-	-	-	-	-	-	..
Former Soviet Union	22 800	27 000	x	x	x	x	x	x	x
Former Yugoslavia	-	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	22 800	27 000	48	2 554	2 683	3 416	5 022	4 957	..
Algeria	-	-	-	-	-	-	-	-	..
Angola	-	-	-	-	-	-	-	-	..
Benin	-	-	-	-	-	1	-	-	..
Botswana	..	..	-	-	-	-	-	-	..
Cameroon	-	-	-	-	-	59	3	3	..
Congo	-	-	-	-	-	-	-	-	..
Côte d'Ivoire	-	-	-	-	110	69	105	173	..
Dem. Rep. of the Congo	-	-	-	-	-	-	21	22	..
Egypt	-	-	-	-	-	-	-	-	..
Eritrea	..	..	..	-	-	-	-	-	..
Ethiopia	-	-	-	-	-	-	-	-	..
Gabon	-	-	3	7	8	9	11	11	..
Ghana	-	-	-	-	-	-	-	-	..
Kenya	108	140	201	128	131	209	122	123	..
Libya	-	-	-	-	-	-	-	-	..
Mauritius	24	27	158	431	453	550	530	516	..
Morocco	-	-	-	-	-	-	-	-	..
Mozambique	-	-	-	-	-	-	-	-	..
Namibia	..	..	..	-	-	-	-	-	..
Niger	..	..	..	-	-	-	-	-	..
Nigeria	-	-	-	-	-	-	-	-	..
Senegal	38	40	44	51	51	74	73	63	..
South Africa	-	-	-	307	259	259	259	260	..
South Sudan	..	..	..	..	..	..	-	-	..
Sudan	-	-	-	-	-	-	-	-	..
Tanzania	-	-	-	-	-	18	21	21	..
Togo	-	-	-	-	2	4	5	5	..
Tunisia	-	-	-	-	-	-	-	-	..
Zambia	-	-	-	-	-	-	-	-	..
Zimbabwe	-	-	-	-	-	94	129	121	..
Other Africa	-	-	54	152	285	367	613	624	..
Africa	170	207	460	1 076	1 299	1 713	1 892	1 942	..

1. Please refer to section 'Geographical coverage'.

Production of electricity from biofuels and waste

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	-	-	-	-	-	-	-	-	..
Brunei Darussalam	-	-	-	-	-	-	-	-	..
Cambodia	..	..	..	-	14	20	38	42	..
DPR of Korea	-	-	-	-	-	-	-	-	..
India	-	-	-	1 278	4 890	14 673	26 639	43 636	..
Indonesia	-	-	-	6	22	95	1 134	1 799	..
Malaysia	-	-	-	-	-	1 010	751	760	..
Mongolia	..	..	-	-	-	-	-	-	..
Myanmar	-	-	-	-	-	-	-	-	..
Nepal	-	-	-	-	-	-	-	-	..
Pakistan	-	-	-	-	-	-	556	588	..
Philippines	-	-	431	-	-	27	367	726	..
Singapore	-	-	170	490	956	1 174	1 487	1 442	..
Sri Lanka	-	-	-	-	4	33	57	72	..
Chinese Taipei	-	-	-	1 694	3 286	3 652	3 788	3 524	..
Thailand	-	-	-	509	1 530	3 390	7 446	18 365	..
Viet Nam	-	-	-	-	50	55	60	61	..
Other Non-OECD Asia	5	27	29	-	-	-	5	5	..
Non-OECD Asia excl. China	5	27	630	3 977	10 752	24 129	42 328	71 020	..
People's Republic of China	-	-	-	2 421	5 200	33 863	63 729	76 113	..
Hong Kong, China	-	-	-	-	-	92	101	101	..
China	-	-	-	2 421	5 200	33 955	63 830	76 214	..
Argentina	57	96	107	673	1 287	2 195	2 138	1 711	..
Bolivia	12	32	32	54	56	116	192	294	..
Brazil	750	1 805	3 859	7 844	13 591	31 495	48 802	50 642	50 900
Colombia	-	227	274	496	503	2 417	1 371	1 666	..
Costa Rica	7	10	-	17	71	145	179	172	..
Cuba	719	954	1 449	944	420	455	703	686	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	75	75	25	32	29	29	28	32	..
Ecuador	-	-	-	-	103	236	408	490	..
El Salvador	-	-	-	-	89	283	570	642	..
Guatemala	43	52	285	586	717	1 558	2 338	2 665	..
Haiti	12	12	17	-	-	-	-	-	..
Honduras	-	-	-	7	300	321	366	660	..
Jamaica	205	282	98	205	72	127	169	213	..
Nicaragua	8	18	105	159	352	385	454	534	..
Panama	2	22	56	24	23	22	34	33	..
Paraguay	40	41	19	-	-	-	-	-	..
Peru	230	85	136	158	348	673	907	643	..
Suriname	..	..	..	-	-	-	-	-	..
Trinidad and Tobago	29	26	31	20	22	-	-	-	..
Uruguay	9	9	59	35	39	900	1 788	1 807	..
Venezuela	-	-	-	-	-	-	-	-	..
Other Non-OECD Americas	1	1	56	102	88	83	214	218	..
Non-OECD Americas	2 199	3 747	6 608	11 356	18 110	41 440	60 661	63 108	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	-	-	-	-	-	10	14	24	..
Iraq	-	-	-	-	-	-	-	-	..
Jordan	-	-	-	-	5	9	6	4	..
Kuwait	-	-	-	-	-	-	-	-	..
Lebanon	-	-	-	-	-	-	-	-	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	-	-	..
Syrian Arab Republic	-	-	-	-	-	-	-	-	..
United Arab Emirates	-	-	-	-	-	-	-	-	..
Yemen	-	-	-	-	-	-	-	-	..
Middle East	-	-	-	-	5	19	20	28	..

1. Please refer to section 'Geographical coverage'.

Total production of electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	6 144 359	8 299 211	11 901 221	15 522 478	18 380 958	21 571 429	24 372 003	25 081 588	..
Non-OECD Total	1 659 619	2 615 259	4 194 897	5 707 809	7 786 038	10 619 266	13 451 005	14 074 663	..
OECD Total	4 484 740	5 683 952	7 706 324	9 814 669	10 594 920	10 952 163	10 920 998	11 006 925	11 032 579
Canada	270 198	373 379	482 152	605 707	620 572	604 360	668 146	667 438	674 432
Chile	8 766	11 751	18 372	40 078	52 484	60 434	75 387	79 308	78 946
Mexico	37 100	66 962	115 837	205 675	250 768	275 537	310 719	320 353	319 451
United States	1 965 509	2 427 320	3 218 621	4 052 667	4 294 368	4 378 430	4 317 159	4 322 038	4 257 152
OECD Americas	2 281 573	2 879 412	3 834 982	4 904 127	5 218 192	5 318 761	5 371 411	5 389 137	5 329 981
Australia	64 800	96 073	155 019	210 224	228 650	252 661	251 415	256 563	260 154
Israel ¹	8 720	12 404	20 898	42 661	48 602	58 591	64 226	66 976	67 863
Japan	470 287	576 331	869 521	1 070 277	1 111 601	1 127 441	1 046 944	1 057 976	1 085 212
Korea	14 825	37 239	105 371	290 126	389 390	499 508	552 697	562 603	565 526
New Zealand	18 531	22 596	32 265	39 247	42 720	44 622	44 040	43 033	43 068
OECD Asia Oceania	577 163	744 643	1 183 074	1 652 535	1 820 963	1 982 823	1 959 322	1 987 151	2 021 823
Austria	31 325	41 965	50 294	61 257	66 831	71 129	65 299	68 351	71 343
Belgium	41 067	53 642	70 923	84 012	87 025	95 189	69 849	85 520	86 209
Czech Republic	41 174	52 656	62 559	73 466	82 578	85 903	83 892	83 309	87 032
Denmark	19 120	26 765	25 982	36 053	36 246	38 862	28 946	30 522	30 426
Estonia	..	..	17 181	8 513	10 205	12 964	10 398	12 176	13 150
Finland	26 102	40 747	54 377	69 976	70 582	80 674	68 597	68 752	67 425
France	182 528	257 979	420 751	539 954	576 062	569 290	570 323	556 184	554 074
Germany	375 903	467 578	550 015	576 543	622 579	632 983	646 888	649 119	654 994
Greece	14 817	22 653	35 003	53 843	60 020	57 392	51 874	54 438	58 828
Hungary	17 643	23 876	28 436	35 191	35 756	37 371	30 342	31 859	32 802
Iceland	2 320	3 184	4 510	7 684	8 686	17 059	18 799	18 550	19 239
Ireland	7 348	10 883	14 515	23 977	25 970	28 353	28 387	30 418	30 894
Italy	145 518	185 741	216 600	276 641	303 700	302 063	282 994	289 768	295 118
Latvia	..	..	6 648	4 136	4 906	6 627	5 533	6 425	7 531
Luxembourg	2 186	1 110	1 377	1 169	4 132	4 590	2 766	2 196	2 224
Netherlands	52 627	64 806	71 968	89 631	99 921	119 270	110 070	115 170	116 585
Norway	73 055	84 099	121 848	142 982	138 009	123 630	144 546	149 630	149 252
Poland	84 302	121 871	136 311	145 184	156 936	157 657	164 944	166 635	170 339
Portugal	9 821	15 263	28 501	43 764	46 575	54 090	52 419	60 280	59 335
Slovak Republic	12 299	20 076	26 132	31 158	31 455	27 858	26 903	27 064	26 649
Slovenia	..	..	12 444	13 624	15 117	16 440	15 100	16 500	16 257
Spain	76 272	110 483	151 920	224 472	294 077	301 527	280 911	274 779	274 775
Sweden	78 080	96 695	146 514	145 266	158 436	148 563	162 058	156 010	160 243
Switzerland	38 024	49 247	56 179	67 520	59 649	67 816	67 720	63 175	62 910
Turkey	12 425	23 275	57 543	124 922	161 956	211 208	261 783	274 408	297 278
United Kingdom	282 048	285 303	319 737	377 069	398 356	382 071	338 924	339 399	335 863
OECD Europe	1 626 004	2 059 897	2 688 268	3 258 007	3 555 765	3 650 579	3 590 265	3 630 637	3 680 775
<i>IEA</i>	<i>4 464 934</i>	<i>5 656 613</i>	<i>7 643 452</i>	<i>9 706 486</i>	<i>10 465 125</i>	<i>10 793 012</i>	<i>10 741 953</i>	<i>10 819 166</i>	<i>10 842 743</i>
<i>IEA/Accession/Association</i>	<i>4 795 846</i>	<i>6 262 949</i>	<i>8 900 830</i>	<i>12 254 730</i>	<i>14 454 440</i>	<i>16 956 080</i>	<i>19 124 370</i>	<i>19 696 576</i>	..
<i>European Union - 28</i>	..	..	<i>2 595 179</i>	<i>3 035 750</i>	<i>3 325 806</i>	<i>3 366 585</i>	<i>3 235 113</i>	<i>3 258 083</i>	..
<i>G7</i>	<i>3 691 991</i>	<i>4 573 631</i>	<i>6 077 397</i>	<i>7 498 858</i>	<i>7 927 238</i>	<i>7 996 638</i>	<i>7 871 378</i>	<i>7 881 922</i>	<i>7 856 845</i>
<i>G8</i>	..	..	<i>7 159 549</i>	<i>8 376 624</i>	<i>8 880 324</i>	<i>9 034 668</i>	<i>8 938 922</i>	<i>8 972 895</i>	..
<i>G20</i>	..	..	<i>10 167 260</i>	<i>13 297 944</i>	<i>15 648 128</i>	<i>18 291 325</i>	<i>20 530 913</i>	<i>21 116 442</i>	..
<i>OPEC</i>	<i>48 780</i>	<i>131 432</i>	<i>299 910</i>	<i>515 153</i>	<i>705 985</i>	<i>949 906</i>	<i>1 222 995</i>	<i>1 246 842</i>	..

Includes electricity from hydro pumped storage.

Includes small amounts of electricity from tide, wave, chemical heat and other sources.

1. Please refer to section 'Geographical coverage'.

Total production of electricity

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	1 659 619	2 615 259	4 194 897	5 707 809	7 786 038	10 619 266	13 451 005	14 074 663	..
Albania	1 702	3 715	3 296	4 778	5 443	7 568	5 895	7 782	4 525
Armenia	..	..	10 362	5 958	6 317	6 491	7 799	7 315	7 763
Azerbaijan	..	..	23 152	18 699	22 872	18 710	24 688	24 953	24 320
Belarus	..	..	39 526	26 101	30 961	34 895	34 082	33 566	33 045
Bosnia and Herzegovina	..	..	14 632	10 429	12 602	17 124	15 629	17 767	16 308
Bulgaria	21 956	34 835	42 141	40 924	44 365	46 653	49 228	45 277	45 577
Croatia	..	..	9 062	11 281	13 162	14 902	11 403	12 820	11 915
Cyprus ¹	830	1 034	1 974	3 370	4 377	5 322	4 533	4 887	4 990
FYR of Macedonia	..	..	5 758	6 811	6 942	7 260	5 646	5 629	5 600
Georgia	..	..	13 724	7 424	7 267	10 124	10 833	11 574	11 531
Gibraltar	49	54	79	125	145	177	224	254	..
Kazakhstan	..	..	87 379	51 324	67 847	82 646	106 468	106 627	..
Kosovo	..	..	..	2 957	4 458	5 168	6 119	5 981	5 906
Kyrgyzstan	..	..	15 732	14 931	14 891	12 100	13 030	13 262	..
Lithuania	..	..	28 405	11 425	14 784	5 749	4 933	4 266	..
Malta	365	527	1 100	1 917	2 240	2 114	1 303	856	1 635
Moldova	..	..	16 221	5 606	5 990	6 113	6 091	5 827	5 580
Montenegro	..	..	..	..	2 864	4 022	3 003	3 141	2 309
Romania	46 779	67 486	64 309	51 934	59 413	60 979	66 296	65 103	63 645
Russian Federation	..	..	1 082 152	877 766	953 086	1 038 030	1 067 544	1 090 973	1 101 723
Serbia	..	..	40 948	34 140	36 474	38 103	38 298	39 342	37 342
Tajikistan	..	..	18 146	14 247	17 090	16 435	17 162	17 232	18 114
Turkmenistan	..	..	14 610	9 845	12 820	16 660	22 534	22 534	..
Ukraine	..	..	298 835	171 445	186 055	188 828	163 682	164 573	157 127
Uzbekistan	..	..	56 325	46 864	49 200	51 700	57 280	58 319	..
Former Soviet Union	914 600	1 294 000	x	x	x	x	x	x	x
Former Yugoslavia	35 062	59 716	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	1 021 343	1 461 367	1 887 868	1 430 301	1 581 665	1 697 873	1 743 703	1 769 860	..
Algeria	2 806	7 123	16 104	25 412	33 915	45 734	68 798	70 997	..
Angola	984	675	841	1 445	2 786	5 449	9 765	10 361	..
Benin	9	10	21	84	107	115	342	355	..
Botswana	..	..	906	1 140	1 052	532	2 968	2 688	..
Cameroon	1 118	1 453	2 697	3 480	4 004	5 899	7 943	8 367	..
Congo	96	155	493	296	433	784	1 734	1 753	..
Côte d'Ivoire	796	1 749	1 983	4 800	5 681	5 965	8 711	10 253	..
Dem. Rep. of the Congo	3 848	4 445	5 650	5 982	7 374	7 905	8 953	9 135	..
Egypt	8 106	18 939	42 256	78 143	108 690	146 796	186 320	194 327	..
Eritrea	..	..	..	210	288	311	406	421	..
Ethiopia	591	689	1 202	1 674	2 845	4 980	10 437	11 226	..
Gabon	165	530	978	1 315	1 574	1 935	2 128	2 336	..
Ghana	3 910	5 317	5 721	7 223	6 788	10 167	11 491	13 023	..
Kenya	901	1 630	3 235	4 006	5 805	7 394	9 652	9 752	..
Libya	1 147	4 800	10 169	15 496	22 672	32 558	37 511	36 430	..
Mauritius	187	355	780	1 778	2 272	2 689	2 997	3 042	..
Morocco	2 875	5 247	9 628	12 863	19 737	23 835	31 215	32 141	33 062
Mozambique	641	462	454	9 696	13 285	16 666	19 913	18 732	..
Namibia	..	..	..	1 407	1 660	1 305	1 536	1 421	..
Niger	..	..	..	206	229	293	531	526	..
Nigeria	2 625	7 169	13 463	14 727	23 539	26 121	31 426	30 897	..
Senegal	442	676	945	1 604	2 544	3 076	4 151	4 457	..
South Africa	64 390	98 951	167 226	210 670	244 922	259 601	249 655	252 747	..
South Sudan	..	..	..	..	..	..	578	439	..
Sudan	610	817	1 515	2 569	3 826	7 499	13 047	14 429	..
Tanzania	582	792	1 628	2 472	3 555	5 274	6 394	6 998	..
Togo	101	51	158	175	189	179	81	232	..
Tunisia	1 179	2 924	5 811	10 596	12 661	16 372	19 676	19 808	..
Zambia	3 368	9 300	8 013	7 798	8 936	10 448	13 441	11 695	..
Zimbabwe	5 172	4 541	9 362	6 995	9 374	8 665	9 706	7 055	..
Other Africa	3 912	5 160	6 674	10 115	12 747	16 193	18 273	18 712	..
Africa	110 561	183 960	317 913	444 377	563 490	674 740	789 779	804 755	..

Includes electricity from hydro pumped storage.

Includes small amounts of electricity from tide, wave, chemical heat and other sources.

1. Please refer to section 'Geographical coverage'.

Total production of electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	1 404	2 353	7 732	15 771	26 447	40 790	59 011	64 327	..
Brunei Darussalam	246	343	1 172	2 543	3 264	3 792	4 200	4 270	..
Cambodia	..	..	..	448	964	1 000	4 397	5 594	..
DPR of Korea	16 580	21 200	27 700	19 400	22 912	21 664	13 737	16 926	..
India	72 796	120 409	292 732	569 688	715 656	980 423	1 372 770	1 477 564	..
Indonesia	2 370	7 502	32 667	93 325	127 529	169 755	233 984	248 613	..
Malaysia	4 773	10 049	23 016	69 255	82 673	124 786	150 123	156 660	..
Mongolia	..	..	3 348	2 946	3 419	4 313	5 513	5 667	..
Myanmar	821	1 487	2 478	5 118	6 016	7 543	15 970	17 867	..
Nepal	104	217	878	1 659	2 533	3 208	3 460	4 244	..
Pakistan	8 377	14 974	37 673	68 116	93 629	94 384	111 298	114 003	..
Philippines	13 186	18 009	26 327	45 290	56 567	67 742	82 413	90 797	..
Singapore	3 719	6 991	15 714	31 665	38 213	45 361	50 415	51 667	..
Sri Lanka	1 031	1 668	3 150	7 004	9 324	10 801	13 182	14 284	..
Chinese Taipei	20 735	42 607	90 205	184 862	227 362	246 996	258 025	264 136	..
Thailand	6 971	14 426	44 176	95 977	132 197	159 522	177 479	191 321	176 988
Viet Nam	2 350	3 559	8 681	26 561	53 656	94 903	156 408	164 832	..
Other Non-OECD Asia	4 691	7 175	8 431	13 769	16 702	20 941	36 199	42 412	..
Non-OECD Asia excl. China	160 154	272 969	626 080	1 253 397	1 619 063	2 097 924	2 748 584	2 935 184	..
People's Republic of China	168 689	300 630	621 268	1 355 738	2 500 466	4 207 993	5 859 515	6 217 907	6 495 140
Hong Kong, China	6 799	12 634	28 938	31 331	38 451	38 387	38 028	38 258	..
China	175 488	313 264	650 206	1 387 069	2 538 917	4 246 380	5 897 543	6 256 165	..
Argentina	26 661	39 706	51 005	88 977	105 750	125 594	145 447	147 220	..
Bolivia	1 171	1 619	2 311	3 880	4 896	6 777	9 123	9 409	..
Brazil	64 726	139 380	222 821	348 910	403 033	515 745	581 652	578 889	588 035
Colombia	11 627	20 446	36 357	43 125	50 337	59 424	78 109	76 904	..
Costa Rica	1 347	2 226	3 468	6 919	8 260	9 583	10 812	10 881	..
Cuba	5 708	9 989	15 024	15 033	15 344	17 397	20 288	20 458	..
Curaçao ¹	775	850	790	1 121	1 248	1 323	820	884	..
Dominican Republic	2 246	3 258	3 698	13 100	13 444	15 074	18 505	19 414	..
Ecuador	1 256	3 372	6 349	10 612	12 675	19 509	25 830	27 314	..
El Salvador	917	1 460	2 218	3 377	4 823	5 984	5 989	5 984	..
Guatemala	908	1 952	2 186	6 048	8 049	8 893	11 679	12 450	..
Haiti	122	314	597	547	556	587	1 038	1 084	..
Honduras	486	906	2 319	3 658	5 775	6 938	8 965	8 783	..
Jamaica	2 187	1 676	2 458	6 606	7 422	4 320	4 122	4 230	..
Nicaragua	678	1 005	1 457	2 351	3 051	3 659	4 578	4 590	..
Panama	1 179	1 812	2 661	4 887	5 827	7 383	10 296	10 886	..
Paraguay	378	767	27 185	53 492	51 166	54 066	55 744	63 771	..
Peru	6 660	10 031	13 808	19 914	25 499	35 890	48 251	51 923	..
Suriname	..	..	..	1 172	1 518	1 724	2 258	2 022	..
Trinidad and Tobago	1 105	2 035	3 577	5 459	7 058	8 485	10 300	10 712	..
Uruguay	2 551	4 600	7 444	7 588	7 682	10 995	13 108	13 238	..
Venezuela	16 445	35 803	59 321	85 271	105 384	113 765	122 721	112 577	..
Other Non-OECD Americas	15 306	17 769	22 189	31 073	36 934	36 097	34 222	34 848	..
Non-OECD Americas	164 439	300 976	489 243	763 120	885 731	1 069 212	1 223 857	1 228 471	..
Bahrain	500	1 660	7 989	13 859	19 373	23 824	28 484	28 510	..
Islamic Republic of Iran	12 093	22 380	59 102	121 383	178 088	232 959	280 633	289 094	..
Iraq	3 519	11 383	24 000	31 900	30 400	48 908	68 688	80 030	..
Jordan	315	1 070	3 638	7 375	9 654	14 777	19 014	19 731	..
Kuwait	3 651	9 023	18 477	32 323	43 734	57 029	68 288	70 094	..
Lebanon	1 791	2 752	1 500	9 675	12 339	15 712	18 468	18 690	..
Oman	47	818	4 501	9 111	12 663	19 819	32 758	34 210	..
Qatar	420	2 416	4 818	9 134	14 396	28 144	41 499	42 307	..
Saudi Arabia	2 949	20 452	69 208	126 191	176 124	240 067	338 342	344 809	..
Syrian Arab Republic	1 423	3 960	11 611	25 217	34 935	46 413	17 982	18 112	..
United Arab Emirates	720	6 306	17 080	39 944	60 698	97 728	127 366	129 596	..
Yemen	206	503	1 663	3 433	4 768	7 757	6 017	5 045	..
Middle East	27 634	82 723	223 587	429 545	597 172	833 137	1 047 539	1 080 228	..

Includes electricity from hydro pumped storage.

Includes small amounts of electricity from tide, wave, chemical heat and other sources.

1. Please refer to section 'Geographical coverage'.

Production of electricity from renewable sources

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	1 321 603	1 772 535	2 299 312	2 835 801	3 294 209	4 199 621	5 535 838	5 938 892	..
Non-OECD Total	389 880	657 865	974 226	1 317 128	1 696 947	2 277 038	3 058 917	3 340 627	..
OECD Total	931 723	1 114 670	1 325 086	1 518 673	1 597 262	1 922 583	2 476 921	2 598 265	2 731 792
Canada	194 654	252 448	300 691	366 993	372 497	370 749	424 219	433 597	443 064
Chile	5 646	7 976	9 891	19 457	28 280	24 296	32 872	34 319	35 052
Mexico	16 350	17 801	28 604	40 732	38 110	45 747	47 478	48 937	48 243
United States	268 132	284 590	369 241	330 364	366 205	440 677	568 439	637 076	720 404
OECD Americas	484 782	562 815	708 427	757 546	805 092	881 469	1 073 008	1 153 929	1 246 763
Australia	11 749	13 327	14 898	17 590	20 103	21 721	33 460	37 204	40 527
Israel ¹	-	-	3	31	39	170	1 214	1 658	1 672
Japan	67 047	89 192	98 804	98 353	94 602	108 884	148 726	155 161	167 698
Korea	1 284	1 984	6 362	4 111	4 052	6 186	10 642	15 884	19 886
New Zealand	15 559	20 425	25 814	28 062	27 353	32 579	35 235	36 118	35 233
OECD Asia Oceania	95 639	124 928	145 881	148 147	146 149	169 540	229 277	246 025	265 016
Austria	18 952	29 049	32 635	43 435	40 884	44 980	47 243	50 772	50 912
Belgium	287	578	555	1 044	2 106	6 494	14 454	14 168	15 640
Czech Republic	1 081	2 399	1 161	2 284	3 132	5 902	9 422	9 384	9 617
Denmark	24	41	825	5 572	9 812	12 429	18 968	18 462	21 514
Estonia	..	..	-	18	111	1 044	1 502	1 514	1 742
Finland	10 515	10 216	16 015	23 379	23 468	24 195	30 525	30 407	31 225
France	48 489	70 234	55 779	69 402	56 325	78 196	89 408	97 242	90 450
Germany	18 145	21 921	19 093	35 475	62 505	104 809	187 366	188 342	218 275
Greece	2 223	3 405	1 771	4 144	6 406	10 522	14 850	14 893	13 821
Hungary	101	112	195	243	1 870	3 020	3 211	3 215	3 455
Iceland	2 233	3 137	4 504	7 679	8 681	17 057	18 795	18 547	19 237
Ireland	644	838	697	1 185	1 873	3 728	7 858	7 515	8 881
Italy	41 368	49 204	34 905	50 879	48 439	76 965	108 906	108 023	104 498
Latvia	..	..	4 496	2 823	3 414	3 635	2 776	3 481	5 461
Luxembourg	47	113	83	173	211	267	431	456	587
Netherlands	-	1 024	806	2 972	7 445	11 197	13 695	14 734	17 334
Norway	72 867	83 613	121 358	142 105	136 520	117 962	140 073	145 355	145 055
Poland	1 679	2 597	1 472	2 332	3 847	10 888	22 683	22 807	24 001
Portugal	7 525	8 335	9 839	12 868	8 260	28 353	24 371	32 262	22 479
Slovak Republic	1 322	2 257	1 880	4 615	4 676	5 940	6 040	6 629	6 583
Slovenia	..	..	2 950	3 904	3 575	4 749	4 355	5 057	4 430
Spain	28 968	29 912	26 032	34 494	42 263	97 776	97 088	104 639	88 157
Sweden	60 271	59 589	74 452	83 140	81 232	82 101	102 442	89 127	93 059
Switzerland	27 903	32 978	30 236	37 691	32 280	37 471	41 111	37 809	37 509
Turkey	2 800	11 484	23 228	31 154	39 748	55 712	83 658	90 245	87 236
United Kingdom	3 858	3 891	5 811	9 970	16 938	26 182	83 405	83 226	98 855
OECD Europe	351 302	426 927	470 778	612 980	646 021	871 574	1 174 636	1 198 311	1 220 013
<i>IEA</i>	<i>923 844</i>	<i>1 103 557</i>	<i>1 303 242</i>	<i>1 484 779</i>	<i>1 553 273</i>	<i>1 872 676</i>	<i>2 416 909</i>	<i>2 535 203</i>	<i>2 665 940</i>
<i>IEA/Accession/Association</i>	<i>1 059 211</i>	<i>1 351 145</i>	<i>1 735 290</i>	<i>2 141 954</i>	<i>2 482 424</i>	<i>3 314 294</i>	<i>4 536 603</i>	<i>4 880 291</i>	..
<i>European Union - 28</i>	..	..	<i>309 283</i>	<i>418 596</i>	<i>460 868</i>	<i>679 743</i>	<i>935 655</i>	<i>951 439</i>	..
<i>G7</i>	<i>641 693</i>	<i>771 480</i>	<i>884 324</i>	<i>961 436</i>	<i>1 017 511</i>	<i>1 206 462</i>	<i>1 610 469</i>	<i>1 702 667</i>	<i>1 843 244</i>
<i>G8</i>	..	..	<i>1 050 306</i>	<i>1 125 595</i>	<i>1 190 646</i>	<i>1 373 490</i>	<i>1 779 432</i>	<i>1 888 367</i>	..
<i>G20</i>	..	..	<i>1 751 962</i>	<i>2 133 096</i>	<i>2 498 167</i>	<i>3 338 408</i>	<i>4 534 667</i>	<i>4 878 751</i>	..
<i>OPEC</i>	<i>13 221</i>	<i>25 664</i>	<i>56 608</i>	<i>82 211</i>	<i>117 750</i>	<i>111 294</i>	<i>117 779</i>	<i>117 217</i>	..

Includes electricity from hydro, geothermal, solar, wind, tide, wave, biofuels and the renewable fraction of municipal waste.

Excludes electricity from hydro pumped storage.

1. Please refer to section 'Geographical coverage'.

Production of electricity from renewable sources

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	389 880	657 865	974 226	1 317 128	1 696 947	2 277 038	3 058 917	3 340 627	..
Albania	1 127	2 950	2 848	4 594	5 373	7 567	5 895	7 782	4 525
Armenia	..	..	1 555	1 261	1 773	2 563	2 210	2 354	2 498
Azerbaijan	..	..	1 658	1 534	3 009	3 447	1 738	2 104	1 890
Belarus	..	..	20	27	37	130	278	392	386
Bosnia and Herzegovina	..	..	3 058	5 094	5 998	8 026	5 551	5 665	3 855
Bulgaria	2 570	3 713	1 878	2 673	4 342	5 788	8 768	7 106	6 089
Croatia	..	..	4 128	6 454	7 060	9 298	7 510	8 364	7 056
Cyprus ¹	-	-	-	-	1	73	398	424	423
FYR of Macedonia	..	..	491	1 170	1 492	2 431	2 029	2 066	1 296
Georgia	..	..	7 577	5 860	6 236	9 367	8 454	9 338	9 298
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	7 366	7 531	7 856	8 022	9 448	11 985	..
Kosovo	..	..	..	52	112	157	140	245	180
Kyrgyzstan	..	..	9 986	12 825	12 788	11 108	11 100	11 494	..
Lithuania	..	..	414	340	460	911	1 678	2 088	..
Malta	-	-	-	-	-	1	100	133	163
Moldova	..	..	257	377	377	407	327	246	266
Montenegro	..	..	..	..	1 866	2 750	1 491	1 843	962
Romania	7 547	12 637	11 411	14 778	20 213	20 300	26 202	26 969	23 999
Russian Federation	..	..	165 982	164 159	173 135	167 028	168 963	185 700	186 314
Serbia	..	..	9 471	12 000	12 032	11 891	10 115	10 865	8 798
Tajikistan	..	..	16 500	14 025	16 967	16 400	17 000	16 632	17 133
Turkmenistan	..	..	700	-	-	-	-	-	..
Ukraine	..	..	10 514	11 280	12 401	13 391	7 103	9 252	12 066
Uzbekistan	..	..	6 648	5 879	8 630	10 846	11 830	11 830	..
Former Soviet Union	145 100	211 713	x	x	x	x	x	x	x
Former Yugoslavia	16 394	28 161	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	172 738	259 174	262 462	271 913	302 158	311 902	308 328	334 877	..
Algeria	752	257	135	54	555	174	222	334	..
Angola	814	595	725	912	2 219	3 703	5 193	5 815	..
Benin	-	-	-	2	1	1	19	20	..
Botswana	..	..	-	-	-	-	2	2	..
Cameroon	1 068	1 365	2 656	3 442	3 772	4 319	4 362	4 614	..
Congo	50	100	490	295	355	429	925	959	..
Côte d'Ivoire	168	1 352	1 322	1 764	1 547	1 687	1 457	1 702	..
Dem. Rep. of the Congo	3 768	4 243	5 625	5 979	7 367	7 819	8 937	9 121	..
Egypt	5 156	9 801	9 932	13 834	13 196	14 750	15 771	15 686	..
Eritrea	..	..	..	1	1	2	2	2	..
Ethiopia	333	484	1 062	1 651	2 833	4 949	10 433	11 222	..
Gabon	5	260	708	810	820	916	931	966	..
Ghana	3 872	5 276	5 721	6 609	5 629	6 996	5 848	5 588	..
Kenya	516	1 200	3 004	1 882	4 160	5 107	8 446	7 732	..
Libya	-	-	-	-	2	6	8	8	..
Mauritius	98	110	243	527	568	654	681	664	..
Morocco	1 192	1 515	1 220	782	1 185	4 127	4 409	4 656	4 635
Mozambique	191	301	284	9 652	13 264	16 647	17 207	15 609	..
Namibia	..	..	..	1 396	1 656	1 247	1 502	1 359	..
Niger	..	..	..	-	2	3	4	5	..
Nigeria	1 858	2 783	4 387	5 628	7 768	6 374	5 718	5 586	..
Senegal	38	40	44	53	322	330	410	429	..
South Africa	985	992	1 010	1 408	1 603	2 407	5 933	7 760	..
South Sudan	..	..	..	..	..	..	2	2	..
Sudan	427	572	958	1 183	1 261	6 202	8 420	8 051	..
Tanzania	296	684	1 549	2 135	1 778	2 726	2 150	2 412	..
Togo	38	38	95	100	76	97	61	209	..
Tunisia	73	24	46	87	187	190	558	582	..
Zambia	3 097	9 194	7 951	7 750	8 883	10 435	13 037	11 025	..
Zimbabwe	3 487	4 008	4 369	3 194	4 915	5 893	5 119	3 108	..
Other Africa	2 015	2 413	3 572	5 520	6 393	7 522	11 309	11 619	..
Africa	30 297	47 607	57 108	76 650	92 318	115 712	139 076	136 847	..

Includes electricity from hydro, geothermal, solar, wind, tide, wave, biofuels and the renewable fraction of municipal waste.

Excludes electricity from hydro pumped storage.

1. Please refer to section 'Geographical coverage'.

Production of electricity from renewable sources

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	331	583	884	749	749	729	724	736	..
Brunei Darussalam	-	-	-	-	-	-	2	1	..
Cambodia	..	..	..	1	59	55	2 041	2 664	..
DPR of Korea	9 480	10 600	15 600	10 200	13 132	13 400	10 000	12 800	..
India	28 979	46 557	71 688	77 426	118 935	158 142	213 568	239 323	..
Indonesia	1 030	1 345	6 833	14 891	17 351	26 913	24 922	31 849	..
Malaysia	1 108	1 396	3 989	6 966	5 192	7 478	14 948	21 089	..
Mongolia	..	..	-	4	4	42	220	220	..
Myanmar	576	796	1 193	1 892	2 997	5 105	9 399	9 744	..
Nepal	81	203	877	1 632	2 517	3 205	3 460	4 244	..
Pakistan	4 355	8 714	16 925	17 194	30 862	31 811	36 182	38 259	..
Philippines	1 875	5 599	11 959	19 425	18 308	17 815	20 944	21 970	..
Singapore	-	-	85	245	478	592	918	978	..
Sri Lanka	708	1 479	3 145	3 208	3 471	5 737	6 390	4 661	..
Chinese Taipei	3 399	2 926	6 384	5 616	5 920	7 323	9 004	11 035	..
Thailand	1 880	1 273	4 976	6 537	7 330	8 949	14 897	29 071	-
Viet Nam	420	1 488	5 369	14 551	16 995	27 655	56 304	64 365	..
Other Non-OECD Asia	1 109	2 332	4 621	8 203	8 847	13 509	25 033	25 399	..
Non-OECD Asia excl. China	55 331	85 291	154 528	188 740	253 147	328 460	448 956	518 408	..
People's Republic of China	38 000	58 210	126 788	225 588	404 451	781 638	1 397 878	1 539 766	1 256 898
Hong Kong, China	-	-	-	-	-	93	104	104	..
China	38 000	58 210	126 788	225 588	404 451	781 731	1 397 982	1 539 870	..
Argentina	3 051	15 240	17 983	29 482	35 366	35 807	40 791	39 579	..
Bolivia	984	1 095	1 212	1 999	2 020	2 301	2 678	2 060	..
Brazil	58 640	130 712	210 567	312 249	351 141	436 961	430 230	465 126	465 011
Colombia	7 939	14 512	27 771	32 570	40 355	42 857	50 007	50 683	..
Costa Rica	1 138	2 130	3 382	6 860	7 989	8 942	10 704	10 688	..
Cuba	781	1 051	1 540	1 034	490	564	801	810	..
Curaçao ¹	-	-	-	8	71	63	229	232	..
Dominican Republic	605	633	374	1 199	2 400	1 800	2 114	3 045	..
Ecuador	435	872	4 987	7 609	6 986	8 875	13 639	16 446	..
El Salvador	492	1 438	2 067	1 961	2 809	3 892	3 463	3 479	..
Guatemala	276	286	2 003	3 128	3 822	5 678	6 770	7 444	..
Haiti	96	232	474	283	265	177	83	71	..
Honduras	359	782	2 279	2 267	2 018	3 401	3 788	4 465	..
Jamaica	304	402	186	320	274	332	423	535	..
Nicaragua	379	532	894	503	1 056	1 354	2 292	2 395	..
Panama	104	986	2 269	3 442	3 747	4 216	6 726	7 252	..
Paraguay	342	700	27 178	53 492	51 166	54 065	55 743	63 770	..
Peru	4 999	7 095	10 605	16 327	18 428	20 716	25 443	26 105	..
Suriname	..	..	..	1 036	800	1 210	1 356	1 151	..
Trinidad and Tobago	29	26	31	20	22	-	-	-	..
Uruguay	1 565	3 488	7 068	7 086	6 722	9 634	12 168	12 795	..
Venezuela	6 225	14 587	36 983	62 886	77 229	76 780	74 899	67 633	..
Other Non-OECD Americas	1 144	1 063	1 564	442	2 090	1 636	1 434	1 461	..
Non-OECD Americas	89 887	197 862	361 417	546 203	617 266	721 261	745 781	787 225	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	2 842	5 620	6 083	3 701	16 171	9 699	14 326	16 699	..
Iraq	290	690	2 600	611	6 000	4 767	2 546	3 371	..
Jordan	-	-	12	42	65	73	184	928	..
Kuwait	-	-	-	-	-	-	-	2	..
Lebanon	478	850	500	449	1 046	839	479	382	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	1	1	..
Syrian Arab Republic	17	2 561	2 728	3 231	4 325	2 592	413	929	..
United Arab Emirates	-	-	-	-	-	-	296	356	..
Yemen	-	-	-	-	-	2	549	732	..
Middle East	3 627	9 721	11 923	8 034	27 607	17 972	18 794	23 400	..

Includes electricity from hydro, geothermal, solar, wind, tide, wave, biofuels and the renewable fraction of municipal waste.

Excludes electricity from hydro pumped storage.

1. Please refer to section 'Geographical coverage'.

Production of heat

<i>Unit: TJ</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	3 781 470	5 837 472	15 898 536	12 242 335	13 355 436	14 171 436	13 702 816	14 389 920	..
Non-OECD Total	2 778 075	4 166 134	13 692 296	9 770 782	10 406 810	10 820 049	10 692 631	11 181 387	..
OECD Total	1 003 395	1 671 338	2 206 240	2 471 553	2 948 626	3 351 387	3 010 185	3 208 533	3 159 412
Canada	4 003	43 140	28 587	35 983	38 552	19 406	28 296	25 561	25 460
Chile	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
United States	-	-	101 308	323 778	249 773	508 287	418 187	508 000	484 247
OECD Americas	4 003	43 140	129 895	359 761	288 325	527 693	446 483	533 561	509 707
Australia	-	5 443	2 269	-	-	-	-	-	-
Israel ¹	-	-	-	-	-	-	-	-	-
Japan	1 160	4 270	8 445	22 910	25 433	24 925	21 750	21 750	21 750
Korea	-	-	-	140 095	192 499	191 755	204 958	221 783	215 579
New Zealand	-	-	1 610	1 610	1 947	1 468	1 367	1 416	1 428
OECD Asia Oceania	1 160	9 713	12 324	164 615	219 879	218 148	228 075	244 949	238 757
Austria	-	7 817	28 447	47 883	58 716	82 444	84 086	86 262	87 638
Belgium	14 013	17 128	9 742	23 171	22 366	38 304	37 929	37 350	37 821
Czech Republic	-	71 602	154 981	139 216	139 236	148 600	121 307	128 439	127 112
Denmark	-	30 806	92 389	119 172	129 020	152 058	130 647	136 675	134 820
Estonia	..	..	103 826	26 959	26 777	25 548	21 204	23 940	23 940
Finland	26 471	52 704	86 832	150 590	179 265	210 973	177 593	196 325	194 888
France	10 808	9 968	19 997	135 470	178 280	169 234	162 539	179 773	179 876
Germany	268 696	360 840	448 383	315 920	493 999	515 168	457 561	469 259	469 681
Greece	-	-	-	1 174	2 049	1 941	2 093	2 134	2 070
Hungary	49 763	79 310	73 854	69 157	63 597	52 984	52 084	53 965	51 940
Iceland	-	1 576	15 799	18 236	19 744	21 549	26 606	34 325	35 039
Ireland	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	193 064	205 341	216 946	223 850	237 616
Latvia	..	..	99 439	31 867	31 144	28 662	25 459	28 967	29 977
Luxembourg	-	-	-	536	3 157	3 109	2 363	2 432	2 616
Netherlands	-	-	48 003	172 367	178 496	159 878	139 282	118 706	112 361
Norway	-	-	6 471	8 222	12 727	18 111	20 511	22 198	21 103
Poland	596 582	837 323	739 569	340 684	336 291	335 834	281 396	292 800	294 757
Portugal	-	892	1 188	5 626	13 712	21 111	19 614	18 846	18 810
Slovak Republic	31 899	27 226	33 552	36 824	52 545	48 582	36 661	37 516	32 503
Slovenia	..	..	8 223	9 389	10 104	9 781	8 685	9 003	8 970
Spain	-	-	181	-	-	-	-	-	-
Sweden	-	107 326	78 134	157 919	181 066	224 230	183 455	193 429	170 486
Switzerland	-	8 930	15 011	17 889	21 246	22 332	20 385	21 945	21 930
Turkey	-	-	-	16 796	36 637	52 810	48 094	52 899	56 009
United Kingdom	-	5 037	-	102 110	57 184	56 962	59 127	58 985	58 985
OECD Europe	998 232	1 618 485	2 064 021	1 947 177	2 440 422	2 605 546	2 335 627	2 430 023	2 410 948
<i>IEA</i>	<i>1 003 395</i>	<i>1 669 762</i>	<i>2 082 779</i>	<i>2 412 061</i>	<i>2 887 634</i>	<i>3 291 395</i>	<i>2 949 435</i>	<i>3 136 238</i>	<i>3 085 426</i>
<i>IEA/Accession/Association</i>	<i>1 003 395</i>	<i>1 978 832</i>	<i>2 709 143</i>	<i>3 876 521</i>	<i>5 183 479</i>	<i>6 316 292</i>	<i>6 968 807</i>	<i>7 452 775</i>	..
<i>European Union - 28</i>	..	..	<i>2 610 592</i>	<i>2 187 300</i>	<i>2 593 078</i>	<i>2 710 514</i>	<i>2 399 616</i>	<i>2 478 236</i>	..
<i>G7</i>	<i>284 667</i>	<i>423 255</i>	<i>606 720</i>	<i>936 171</i>	<i>1 236 285</i>	<i>1 499 323</i>	<i>1 364 406</i>	<i>1 487 178</i>	<i>1 477 615</i>
<i>G8</i>	..	..	<i>10 005 114</i>	<i>7 423 015</i>	<i>7 471 452</i>	<i>7 514 954</i>	<i>6 571 335</i>	<i>6 861 238</i>	..
<i>G20</i>	..	..	<i>12 775 959</i>	<i>10 678 166</i>	<i>11 666 984</i>	<i>12 548 225</i>	<i>12 347 202</i>	<i>12 998 826</i>	..
<i>OPEC</i>	-	-	-	-	-	-	-	-	..

1. Please refer to section 'Geographical coverage'.

Production of heat

Unit: TJ	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	2 778 075	4 166 134	13 692 296	9 770 782	10 406 810	10 820 049	10 692 631	11 181 387	..
Albania	-	-	353	229	-	-	-	-	-
Armenia	..	..	14 738	2 859	1 838	494	28	34	34
Azerbaijan	..	..	96 795	16 974	23 276	3 789	6 501	7 282	6 581
Belarus	..	..	426 333	278 947	288 976	278 221	241 857	249 665	252 853
Bosnia and Herzegovina	..	..	1 397	1 213	1 529	6 001	5 621	5 657	5 752
Bulgaria	33 065	84 100	210 056	50 750	52 111	59 350	50 345	48 202	44 137
Croatia	..	..	14 385	11 491	13 325	12 503	11 106	11 411	12 004
Cyprus ¹	-	-	-	-	-	5	51	50	50
FYR of Macedonia	..	..	4 697	7 391	3 452	2 731	2 193	2 239	2 372
Georgia	..	..	68 599	-	2 506	1 920	-	-	-
Gibraltar	-	-	-	-	-	-	-	-	-
Kazakhstan	..	..	527 000	283 997	382 337	402 385	408 147	361 022	..
Kosovo	..	..	..	291	411	231	579	795	870
Kyrgyzstan	..	..	17 004	9 907	14 750	12 929	16 745	9 904	..
Lithuania	..	..	101 299	48 244	49 900	48 806	41 460	43 148	..
Malta	-	-	-	-	-	-	6	8	8
Moldova	..	..	14 060	7 530	13 706	12 039	10 042	10 606	10 606
Montenegro	..	..	..	..	-	-	-	-	-
Romania	150 000	197 437	258 112	190 781	127 674	99 106	76 617	76 761	88 154
Russian Federation	..	..	9 398 394	6 486 844	6 235 167	6 015 631	5 206 929	5 374 060	5 384 806
Serbia	..	..	26 538	17 600	48 799	38 187	35 256	36 097	37 378
Tajikistan	..	..	4 710	3 165	3 796	392	1 499	1 648	1 793
Turkmenistan	..	..	-	4 752	6 187	8 041	9 846	9 846	..
Ukraine	..	..	1 719 226	746 799	707 645	622 309	378 210	447 526	..
Uzbekistan	..	..	124 785	106 563	99 362	127 258	122 042	119 947	..
Former Soviet Union	2 595 010	3 575 527	x	x	x	x	x	x	x
Former Yugoslavia	-	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	2 778 075	3 857 064	13 028 481	8 276 327	8 076 747	7 752 328	6 625 080	6 815 908	..
Algeria	-	-	-	-	-	-	-	-	..
Angola	-	-	-	-	-	-	-	-	..
Benin	-	-	-	-	-	-	-	-	..
Botswana	..	..	-	-	-	-	-	-	..
Cameroon	-	-	-	-	-	-	-	-	..
Congo	-	-	-	-	-	-	-	-	..
Côte d'Ivoire	-	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	-	-	-	-	-	-	-	-	..
Egypt	-	-	-	-	-	-	-	-	..
Eritrea	..	..	..	-	-	-	-	-	..
Ethiopia	-	-	-	-	-	-	-	-	..
Gabon	-	-	-	-	-	-	-	-	..
Ghana	-	-	-	-	-	-	-	-	..
Kenya	-	-	-	-	-	-	-	-	..
Libya	-	-	-	-	-	-	-	-	..
Mauritius	-	-	-	-	-	-	-	-	..
Morocco	-	-	-	-	-	-	-	-	..
Mozambique	-	-	-	-	-	-	-	-	..
Namibia	..	..	..	-	-	-	-	-	..
Niger	..	..	..	-	-	-	-	-	..
Nigeria	-	-	-	-	-	-	-	-	..
Senegal	-	-	-	1 167	1 538	971	382	513	..
South Africa	-	-	-	-	-	-	-	-	..
South Sudan	..	..	..	..	..	..	..	..	..
Sudan	-	-	-	-	-	-	-	-	..
Tanzania	-	-	-	-	-	-	-	-	..
Togo	-	-	-	-	-	-	-	-	..
Tunisia	-	-	-	-	-	6 841	3 084	3 217	..
Zambia	-	-	-	-	-	-	-	-	..
Zimbabwe	-	-	-	-	-	-	-	-	..
Other Africa	-	-	-	-	-	-	-	-	..
Africa	-	-	-	1 167	1 538	7 812	3 466	3 730	..

1. Please refer to section 'Geographical coverage'.

Production of heat

Unit: TJ	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	-	-	-	-	-	-	-	-	..
Brunei Darussalam	-	-	-	-	-	-	-	-	..
Cambodia	-	-	-	-	-	..
DPR of Korea	-	-	-	-	-	-	-	-	..
India	-	-	-	-	-	-	-	-	..
Indonesia	-	-	-	-	-	-	-	-	..
Malaysia	-	-	-	-	-	-	-	-	..
Mongolia	37 451	28 828	32 680	35 012	44 713	45 212	..
Myanmar	-	-	-	-	-	-	-	-	..
Nepal	-	-	-	-	-	-	-	-	..
Pakistan	-	-	-	-	-	-	-	-	..
Philippines	-	-	-	-	-	-	-	-	..
Singapore	-	-	-	-	-	-	-	-	..
Sri Lanka	-	-	-	-	-	-	-	-	..
Chinese Taipei	-	-	-	-	-	-	-	-	..
Thailand	-	-	-	-	-	-	-	-	389
Viet Nam	-	-	-	-	-	-	-	-	..
Other Non-OECD Asia	-	-	-	-	-	-	-	-	..
Non-OECD Asia excl. China	-	-	37 451	28 828	32 680	35 012	44 713	45 212	..
People's Republic of China	-	309 070	626 364	1 461 362	2 288 947	3 022 042	4 016 045	4 313 195	..
Hong Kong, China	-	-	-	-	-	-	-	-	..
China	-	309 070	626 364	1 461 362	2 288 947	3 022 042	4 016 045	4 313 195	..
Argentina	-	-	-	-	-	-	-	-	..
Bolivia	-	-	-	-	-	-	-	-	..
Brazil	-	-	-	3 098	6 898	2 855	3 327	3 342	3 805
Colombia	-	-	-	-	-	-	-	-	..
Costa Rica	-	-	-	-	-	-	-	-	..
Cuba	-	-	-	-	-	-	-	-	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	-	-	-	-	-	-	-	-	..
Ecuador	-	-	-	-	-	-	-	-	..
El Salvador	-	-	-	-	-	-	-	-	..
Guatemala	-	-	-	-	-	-	-	-	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	-	-	-	-	-	-	-	-	..
Jamaica	-	-	-	-	-	-	-	-	..
Nicaragua	-	-	-	-	-	-	-	-	..
Panama	-	-	-	-	-	-	-	-	..
Paraguay	-	-	-	-	-	-	-	-	..
Peru	-	-	-	-	-	-	-	-	..
Suriname	-	-	-	-	-	..
Trinidad and Tobago	-	-	-	-	-	-	-	-	..
Uruguay	-	-	-	-	-	-	-	-	..
Venezuela	-	-	-	-	-	-	-	-	..
Other Non-OECD Americas	-	-	-	-	-	-	-	-	..
Non-OECD Americas	-	-	-	3 098	6 898	2 855	3 327	3 342	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	-	-	-	-	-	-	-	-	..
Iraq	-	-	-	-	-	-	-	-	..
Jordan	-	-	-	-	-	-	-	-	..
Kuwait	-	-	-	-	-	-	-	-	..
Lebanon	-	-	-	-	-	-	-	-	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	-	-	..
Syrian Arab Republic	-	-	-	-	-	-	-	-	..
United Arab Emirates	-	-	-	-	-	-	-	-	..
Yemen	-	-	-	-	-	-	-	-	..
Middle East	-	-	-	-	-	-	-	-	..

1. Please refer to section 'Geographical coverage'.

Refinery output of oil products

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	2 719 473	2 959 448	3 052 384	3 470 162	3 765 295	3 852 348	4 035 579	4 067 197	..
Non-OECD Total	886 925	1 109 305	1 256 083	1 388 605	1 647 467	1 863 516	2 066 576	2 099 251	..
OECD Total	1 832 548	1 850 143	1 796 301	2 081 557	2 117 828	1 988 832	1 969 003	1 967 946	1 986 060
Canada	82 322	92 595	84 186	93 714	100 165	96 052	87 570	88 650	94 397
Chile	4 628	4 860	6 090	9 417	10 789	8 668	9 685	9 429	9 349
Mexico	25 858	50 432	66 919	65 262	69 805	63 375	56 815	50 634	41 021
United States	665 486	723 765	730 552	817 877	836 772	815 782	817 816	827 031	833 129
OECD Americas	778 294	871 652	887 747	986 270	1 017 531	983 877	971 886	975 744	977 896
Australia	25 251	28 933	30 758	36 708	32 962	30 776	24 547	21 437	20 745
Israel ¹	6 113	6 251	8 060	10 571	11 708	12 506	14 807	14 009	14 453
Japan	222 333	200 694	177 991	206 757	204 695	178 372	162 762	163 416	157 960
Korea	14 989	25 601	42 365	122 001	119 778	119 614	139 689	146 029	152 806
New Zealand	3 265	2 904	4 761	5 058	5 200	5 151	5 612	5 522	5 420
OECD Asia Oceania	271 951	264 383	263 935	381 095	374 343	346 419	347 417	350 413	351 384
Austria	8 817	10 252	8 895	8 732	9 225	8 020	9 148	8 565	8 446
Belgium	35 510	33 439	29 372	38 223	37 250	35 094	35 204	33 631	35 287
Czech Republic	7 586	9 660	7 948	6 131	8 132	8 174	7 508	5 604	8 183
Denmark	9 760	6 616	7 846	8 231	7 499	6 985	8 923	9 091	8 878
Estonia	..	..	-	-	-	-	-	-	-
Finland	9 045	12 484	10 344	12 596	12 590	13 911	12 824	14 332	14 422
France	133 792	115 717	78 333	88 576	86 210	71 095	59 505	58 777	60 016
Germany	139 508	136 512	105 957	115 973	122 697	101 450	99 200	100 381	101 530
Greece	12 423	14 134	16 442	22 232	21 240	22 197	28 427	30 217	31 685
Hungary	7 980	10 265	8 327	7 483	8 234	8 475	7 473	7 334	7 135
Iceland	-	-	-	-	-	-	-	-	-
Ireland	2 675	2 014	1 725	3 286	3 120	2 880	3 365	3 180	3 189
Italy	130 307	97 992	90 564	94 771	100 598	90 131	73 935	71 361	73 611
Latvia	..	..	-	-	-	-	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-
Netherlands	73 081	57 238	49 080	58 657	58 878	57 982	60 091	60 143	60 034
Norway	6 112	7 770	13 024	15 196	15 723	14 536	16 428	13 014	15 774
Poland	10 814	15 426	12 812	18 480	18 465	23 563	27 502	27 027	26 558
Portugal	4 222	7 609	11 428	12 308	13 563	11 912	15 092	15 099	15 731
Slovak Republic	6 043	8 099	7 081	5 875	6 191	6 087	6 437	6 214	6 101
Slovenia	..	..	545	167	-	-	-	-	-
Spain	42 423	48 517	52 796	59 830	60 310	57 644	64 967	64 893	65 768
Sweden	10 542	17 613	18 049	22 712	19 800	20 769	20 667	20 411	20 092
Switzerland	6 126	4 550	3 047	4 647	4 855	4 513	2 837	3 005	2 889
Turkey	12 533	12 657	22 884	23 745	25 638	19 907	29 234	29 605	31 518
United Kingdom	113 004	85 544	88 120	86 341	85 736	73 211	60 933	59 905	59 933
OECD Europe	782 303	714 108	644 619	714 192	725 954	658 536	649 700	641 789	656 780
<i>IEA</i>	<i>1 821 807</i>	<i>1 839 032</i>	<i>1 781 606</i>	<i>2 061 402</i>	<i>2 095 331</i>	<i>1 967 658</i>	<i>1 944 511</i>	<i>1 944 508</i>	<i>1 962 258</i>
<i>IEA/Accession/Association</i>	<i>1 968 749</i>	<i>2 063 377</i>	<i>2 100 687</i>	<i>2 585 716</i>	<i>2 764 382</i>	<i>2 825 761</i>	<i>2 965 397</i>	<i>2 994 222</i>	..
<i>European Union - 28</i>	..	..	<i>652 735</i>	<i>698 064</i>	<i>715 249</i>	<i>649 945</i>	<i>631 674</i>	<i>628 806</i>	..
<i>G7</i>	<i>1 486 752</i>	<i>1 452 819</i>	<i>1 355 703</i>	<i>1 504 009</i>	<i>1 536 873</i>	<i>1 426 093</i>	<i>1 361 721</i>	<i>1 369 521</i>	<i>1 380 576</i>
<i>G8</i>	..	..	<i>1 623 426</i>	<i>1 680 812</i>	<i>1 742 575</i>	<i>1 672 177</i>	<i>1 639 839</i>	<i>1 639 402</i>	..
<i>G20</i>	..	..	<i>2 444 192</i>	<i>2 801 533</i>	<i>3 008 260</i>	<i>3 104 009</i>	<i>3 300 225</i>	<i>3 337 721</i>	..
<i>OPEC</i>	<i>163 695</i>	<i>171 967</i>	<i>262 160</i>	<i>341 705</i>	<i>370 623</i>	<i>399 455</i>	<i>410 173</i>	<i>422 765</i>	..

1. Please refer to section 'Geographical coverage'.

Refinery output of oil products

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	886 925	1 109 305	1 256 083	1 388 605	1 647 467	1 863 516	2 066 576	2 099 251	..
Albania	1 646	1 905	1 137	302	392	153	276	179	..
Armenia	..	..	-	-	-	-	-	-	..
Azerbaijan	..	..	16 250	8 284	8 065	6 192	6 345	5 792	..
Belarus	..	..	39 206	13 352	19 455	16 220	23 174	18 697	..
Bosnia and Herzegovina	..	..	1 919	512	143	1 160	917	825	..
Bulgaria	9 359	13 208	7 679	5 181	6 297	5 970	6 681	6 942	..
Croatia	..	..	6 784	5 214	5 141	4 231	3 342	3 715	..
Cyprus ¹	663	583	626	1 172	-	-	-	-	..
FYR of Macedonia	..	..	1 193	936	1 147	829	-	-	..
Georgia	..	..	2 209	19	13	-	12	27	..
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	18 303	6 269	10 910	13 170	13 394	12 890	..
Kosovo	..	..	..	-	-	-	-	-	..
Kyrgyzstan	..	..	-	141	86	97	320	379	..
Lithuania	..	..	9 364	4 903	9 206	9 196	8 920	9 790	..
Malta	-	-	-	-	-	-	-	-	..
Moldova	..	..	-	-	7	21	11	16	..
Montenegro	..	..	..	..	-	-	-	-	..
Romania	17 986	26 298	22 618	10 990	14 867	10 968	11 530	12 194	..
Russian Federation	..	..	267 723	176 803	205 702	246 084	278 118	269 881	..
Serbia	..	..	4 674	1 215	3 302	2 890	3 382	3 435	..
Tajikistan	..	..	56	12	14	19	10	16	..
Turkmenistan	..	..	3 611	5 187	6 973	8 573	8 550	8 540	..
Ukraine	..	..	61 648	9 284	19 226	11 924	2 793	3 153	..
Uzbekistan	..	..	7 912	6 862	5 092	3 883	2 663	2 462	..
Former Soviet Union	332 100	448 500	x	x	x	x	x	x	x
Former Yugoslavia	9 029	14 173	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	370 783	504 667	472 912	256 638	316 038	341 580	370 438	358 933	..
Algeria	6 127	11 019	20 862	20 342	18 015	26 402	29 734	29 532	..
Angola	735	1 230	1 582	1 835	1 823	1 864	2 598	2 640	..
Benin	-	-	-	-	-	-	-	-	..
Botswana	..	..	-	-	-	-	-	-	..
Cameroon	-	194	837	1 543	1 815	2 057	1 613	1 596	..
Congo	-	-	536	399	525	655	738	746	..
Côte d'Ivoire	1 154	1 781	2 035	2 976	3 934	3 067	3 170	3 204	..
Dem. Rep. of the Congo	690	394	315	-	-	-	-	-	..
Egypt	6 979	13 830	23 479	25 063	30 776	28 862	25 601	24 799	..
Eritrea	..	..	..	-	-	-	-	-	..
Ethiopia	616	581	655	-	-	-	-	-	..
Gabon	1 055	1 254	316	614	711	955	801	804	..
Ghana	971	1 045	742	1 063	1 606	948	92	763	..
Kenya	2 638	3 026	2 198	2 004	1 635	1 482	658	696	..
Libya	1 608	5 618	11 999	16 611	16 872	16 762	4 326	4 025	..
Mauritius	-	-	-	-	-	-	-	-	..
Morocco	2 224	4 188	5 559	6 579	6 863	6 461	3 127	-	..
Mozambique	739	690	-	-	-	-	-	-	..
Namibia	..	..	..	-	-	-	-	-	..
Niger	..	..	..	-	-	-	664	620	..
Nigeria	2 762	7 088	12 849	4 980	10 122	5 254	1 610	3 401	..
Senegal	670	746	675	895	875	572	1 012	1 124	..
South Africa	12 907	11 992	13 083	17 214	23 060	18 552	20 111	22 237	..
South Sudan	..	..	..	..	..	..	-	-	..
Sudan	1 145	901	809	1 850	3 297	4 868	3 260	4 329	..
Tanzania	785	540	584	-	-	-	-	-	..
Togo	-	202	-	-	-	-	-	-	..
Tunisia	1 036	1 560	1 666	1 940	1 779	262	1 306	1 185	..
Zambia	403	745	677	23	379	588	605	455	..
Zimbabwe	-	-	-	-	-	-	-	-	..
Other Africa	1 515	1 436	1 145	440	145	-	-	-	..
Africa	46 759	70 060	102 603	106 371	124 232	119 611	101 026	102 156	..

1. Please refer to section 'Geographical coverage'.

Refinery output of oil products

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	609	1 211	1 010	1 370	1 132	1 272	1 247	1 174	..
Brunei Darussalam	-	1	321	538	596	615	468	315	..
Cambodia	..	..	..	-	-	-	-	-	..
DPR of Korea	-	1 831	1 995	371	459	510	515	515	..
India	20 724	25 488	51 272	102 551	128 891	200 166	239 551	252 506	..
Indonesia	10 130	17 982	37 021	49 018	46 927	44 896	45 181	46 096	..
Malaysia	3 858	5 547	10 086	20 453	20 902	20 660	23 689	24 252	..
Mongolia	..	..	-	-	-	-	-	-	..
Myanmar	974	1 303	701	980	737	821	583	430	..
Nepal	-	-	-	-	-	-	-	-	..
Pakistan	3 360	4 391	5 711	8 890	11 165	9 385	11 690	12 577	..
Philippines	8 645	9 101	10 484	14 816	9 914	8 238	9 530	9 781	..
Singapore	22 799	31 367	40 397	40 293	57 366	48 772	47 415	50 931	..
Sri Lanka	1 708	1 816	1 686	2 272	1 817	1 662	1 616	1 648	..
Chinese Taipei	9 004	17 822	21 425	36 822	52 109	44 895	43 243	43 471	..
Thailand	7 479	7 584	11 410	35 878	45 957	51 782	58 895	58 277	..
Viet Nam	-	-	-	-	-	5 536	6 597	7 034	..
Other Non-OECD Asia	-	-	-	-	929	853	1 003	1 018	..
Non-OECD Asia excl. China	89 290	125 444	193 519	314 252	378 901	440 063	491 223	510 025	..
People's Republic of China	41 600	78 138	106 701	195 886	280 628	400 692	510 022	533 237	..
Hong Kong, China	-	-	-	-	-	-	-	-	..
China	41 600	78 138	106 701	195 886	280 628	400 692	510 022	533 237	..
Argentina	23 491	25 397	22 304	29 529	28 632	29 324	30 665	29 505	..
Bolivia	770	1 192	1 185	1 481	1 986	2 027	2 855	2 855	..
Brazil	37 358	54 738	60 631	84 692	91 630	96 666	107 010	99 238	96 103
Colombia	8 121	7 473	11 014	15 129	14 862	13 748	13 673	15 130	..
Costa Rica	382	507	442	6	487	502	-	-	..
Cuba	5 249	5 973	6 613	2 134	2 207	4 932	4 377	2 605	..
Curaçao ¹	43 644	27 666	10 004	11 261	11 784	4 240	9 062	8 216	..
Dominican Republic	1 174	1 527	1 044	2 107	1 945	1 295	751	1 081	..
Ecuador	1 570	4 702	5 996	7 756	8 219	7 673	6 703	8 185	..
El Salvador	613	643	678	949	1 033	808	-	-	..
Guatemala	919	744	419	841	72	72	65	55	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	616	491	407	-	-	-	-	-	..
Jamaica	1 761	905	1 351	956	456	1 186	1 194	1 072	..
Nicaragua	566	529	605	830	756	768	722	651	..
Panama	3 318	1 890	1 161	2 135	-	-	-	-	..
Paraguay	194	258	304	102	30	-	-	-	..
Peru	4 774	7 176	7 289	7 571	8 793	9 219	8 272	8 146	..
Suriname	..	..	..	282	398	385	427	383	..
Trinidad and Tobago	19 584	11 352	4 261	7 966	8 369	6 194	6 273	7 398	..
Uruguay	1 655	1 825	1 169	1 844	2 051	1 897	1 910	2 132	..
Venezuela	69 927	47 369	48 826	53 485	49 719	57 823	43 773	38 199	..
Other Non-OECD Americas	12 948	8 887	957	12 154	11 444	862	899	908	..
Non-OECD Americas	238 634	211 244	186 660	243 210	244 873	239 621	238 631	225 759	..
Bahrain	12 042	12 096	12 335	12 715	13 205	13 022	13 301	12 866	..
Islamic Republic of Iran	28 831	34 028	40 888	77 131	81 366	83 844	85 720	85 388	..
Iraq	4 035	9 156	17 911	24 401	22 212	24 926	20 099	20 404	..
Jordan	671	1 731	2 605	3 796	4 273	3 267	3 110	2 633	..
Kuwait	18 754	16 804	11 704	35 756	41 760	42 571	42 178	37 834	..
Lebanon	2 420	2 227	92	-	-	-	-	-	..
Oman	-	-	3 221	4 030	4 376	7 854	10 812	10 876	..
Qatar	20	376	2 893	3 115	5 380	13 575	11 914	12 853	..
Saudi Arabia	28 271	32 760	77 067	81 712	97 726	93 806	119 460	129 413	..
Syrian Arab Republic	1 963	6 545	11 202	12 036	12 363	11 721	6 486	6 018	..
United Arab Emirates	-	563	9 267	13 967	16 698	24 000	41 257	50 087	..
Yemen	2 852	3 466	4 503	3 589	3 436	3 363	899	769	..
Middle East	99 859	119 752	193 688	272 248	302 795	321 949	355 236	369 141	..

1. Please refer to section 'Geographical coverage'.

Net imports of coking coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World¹	..	- 2 146	- 37 949	- 8 768	- 13 665	- 20 343	- 44 040	- 34 557	- 33 265
Non-OECD Total	..	1 024	- 13 267	20 657	37 687	81 339	84 806	86 999	90 508
OECD Total	..	- 3 170	- 24 682	- 29 425	- 51 352	- 101 682	- 128 846	- 121 556	- 123 773
Canada	..	- 7 738	- 22 360	- 24 090	- 22 599	- 24 465	- 24 177	- 24 588	- 25 151
Chile	..	454	492	714	692	450	566	467	575
Mexico	..	823	222	1 792	1 773	1 426	1 874	456	132
United States	..	- 57 246	- 57 568	- 28 233	- 24 398	- 49 521	- 40 179	- 36 261	- 49 472
OECD Americas	..	- 63 707	- 79 214	- 49 817	- 44 532	- 72 110	- 61 916	- 59 926	- 73 916
Australia	..	- 33 487	- 57 750	- 99 161	- 124 915	- 157 251	- 187 563	- 187 978	- 177 157
Israel ²	..	-	-	-	-	-	-	-	-
Japan	..	62 194	65 534	55 219	53 535	54 432	46 838	48 294	47 347
Korea	..	3 987	11 287	19 575	20 627	28 160	33 933	35 254	35 676
New Zealand	..	- 70	- 335	- 1 551	- 2 331	- 2 300	- 1 326	- 1 187	- 1 142
OECD Asia Oceania	..	32 624	18 736	- 25 918	- 53 084	- 76 959	- 108 118	- 105 617	- 95 276
Austria	..	2 371	2 376	1 738	2 063	1 907	1 730	1 797	1 751
Belgium	..	3 993	7 132	3 733	3 503	2 742	1 694	1 477	1 635
Czech Republic	..	- 5 200	- 4 504	- 3 210	- 2 718	- 2 590	- 316	- 427	594
Denmark	..	7	-	-	-	-	-	-	-
Estonia	..	-	-	-	-	-	-	-	-
Finland	..	-	711	1 258	1 401	1 327	1 322	1 289	1 488
France	..	10 456	7 848	6 543	6 222	4 504	4 332	4 463	4 287
Germany	..	- 5 598	- 2 296	4 605	7 152	7 787	7 845	12 320	12 847
Greece	..	384	-	-	-	-	-	-	-
Hungary	..	812	610	1 234	898	1 460	1 310	1 222	1 337
Iceland	..	-	-	-	-	-	-	-	-
Ireland	..	-	14	-	-	-	-	-	-
Italy	..	11 377	8 648	7 198	5 784	5 066	2 292	2 415	2 257
Latvia	..	-	-	-	-	-	-	-	-
Luxembourg	..	-	-	-	-	-	-	-	-
Netherlands	..	3 360	4 647	3 926	4 751	4 569	3 876	4 589	4 225
Norway	..	272	-	-	-	-	-	-	-
Poland	..	- 6 223	- 10 666	- 4 027	- 2 541	1 340	389	- 228	877
Portugal	..	393	377	487	-	-	-	-	-
Slovak Republic	..	2 330	3 132	2 596	2 732	2 472	2 740	2 686	2 732
Slovenia	..	-	1	-	-	-	-	-	-
Spain	..	4 074	4 169	3 755	3 571	2 777	1 721	1 767	1 767
Sweden	..	1 790	1 315	1 814	1 955	2 258	1 573	2 047	1 667
Switzerland	..	-	-	-	-	-	-	-	-
Turkey	..	943	3 717	6 202	4 943	5 135	5 931	5 790	5 265
United Kingdom	..	2 372	8 565	8 458	6 548	6 633	4 749	2 780	2 690
OECD Europe	..	27 913	35 796	46 310	46 264	47 387	41 188	43 987	45 419
<i>IEA</i>	..	- 3 624	- 25 175	- 30 139	- 52 044	- 102 132	- 129 412	- 122 023	- 124 348
<i>IEA/Accession/Association</i>	..	495	- 11 935	- 15 749	- 24 289	- 12 244	- 23 353	- 5 181	4 330
<i>European Union - 28</i>	38 300	43 782	45 416	42 351	35 271	38 207	40 154
<i>G7</i>	..	15 817	8 371	29 700	32 244	4 436	1 700	9 423	- 5 195
<i>G8</i>	- 23 202	22 600	23 127	- 12 747	- 16 009	- 11 687	- 26 972
<i>G20</i>	- 39 955	- 18 415	- 25 548	- 25 517	- 39 517	- 25 519	- 17 505
<i>OPEC</i>	..	948	1 139	1 288	1 394	876	2 368	2 388	1 179

A negative number shows net exports.

1. World shows the discrepancy between total exports and total imports.
2. Please refer to section 'Geographical coverage'.

Net imports of coking coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	1 024	- 13 267	20 657	37 687	81 339	84 806	86 999	90 508
Albania	..	25	62	-	-	-	-	-	-
Armenia	-	-	-	-	-	-	-
Azerbaijan	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-
Bosnia and Herzegovina	-	-	592	1 231	1 323	1 302	1 361
Bulgaria	..	1 926	1 854	1 304	1 043	-	-	-	-
Croatia	767	-	-	-	-	-	-
Cyprus ¹	-	-	-	-	-	-	-
FYR of Macedonia	132	60	-	-	-	-	-
Georgia	124	-	-	-	-	-	-
Gibraltar	-	-	-	-	-	-	-
Kazakhstan	-	- 344	- 247	- 294	- 1 467	- 1 127	- 1 127
Kosovo	-	-	-	-	-	-
Kyrgyzstan	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-
Malta	-	-	-	-	-	-	-
Moldova	-	-	-	-	-	-	-
Montenegro	-	-	-	-	-
Romania	..	3 400	3 600	2 370	3 052	99	14	10	-
Russian Federation	- 31 573	- 7 100	- 9 117	- 17 183	- 17 709	- 21 110	- 21 777
Serbia	-	-	-	-	-	-	-
Tajikistan	-	2	-	-	-	-	-
Turkmenistan	-	-	-	-	-	-	-
Ukraine	- 7 775	2 737	6 393	7 486	5 254	7 773	11 800
Uzbekistan	-	-	-	-	-	-	-
Former Soviet Union	..	- 12 000	x	x	x	x	x	x	x
Former Yugoslavia	..	3 402	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	- 3 247	- 32 809	- 971	1 716	- 8 661	- 12 585	- 13 152	- 9 743
Algeria	..	90	913	593	840	-	-	-	-
Angola	..	-	-	-	-	-	-	-	-
Benin	..	-	-	-	-	-	-	-	-
Botswana	-	-	-	-	-	-	-
Cameroon	..	-	-	-	-	-	-	-	-
Congo	..	-	-	-	-	-	-	-	-
Côte d'Ivoire	..	-	-	-	-	-	-	-	-
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	-
Egypt	..	802	1 339	1 820	1 810	987	341	257	598
Eritrea	-	-	-	-	-	-
Ethiopia	..	-	-	-	-	-	-	-	-
Gabon	..	-	-	-	-	-	-	-	-
Ghana	..	-	-	-	-	-	-	-	-
Kenya	..	-	-	-	-	-	-	-	-
Libya	..	-	-	-	-	-	-	-	-
Mauritius	..	-	-	-	-	-	-	-	-
Morocco	..	-	-	-	-	-	-	-	-
Mozambique	..	-	-	-	-	-	- 4 060	- 3 863	- 6 953
Namibia	-	-	-	-	-	-
Niger	-	-	-	-	-	-
Nigeria	..	-	-	-	-	-	-	-	-
Senegal	..	-	-	-	-	-	-	-	-
South Africa	..	- 3 447	- 3 633	- 635	1 335	1 275	100	- 509	- 1 153
South Sudan	-	-	-
Sudan	..	-	-	-	-	-	-	-	-
Tanzania	..	-	-	-	-	-	-	-	-
Togo	..	-	-	-	-	-	-	-	-
Tunisia	..	-	-	-	-	-	-	-	-
Zambia	..	-	-	-	-	-	-	-	-
Zimbabwe	..	-	-	-	-	-	-	-	-
Other Africa	..	-	-	-	-	-	-	-	-
Africa	..	- 2 555	- 1 381	1 778	3 985	2 262	- 3 619	- 4 115	- 7 508

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of coking coal

Unit: 1000 tonnes	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	-	-	-
Brunei Darussalam	..	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-
DPR of Korea	..	450	2 600	-	-	-	-	-	-
India	..	550	5 854	10 439	16 845	34 615	47 381	47 014	46 935
Indonesia	..	-	- 29	- 476	- 1 124	- 1 892	778	559	1 901
Malaysia	..	-	-	-	-	-	-	-	-
Mongolia	-	-	- 1 016	- 7 999	- 12 509	- 20 424	- 25 730
Myanmar	..	-	-	-	-	-	-	-	-
Nepal	..	-	-	-	-	-	-	-	-
Pakistan	..	98	900	950	565	429	-	-	-
Philippines	..	-	-	-	-	-	-	-	-
Singapore	..	-	-	-	-	-	-	-	-
Sri Lanka	..	-	-	-	-	-	-	-	-
Chinese Taipei	..	1 513	4 237	5 158	4 968	5 524	6 405	6 581	6 599
Thailand	..	-	-	-	-	-	-	-	31
Viet Nam	..	-	-	-	-	-	-	-	-
Other Non-OECD Asia	..	-	-	-	-	-	-	-	-
Non-OECD Asia excl. China	..	2 611	13 562	16 071	20 238	30 677	42 055	33 730	29 736
People's Republic of China	..	- 1 400	- 3 223	- 6 131	1 947	45 943	47 030	58 104	67 670
Hong Kong, China	..	-	-	-	-	-	-	-	-
China	..	- 1 400	- 3 223	- 6 131	1 947	45 943	47 030	58 104	67 670
Argentina	..	870	1 121	558	789	686	671	551	559
Bolivia	..	-	-	-	-	-	-	-	-
Brazil	..	4 515	10 146	9 844	9 395	10 772	10 304	10 698	11 566
Colombia	..	- 667	- 946	- 1 231	- 937	- 1 216	- 1 418	- 1 205	- 2 951
Costa Rica	..	-	-	-	-	-	-	-	-
Cuba	..	-	-	-	-	-	-	-	-
Curaçao ¹	..	-	-	-	-	-	-	-	-
Dominican Republic	..	-	-	-	-	-	-	-	-
Ecuador	..	-	-	-	-	-	-	-	-
El Salvador	..	-	-	-	-	-	-	-	-
Guatemala	..	-	-	-	-	-	-	-	-
Haiti	..	-	-	-	-	-	-	-	-
Honduras	..	-	-	-	-	-	-	-	-
Jamaica	..	-	-	-	-	-	-	-	-
Nicaragua	..	-	-	-	-	-	-	-	-
Panama	..	-	-	-	-	-	-	-	-
Paraguay	..	-	-	-	-	-	-	-	-
Peru	..	39	37	44	-	-	-	-	-
Suriname	-	-	-	-	-	-
Trinidad and Tobago	..	-	-	-	-	-	-	-	-
Uruguay	..	-	-	-	-	-	-	-	-
Venezuela	..	-	-	-	-	-	-	-	-
Other Non-OECD Americas	..	-	-	-	-	-	-	-	-
Non-OECD Americas	..	4 757	10 358	9 215	9 247	10 242	9 557	10 044	9 174
Bahrain	..	-	-	-	-	-	-	-	-
Islamic Republic of Iran	..	858	226	695	554	- 70	197	216	- 5
Iraq	..	-	-	-	-	-	-	-	-
Jordan	..	-	-	-	-	-	-	-	-
Kuwait	..	-	-	-	-	-	-	-	-
Lebanon	..	-	-	-	-	-	-	-	-
Oman	..	-	-	-	-	-	-	-	-
Qatar	..	-	-	-	-	-	-	-	-
Saudi Arabia	..	-	-	-	-	-	-	-	-
Syrian Arab Republic	..	-	-	-	-	-	-	-	-
United Arab Emirates	..	-	-	-	-	946	2 171	2 172	1 184
Yemen	..	-	-	-	-	-	-	-	-
Middle East	..	858	226	695	554	876	2 368	2 388	1 179

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of other bituminous coal and anthracite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World¹	..	- 4 224	24 992	10 422	20 792	104 057	176 539	175 693	205 551
Non-OECD Total	..	- 29 574	- 36 163	- 157 036	- 243 872	- 144 117	- 32 275	- 11 793	10 639
OECD Total	..	25 350	61 155	167 458	264 664	248 174	208 814	187 486	194 912
Canada	..	8 103	5 529	10 798	7 820	- 15	- 143	- 596	298
Chile	..	369	1 168	3 688	3 318	6 483	8 484	10 248	9 627
Mexico	..	-	-	-	5 507	6 322	5 368	6 198	6 597
United States	..	- 24 898	- 35 895	- 12 467	12 141	- 1 531	- 13 515	- 8 677	- 25 062
OECD Americas	..	- 16 426	- 29 198	2 019	28 786	11 259	194	7 173	- 8 540
Australia	..	- 8 895	- 45 646	- 87 801	- 107 415	- 135 314	- 204 660	- 201 293	- 201 721
Israel ²	..	1	3 998	9 917	12 685	12 310	11 042	8 795	8 516
Japan	..	6 315	41 383	95 116	123 447	130 977	142 427	137 674	140 161
Korea	..	1 045	11 560	39 851	53 269	85 341	93 147	92 638	105 136
New Zealand	..	-	-	16	62	- 68	31	74	74
OECD Asia Oceania	..	- 1 534	11 295	57 099	82 048	93 246	41 987	37 888	52 166
Austria	..	507	1 233	1 671	2 270	1 726	1 287	1 534	1 730
Belgium	..	5 666	6 961	6 250	4 097	2 929	2 291	1 970	1 863
Czech Republic	..	1 724	1 784	- 1 582	- 1 280	- 1 453	- 104	476	629
Denmark	..	9 960	10 201	6 293	5 935	4 499	2 665	2 865	3 075
Estonia	373	101	54	71	7	23	45
Finland	..	4 669	5 390	3 814	3 322	4 593	2 279	2 723	2 708
France	..	18 524	10 956	12 348	13 334	12 944	8 174	7 261	9 735
Germany	..	9 087	10 364	23 064	29 698	37 685	46 504	45 159	34 851
Greece	..	149	1 380	1 186	633	617	257	312	412
Hungary	..	-	-	-	548	297	63	162	178
Iceland	..	12	65	101	117	106	116	124	122
Ireland	..	1 149	3 039	2 738	3 011	1 587	2 381	1 902	1 974
Italy	..	5 820	11 797	11 815	18 366	16 641	16 812	14 162	12 977
Latvia	908	80	116	178	69	61	62
Luxembourg	..	364	197	172	122	102	73	81	68
Netherlands	..	2 249	9 009	9 026	8 259	9 998	16 622	10 291	11 537
Norway	..	376	459	345	- 999	- 1 007	- 431	- 252	706
Poland	..	- 23 120	- 16 839	- 17 766	- 13 456	2 298	- 1 291	- 569	5 403
Portugal	..	5	4 292	5 880	5 272	2 657	5 420	4 911	5 666
Slovak Republic	..	2 700	2 734	2 255	2 531	1 326	923	871	1 076
Slovenia	22	13	49	27	15	13	11
Spain	..	1 587	6 283	17 894	21 185	8 552	15 926	11 610	17 146
Sweden	..	388	2 226	1 276	1 245	1 026	1 218	1 053	1 064
Switzerland	..	574	473	250	100	130	76	47	52
Turkey	..	-	1 840	6 788	12 417	16 948	27 897	30 365	32 887
United Kingdom	..	920	3 911	14 328	36 884	19 192	17 384	5 270	5 309
OECD Europe	..	43 310	79 058	108 340	153 830	143 669	166 633	142 425	151 286
<i>IEA</i>	..	24 968	54 994	153 659	248 379	229 070	189 088	168 245	176 574
<i>IEA/Accession/Association</i>	..	22 244	42 657	91 124	148 995	270 620	337 650	351 706	364 534
<i>European Union - 28</i>	83 308	103 901	146 345	131 584	141 353	114 320	119 487
<i>G7</i>	..	23 871	48 045	155 002	241 690	215 893	217 643	200 253	178 269
<i>G8</i>	76 777	150 883	187 191	125 660	106 091	77 251	45 741
<i>G20</i>	38 596	16 331	23 487	102 787	125 875	133 788	134 388
<i>OPEC</i>	..	-	- 1 869	- 7 992	- 6 943	- 2 429	- 220	44	114

A negative number shows net exports.

1. World shows the discrepancy between total exports and total imports.

2. Please refer to section 'Geographical coverage'.

Net imports of other bituminous coal and anthracite

Unit: 1000 tonnes	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	- 29 574	- 36 163	- 157 036	- 243 872	- 144 117	- 32 275	- 11 793	10 639
Albania	..	135	240	-	-	167	102	81	112
Armenia	552	-	-	1	1	2	-
Azerbaijan	200	-	-	-	-	-	-
Belarus	2 350	569	139	55	634	688	589
Bosnia and Herzegovina	-	-	-	-	-	-	-
Bulgaria	..	4 806	3 936	2 129	3 045	2 731	1 061	762	895
Croatia	109	703	958	1 113	974	1 045	594
Cyprus ¹	97	50	63	17	6	-	16
FYR of Macedonia	12	-	3	4	15	26	34
Georgia	546	12	13	8	110	104	162
Gibraltar	-	-	-	-	-	-	-
Kazakhstan	- 42 194	- 33 368	- 23 354	- 28 829	- 27 384	- 22 638	- 23 640
Kosovo	9	12	34	12	2	2
Kyrgyzstan	2 519	684	966	1 103	1 144	544	1 136
Lithuania	1 264	11	2	158	227	225	275
Malta	300	-	-	-	-	-	-
Moldova	4 525	138	166	181	166	99	199
Montenegro	-	-	-	-	-
Romania	..	549	1 381	152	82	73	110	147	188
Russian Federation	28 732	- 4 119	- 54 499	- 90 233	- 111 552	- 123 002	- 132 528
Serbia	-	130	67	151	218	179	149
Tajikistan	569	5	4	7	13	10	1
Turkmenistan	670	-	-	-	-	-	-
Ukraine	2 669	1 549	- 2 664	- 1 535	8 850	7 355	7 342
Uzbekistan	2 540	-	-	-	-	-	-
Former Soviet Union	..	- 10 100	x	x	x	x	x	x	x
Former Yugoslavia	..	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	- 4 610	11 017	- 31 346	- 74 997	- 114 794	- 125 293	- 134 371	- 144 474
Algeria	..	-	-	-	-	-	-	-	-
Angola	..	-	-	-	-	-	-	-	-
Benin	..	-	-	-	-	-	41	120	-
Botswana	21	93	17	- 56	- 249	- 205	- 95
Cameroon	..	-	-	-	-	-	-	-	-
Congo	..	-	-	-	-	-	-	-	-
Côte d'Ivoire	..	-	-	-	-	-	-	-	-
Dem. Rep. of the Congo	..	29	45	-	-	-	-	-	-
Egypt	..	-	1	- 58	- 25	-	-	-	-
Eritrea	-	-	-	-	-	-
Ethiopia	..	-	-	-	-	25	411	442	487
Gabon	..	-	-	-	-	-	-	-	-
Ghana	..	-	-	-	-	-	-	-	-
Kenya	..	16	151	107	145	268	566	557	529
Libya	..	-	-	-	-	-	-	-	-
Mauritius	..	-	56	222	379	661	804	926	1 431
Morocco	..	- 79	1 201	3 962	4 838	4 264	6 460	6 724	6 809
Mozambique	..	81	18	- 16	- 3	- 28	- 749	- 5 374	- 4 827
Namibia	3	20	-	-	-	6
Niger	-	-	-	-	-	-
Nigeria	..	-	- 35	-	-	-	-	-	79
Senegal	..	-	-	-	152	287	606	737	613
South Africa	..	- 24 712	- 46 267	- 68 166	- 70 918	- 66 396	- 75 411	- 68 905	- 69 812
South Sudan
Sudan	..	-	-	-	-	-	-	-	-
Tanzania	..	-	-	-	-	-	-	-	-
Togo	..	-	-	-	-	-	-	-	-
Tunisia	..	21	15	-	-	-	-	-	-
Zambia	..	-	- 65	- 6	- 10	-	-	-	-
Zimbabwe	..	- 154	10	12	52	34	24	24	24
Other Africa	..	81	37	176	178	365	566	578	578
Africa	..	- 24 717	- 44 812	- 63 671	- 65 175	- 60 576	- 66 931	- 64 376	- 64 178

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of other bituminous coal and anthracite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	235	563	660	700	800	3 651	2 184	2 614
Brunei Darussalam	..	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-
DPR of Korea	..	- 100	- 500	- 360	- 2 804	- 4 553	- 18 910	- 21 346	- 1 965
India	..	- 110	92	9 199	19 752	54 769	83 976	74 866	82 847
Indonesia	..	- 68	- 2 984	- 39 710	- 92 662	- 165 003	- 136 470	- 129 046	- 139 942
Malaysia	..	84	2 215	3 052	10 418	20 639	25 213	27 214	30 682
Mongolia	-	-	- 1 099	- 8 651	- 1 916	- 3 129	- 7 259
Myanmar	..	210	40	-	-	-	-	-	-
Nepal	..	83	81	413	401	490	910	1 128	911
Pakistan	..	-	-	-	2 278	3 838	4 885	5 165	10 039
Philippines	..	254	1 344	6 158	6 104	7 938	13 593	15 157	17 426
Singapore	..	-	-	-	1	-	649	681	732
Sri Lanka	..	-	8	1	93	108	1 881	2 405	2 270
Chinese Taipei	..	3 124	14 290	35 550	50 487	53 387	46 925	46 513	48 687
Thailand	..	94	250	3 684	8 479	16 781	23 943	22 547	23 298
Viet Nam	..	- 635	- 789	- 3 251	- 17 467	- 18 863	4 019	9 535	10 454
Other Non-OECD Asia	..	146	200	287	212	541	816	828	970
Non-OECD Asia excl. China	..	3 317	14 810	15 683	- 15 107	- 37 779	53 165	54 702	81 764
People's Republic of China	..	- 2 930	- 12 064	- 46 748	- 47 413	119 376	151 905	188 849	195 389
Hong Kong, China	..	3	8 928	6 058	10 824	10 324	11 184	11 161	10 503
China	..	- 2 927	- 3 136	- 40 690	- 36 589	129 700	163 089	200 010	205 892
Argentina	..	-	80	241	569	758	754	644	948
Bolivia	..	-	-	-	-	-	-	-	-
Brazil	..	-	-	3 390	4 303	4 880	9 615	8 592	9 200
Colombia	..	- 762	- 12 559	- 34 160	- 52 667	- 66 932	- 71 370	- 82 120	- 83 167
Costa Rica	..	1	-	1	2	1	1	1	1
Cuba	..	95	153	22	22	23	7	2	2
Curaçao ¹	..	-	-	-	-	-	-	-	-
Dominican Republic	..	-	17	90	712	911	1 115	1 123	1 041
Ecuador	..	-	-	-	-	-	-	-	-
El Salvador	..	-	-	-	-	-	-	-	-
Guatemala	..	22	-	215	408	571	2 232	2 045	1 497
Haiti	..	-	12	-	-	-	-	-	-
Honduras	..	-	-	135	241	107	113	164	172
Jamaica	..	-	50	53	60	51	108	94	122
Nicaragua	..	-	-	-	-	-	-	-	-
Panama	..	-	32	60	-	-	339	300	87
Paraguay	..	-	-	-	-	-	-	-	-
Peru	..	-	6	607	940	837	151	445	122
Suriname	-	-	-	-	-	-
Trinidad and Tobago	..	-	-	-	-	-	-	-	-
Uruguay	..	4	1	1	1	4	4	5	4
Venezuela	..	-	- 1 834	- 7 930	- 7 143	- 2 457	- 643	- 580	- 312
Other Non-OECD Americas	..	1	-	125	148	155	206	210	744
Non-OECD Americas	..	- 639	- 14 042	- 37 150	- 52 404	- 61 091	- 57 368	- 69 075	- 69 539
Bahrain	..	-	-	-	-	-	-	-	-
Islamic Republic of Iran	..	-	-	- 62	- 36	6	18	15	15
Iraq	..	-	-	-	-	-	-	-	-
Jordan	..	-	-	-	-	-	253	315	156
Kuwait	..	-	-	-	-	-	-	-	-
Lebanon	..	1	-	200	200	225	253	257	262
Oman	..	-	-	-	-	-	-	-	-
Qatar	..	-	-	-	-	-	-	-	-
Saudi Arabia	..	-	-	-	-	-	-	-	-
Syrian Arab Republic	..	1	-	-	-	-	-	-	-
United Arab Emirates	..	-	-	-	236	22	405	609	332
Yemen	..	-	-	-	-	170	134	121	409
Middle East	..	2	-	138	400	423	1 063	1 317	1 174

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of sub-bituminous coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World¹	..	744	1 050	- 222	- 20 441	- 58 680	- 127 811	- 144 974	- 147 664
Non-OECD Total	..	- 40	- 897	- 10 575	- 27 966	- 63 524	- 134 783	- 154 610	- 154 707
OECD Total	..	784	1 947	10 353	7 525	4 844	6 972	9 636	7 043
Canada	..	-	-	4 441	7 704	3 784	1 490	1 249	1 337
Chile	..	-	-	-	-	-	-	-	-
Mexico	..	-	-	636	1	-	458	1 621	3 667
United States	..	-	-	- 1 035	- 5 332	- 5 456	- 3 208	- 871	- 6 432
OECD Americas	..	-	-	4 042	2 373	- 1 672	- 1 260	1 999	- 1 428
Australia	..	-	-	-	-	-	-	-	-
Israel ²	..	-	-	-	-	-	-	-	-
Japan	..	-	-	-	-	-	-	-	-
Korea	..	-	882	5 469	2 862	5 090	6 824	6 569	7 423
New Zealand	..	-	-	-	1 022	199	362	379	344
OECD Asia Oceania	..	-	882	5 469	3 884	5 289	7 186	6 948	7 767
Austria	..	-	-	38	64	69	82	70	66
Belgium	..	-	- 56	- 61	- 25	-	-	-	-
Czech Republic	..	-	-	-	-	-	-	-	-
Denmark	..	-	-	-	-	-	-	-	-
Estonia	..	-	-	-	-	-	-	-	-
Finland	..	-	-	-	-	-	-	-	-
France	..	-	-	-	-	-	-	-	-
Germany	..	-	-	-	-	-	-	-	-
Greece	..	-	-	-	-	-	-	-	-
Hungary	..	777	889	430	705	291	161	130	142
Iceland	..	-	-	-	-	-	-	-	-
Ireland	..	-	-	-	-	-	-	-	-
Italy	..	-	-	-	-	394	445	128	124
Latvia	..	-	-	-	-	-	-	-	-
Luxembourg	..	-	-	-	-	-	-	-	-
Netherlands	..	-	-	-	-	-	-	-	-
Norway	..	-	-	-	-	-	-	-	-
Poland	..	-	-	-	-	-	-	-	-
Portugal	..	-	-	-	-	-	-	-	-
Slovak Republic	..	-	-	-	-	-	-	-	-
Slovenia	..	-	231	435	524	473	358	361	372
Spain	..	7	1	-	-	-	-	-	-
Sweden	..	-	-	-	-	-	-	-	-
Switzerland	..	-	-	-	-	-	-	-	-
Turkey	..	-	-	-	-	-	-	-	-
United Kingdom	..	-	-	-	-	-	-	-	-
OECD Europe	..	784	1 065	842	1 268	1 227	1 046	689	704
<i>IEA</i>	..	784	1 716	9 918	7 001	4 371	6 614	9 275	6 671
<i>IEA/Accession/Association</i>	..	744	819	- 6 553	- 27 723	- 62 832	- 143 112	- 160 219	- 164 932
<i>European Union - 28</i>	1 065	961	2 177	1 998	1 711	1 330	1 381
<i>G7</i>	..	-	-	3 406	2 372	- 1 278	- 1 273	506	- 4 971
<i>G8</i>	-	3 406	2 372	- 1 278	- 1 273	506	- 4 971
<i>G20</i>	1 050	- 5 999	- 27 312	- 61 787	- 142 451	- 159 596	- 164 227
<i>OPEC</i>	..	-	-	-	-	-	-	-	-

A negative number shows net exports.

1. World shows the discrepancy between total exports and total imports.

2. Please refer to section 'Geographical coverage'.

Net imports of sub-bituminous coal

Unit: 1000 tonnes	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	- 40	- 897	- 10 575	- 27 966	- 63 524	- 134 783	- 154 610	- 154 707
Albania	..	-	-	-	-	-	-	-	-
Armenia	-	-	-	-	-	-	-
Azerbaijan	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-
Bosnia and Herzegovina	-	- 12	- 119	- 297	-	-	-
Bulgaria	..	-	-	-	-	-	-	-	-
Croatia	-	-	-	28	-	-	-
Cyprus ¹	..	-	-	-	-	-	-	-	-
FYR of Macedonia	-	-	95	199	123	159	117
Georgia	-	-	-	-	-	-	-
Gibraltar	..	-	-	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-	-
Kosovo	-	-	-	-	-	-
Kyrgyzstan	-	-	-	-	-	-	-
Lithuania	-	119	289	125	-	-	-
Malta	..	-	-	-	-	-	-	-	-
Moldova	-	-	-	-	-	-	-
Montenegro	-	-	-	-	-	-
Romania	..	-	-	-	620	618	665	641	677
Russian Federation	-	-	-	-	-	-	-
Serbia	-	-	151	-	-	-	-
Tajikistan	-	-	-	-	-	-	-
Turkmenistan	-	-	-	-	-	-	-
Ukraine	-	-	-	-	-	-	-
Uzbekistan	-	-	-	-	-	-	-
Former Soviet Union	..	-	x	x	x	x	x	x	x
Former Yugoslavia	..	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	-	-	107	1 036	673	788	800	794
Algeria	..	-	-	-	-	-	-	-	-
Angola	..	-	-	-	-	-	-	-	-
Benin	..	-	-	-	-	-	-	-	-
Botswana	-	-	-	-	-	-	-
Cameroon	..	-	-	-	-	-	-	-	-
Congo	..	-	-	-	-	-	-	-	-
Côte d'Ivoire	..	-	-	-	-	-	-	-	-
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	-
Egypt	..	-	-	-	-	-	-	-	-
Eritrea	-	-	-	-	-	-
Ethiopia	..	-	-	-	-	-	-	-	-
Gabon	..	-	-	-	-	-	-	-	-
Ghana	..	-	-	-	-	-	-	-	-
Kenya	..	-	-	-	-	-	-	-	-
Libya	..	-	-	-	-	-	-	-	-
Mauritius	..	-	-	-	-	-	-	-	-
Morocco	..	-	-	-	-	-	-	-	-
Mozambique	..	-	-	-	-	-	-	-	-
Namibia	-	-	-	-	-	-
Niger	-	-	-	-	-	-
Nigeria	..	-	-	-	-	-	-	-	-
Senegal	..	-	-	-	-	-	-	-	-
South Africa	..	-	-	-	-	-	-	-	-
South Sudan	-	-	-
Sudan	..	-	-	-	-	-	-	-	-
Tanzania	..	-	-	-	-	-	-	-	-
Togo	..	-	-	-	-	-	-	-	-
Tunisia	..	-	-	-	-	-	-	-	-
Zambia	..	-	-	-	-	-	-	-	-
Zimbabwe	..	-	-	-	-	-	-	-	-
Other Africa	..	-	-	-	-	-	-	-	-
Africa	..	-	-	-	-	-	-	-	-

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of sub-bituminous coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	-	-	-
Brunei Darussalam	..	-	-	-	-	-	-	-	-
Cambodia	-	-	27	1 235	1 429	2 382
DPR of Korea	..	-	-	-	-	-	-	-	-
India	..	-	-	-	-	30 590	79 173	70 824	76 987
Indonesia	..	- 40	- 897	- 16 471	- 34 724	- 98 050	- 229 253	- 240 530	- 248 795
Malaysia	..	-	-	-	-	-	-	-	-
Mongolia	-	-	-	-	-	-	-
Myanmar	..	-	-	-	-	-	-	-	-
Nepal	..	-	-	-	-	-	-	-	-
Pakistan	..	-	-	-	-	-	-	-	-
Philippines	..	-	-	1 088	925	- 1 265	331	- 2 298	- 2 413
Singapore	..	-	-	-	-	-	-	-	-
Sri Lanka	..	-	-	-	-	-	-	-	-
Chinese Taipei	..	-	-	4 701	4 797	4 244	11 429	12 532	12 304
Thailand	..	-	-	-	-	-	-	-	-
Viet Nam	..	-	-	-	-	-	1 160	2 421	3 829
Other Non-OECD Asia	..	-	-	-	-	-	-	-	-
Non-OECD Asia excl. China	..	- 40	- 897	- 10 682	- 29 002	- 64 454	- 135 925	- 155 622	- 155 706
People's Republic of China
Hong Kong, China	..	-	-	-	-	-	-	-	-
China	..	-	-	-	-	-	-	-	-
Argentina	..	-	-	-	-	-	-	-	-
Bolivia	..	-	-	-	-	-	-	-	-
Brazil	..	-	-	-	-	257	354	212	205
Colombia	..	-	-	-	-	-	-	-	-
Costa Rica	..	-	-	-	-	-	-	-	-
Cuba	..	-	-	-	-	-	-	-	-
Curaçao ¹	..	-	-	-	-	-	-	-	-
Dominican Republic	..	-	-	-	-	-	-	-	-
Ecuador	..	-	-	-	-	-	-	-	-
El Salvador	..	-	-	-	-	-	-	-	-
Guatemala	..	-	-	-	-	-	-	-	-
Haiti	..	-	-	-	-	-	-	-	-
Honduras	..	-	-	-	-	-	-	-	-
Jamaica	..	-	-	-	-	-	-	-	-
Nicaragua	..	-	-	-	-	-	-	-	-
Panama	..	-	-	-	-	-	-	-	-
Paraguay	..	-	-	-	-	-	-	-	-
Peru	..	-	-	-	-	-	-	-	-
Suriname
Trinidad and Tobago	..	-	-	-	-	-	-	-	-
Uruguay	..	-	-	-	-	-	-	-	-
Venezuela	..	-	-	-	-	-	-	-	-
Other Non-OECD Americas	..	-	-	-	-	-	-	-	-
Non-OECD Americas	..	-	-	-	-	257	354	212	205
Bahrain	..	-	-	-	-	-	-	-	-
Islamic Republic of Iran	..	-	-	-	-	-	-	-	-
Iraq	..	-	-	-	-	-	-	-	-
Jordan	..	-	-	-	-	-	-	-	-
Kuwait	..	-	-	-	-	-	-	-	-
Lebanon	..	-	-	-	-	-	-	-	-
Oman	..	-	-	-	-	-	-	-	-
Qatar	..	-	-	-	-	-	-	-	-
Saudi Arabia	..	-	-	-	-	-	-	-	-
Syrian Arab Republic	..	-	-	-	-	-	-	-	-
United Arab Emirates	..	-	-	-	-	-	-	-	-
Yemen	..	-	-	-	-	-	-	-	-
Middle East	..	-	-	-	-	-	-	-	-

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of lignite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World¹	..	1 974	- 1 424	- 295	- 741	- 2 226	- 4 296	- 4 809	- 8 039
Non-OECD Total	..	109	- 1 364	- 470	149	- 1 898	- 4 086	- 4 812	- 8 175
OECD Total	..	1 865	- 60	175	- 890	- 328	- 210	3	136
Canada	..	-	- 9	-	- 127	- 128	- 86	- 76	- 66
Chile	..	-	-	-	-	-	-	-	-
Mexico	..	-	-	4	3	4	4	3	3
United States	..	- 59	- 70	25	- 83	- 68	78	68	66
OECD Americas	..	- 59	- 79	29	- 207	- 192	- 4	- 5	3
Australia	..	-	-	-	-	-	-	-	-
Israel ²	..	-	-	-	-	-	-	-	-
Japan	..	-	-	-	-	-	-	-	-
Korea	..	-	-	-	-	-	-	-	-
New Zealand	..	-	-	-	-	-	-	-	-
OECD Asia Oceania	..	-	-	-	-	-	-	-	-
Austria	..	260	33	16	48	35	11	10	10
Belgium	..	95	276	-	-	-	-	-	-
Czech Republic	..	- 9 037	- 9 239	- 2 767	- 1 206	- 946	146	- 717	- 776
Denmark	..	-	-	-	-	-	-	-	-
Estonia	..	-	-	-	-	-	-	-	-
Finland	..	-	-	-	-	-	-	-	-
France	..	-	69	52	36	52	118	99	61
Germany	..	2 114	1 904	1 795	8	-	- 894	26	30
Greece	..	-	-	- 21	-	34	-	-	-
Hungary	..	- 44	263	225	- 373	- 2	- 292	- 163	60
Iceland	..	-	-	-	-	-	-	-	-
Ireland	..	-	-	-	-	-	-	-	-
Italy	..	99	133	12	8	6	3	2	2
Latvia	..	-	5	-	-	-	-	-	-
Luxembourg	..	28	-	-	-	-	-	-	-
Netherlands	..	156	56	28	28	22	21	36	78
Norway	..	-	-	-	-	-	-	-	-
Poland	..	- 1 569	- 193	- 9	- 8	- 91	83	77	55
Portugal	..	-	-	-	-	-	-	-	-
Slovak Republic	..	10 020	6 753	799	737	613	436	494	490
Slovenia	..	-	- 66	- 1	-	75	30	11	-
Spain	..	-	-	-	-	-	-	-	-
Sweden	..	- 1	2	-	-	-	-	-	-
Switzerland	..	-	8	6	39	66	132	133	123
Turkey	..	- 197	15	11	-	-	-	-	-
United Kingdom	..	-	-	-	-	-	-	-	-
OECD Europe	..	1 924	19	146	- 683	- 136	- 206	8	133
<i>IEA</i>	..	1 865	1	176	- 890	- 403	- 240	- 8	136
<i>IEA/Accession/Association</i>	..	1 866	3	176	- 890	- 403	- 241	46	316
<i>European Union - 28</i>	4 151	412	- 267	- 88	- 341	112	38
<i>G7</i>	..	2 154	2 027	1 884	- 158	- 138	- 781	119	93
<i>G8</i>	- 1 107	302	- 457	17	- 2 621	- 2 857	- 6 287
<i>G20</i>	953	- 1 130	- 773	- 125	- 2 186	- 2 870	- 6 339
<i>OPEC</i>	..	-	-	-	-	2	-	-	-

A negative number shows net exports.

1. World shows the discrepancy between total exports and total imports.

2. Please refer to section 'Geographical coverage'.

Net imports of lignite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	109	- 1 364	- 470	149	- 1 898	- 4 086	- 4 812	- 8 175
Albania	..	-	- 228	43	9	-	-	-	- 55
Armenia	-	-	-	-	-	-	-
Azerbaijan	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-
Bosnia and Herzegovina	-	- 49	- 180	- 35	- 302	- 171	- 145
Bulgaria	-	-	-	- 43	- 36	- 17	- 21
Croatia	704	80	83	59	57	44	49
Cyprus ¹	-	-	1	1	-	-	-
FYR of Macedonia	35	4	190	- 3	48	19	13
Georgia	- 412	- 1	-	-	- 2	- 2	- 2
Gibraltar	-	-	-	-	-	-	-
Kazakhstan	-	- 120	- 212	- 1 917	- 2 357	- 2 204	- 2 227
Kosovo	-	42	22	- 43	- 16	- 6
Kyrgyzstan	-	20	6	10	- 1	- 86	31
Lithuania	-	1	3	1	-	-	-
Malta	-	-	-	-	-	-	-
Moldova	-	-	-	-	-	-	-
Montenegro	- 36	- 54	- 53	- 37	- 92
Romania	..	260	3 451	202	368	96	- 24	210	-
Russian Federation	- 3 134	- 1 582	- 299	155	- 1 840	- 2 976	- 6 380
Serbia	-	100	265	210	751	270	416
Tajikistan	-	-	-	-	-	-	-
Turkmenistan	-	-	-	-	-	-	-
Ukraine ²	- 1 365	- 9	25	-	-	-	-
Uzbekistan	-	973	109	83	- 21	- 21	-
Former Soviet Union	..	30	x	x	x	x	x	x	x
Former Yugoslavia	..	- 397	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	- 107	- 949	- 338	374	- 1 415	- 3 823	- 4 987	- 8 419
Algeria	..	-	-	-	-	-	-	-	-
Angola	..	-	-	-	-	-	-	-	-
Benin	..	-	-	-	-	-	-	-	-
Botswana	..	-	-	-	-	-	-	-	-
Cameroon	..	-	-	-	-	-	-	-	-
Congo	..	-	-	-	-	-	-	-	-
Côte d'Ivoire	..	-	-	-	-	-	-	-	-
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	-
Egypt	..	-	-	-	-	-	-	-	-
Eritrea	-	-	-	-	-	-
Ethiopia	..	-	-	-	-	-	-	-	-
Gabon	..	-	-	-	-	-	-	-	-
Ghana	..	-	-	-	-	-	-	-	-
Kenya	..	-	-	-	-	-	-	-	-
Libya	..	-	-	-	-	-	-	-	-
Mauritius	..	-	-	-	-	-	-	-	-
Morocco	..	-	-	-	-	-	-	-	-
Mozambique	..	-	-	-	-	-	-	-	-
Namibia	-	-	-	-	-	-
Niger	-	-	-	-	-	-
Nigeria	..	-	-	-	-	-	-	-	-
Senegal	..	-	-	-	-	-	-	-	-
South Africa	..	-	-	-	-	-	-	-	-
South Sudan	-	-	-
Sudan	..	-	-	-	-	-	-	-	-
Tanzania	..	-	-	-	-	-	-	-	-
Togo	..	-	-	-	-	-	-	-	-
Tunisia	..	-	-	-	-	-	-	-	-
Zambia	..	-	-	-	-	-	-	-	-
Zimbabwe	..	-	-	-	-	-	-	-	-
Other Africa	..	-	-	-	-	-	-	-	-
Africa	..	-	-	-	-	-	-	-	-

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

2. Peat includes lignite starting from 2007. See confidentiality issue in section 'Country notes and sources'.

Net imports of lignite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	32	-	56
Brunei Darussalam	..	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-
DPR of Korea	..	-	-	-	-	-	-	-	-
India	..	-	-	-	-	-	- 1	- 1	-
Indonesia	..	-	-	-	-	-	-	-	-
Malaysia	..	-	-	-	-	-	-	-	-
Mongolia	- 417	43	-	- 76	- 306	- 553	- 408
Myanmar	..	-	-	-	-	-	-	424	288
Nepal	..	-	-	-	-	-	-	-	-
Pakistan	..	-	-	-	-	-	-	-	-
Philippines	..	-	-	-	-	-	12	250	128
Singapore	..	1	2	-	-	-	-	-	-
Sri Lanka	..	-	-	-	-	-	-	-	-
Chinese Taipei	..	-	-	-	-	-	-	-	-
Thailand	..	-	-	-	-	-	-	55	180
Viet Nam	..	-	-	-	-	-	-	-	-
Other Non-OECD Asia	..	215	-	- 175	- 225	- 409	-	-	-
Non-OECD Asia excl. China	..	216	- 415	- 132	- 225	- 485	- 263	175	244
People's Republic of China
Hong Kong, China	..	-	-	-	-	-	-	-	-
China	..	-	-	-	-	-	-	-	-
Argentina	..	-	-	-	-	-	-	-	-
Bolivia	..	-	-	-	-	-	-	-	-
Brazil	..	-	-	-	-	-	-	-	-
Colombia	..	-	-	-	-	-	-	-	-
Costa Rica	..	-	-	-	-	-	-	-	-
Cuba	..	-	-	-	-	-	-	-	-
Curaçao ¹	..	-	-	-	-	-	-	-	-
Dominican Republic	..	-	-	-	-	-	-	-	-
Ecuador	..	-	-	-	-	-	-	-	-
El Salvador	..	-	-	-	-	-	-	-	-
Guatemala	..	-	-	-	-	-	-	-	-
Haiti	..	-	-	-	-	-	-	-	-
Honduras	..	-	-	-	-	-	-	-	-
Jamaica	..	-	-	-	-	-	-	-	-
Nicaragua	..	-	-	-	-	-	-	-	-
Panama	..	-	-	-	-	-	-	-	-
Paraguay	..	-	-	-	-	-	-	-	-
Peru	..	-	-	-	-	-	-	-	-
Suriname
Trinidad and Tobago	..	-	-	-	-	-	-	-	-
Uruguay	..	-	-	-	-	-	-	-	-
Venezuela	..	-	-	-	-	-	-	-	-
Other Non-OECD Americas	..	-	-	-	-	-	-	-	-
Non-OECD Americas	..	-	-	-	-	-	-	-	-
Bahrain	..	-	-	-	-	-	-	-	-
Islamic Republic of Iran	..	-	-	-	-	-	-	-	-
Iraq	..	-	-	-	-	-	-	-	-
Jordan	..	-	-	-	-	-	-	-	-
Kuwait	..	-	-	-	-	-	-	-	-
Lebanon	..	-	-	-	-	-	-	-	-
Oman	..	-	-	-	-	-	-	-	-
Qatar	..	-	-	-	-	-	-	-	-
Saudi Arabia	..	-	-	-	-	-	-	-	-
Syrian Arab Republic	..	-	-	-	-	-	-	-	-
United Arab Emirates	..	-	-	-	-	2	-	-	-
Yemen	..	-	-	-	-	-	-	-	-
Middle East	..	-	-	-	-	2	-	-	-

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of crude oil, NGL, refinery feedstocks and additives

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World¹	- 30 826	25 264	74 362	60 805	43 380	119 019	61 796	32 503	..
Non-OECD Total	-1 232 397	-1 075 605	- 874 835	-1 063 577	-1 224 539	-1 046 463	- 938 657	- 966 551	..
OECD Total	1 201 571	1 100 869	949 197	1 124 382	1 267 919	1 165 482	1 000 453	999 054	983 654
Canada	- 13 560	12 369	- 10 080	- 29 971	- 36 713	- 60 283	- 106 638	- 112 573	- 124 794
Chile	3 141	3 249	5 393	9 674	10 222	8 454	8 550	8 485	9 084
Mexico	3 552	- 45 601	- 69 404	- 91 274	- 99 763	- 71 249	- 59 479	- 62 694	- 61 841
United States	171 241	289 440	339 415	505 111	576 391	513 306	347 509	370 573	344 733
OECD Americas	164 374	259 457	265 324	393 540	450 137	390 228	189 942	203 791	167 182
Australia	8 657	10 098	4 327	3 507	8 395	7 247	7 349	4 775	6 204
Israel ²	2 700	7 399	8 300	11 366	11 007	12 524	14 684	13 425	14 251
Japan	245 094	218 760	202 858	217 802	212 696	181 382	165 037	162 169	157 388
Korea	14 004	24 812	41 841	123 221	115 016	118 749	138 995	145 846	151 468
New Zealand	3 176	2 633	2 313	3 478	4 177	2 745	3 597	3 946	4 104
OECD Asia Oceania	273 631	263 702	259 639	359 374	351 291	322 647	329 662	330 161	333 415
Austria	6 633	8 868	7 898	7 812	8 071	7 112	8 128	7 476	7 444
Belgium	37 320	33 436	26 708	33 986	32 329	31 092	31 792	30 965	33 038
Czech Republic	7 193	9 213	7 392	5 614	7 767	7 740	7 129	5 334	7 824
Denmark	9 760	6 355	2 008	- 8 205	- 10 967	- 5 080	- 575	- 451	343
Estonia	..	..	-	- 123	- 222	- 388	- 769	- 636	- 878
Finland	9 524	12 876	8 713	11 834	10 748	11 212	10 888	12 153	12 380
France	134 920	113 557	75 274	83 914	84 100	64 205	57 437	55 344	57 273
Germany	126 630	119 561	88 060	100 467	111 611	92 562	90 942	91 143	90 734
Greece	13 717	14 534	14 698	20 383	19 301	20 393	26 816	28 218	28 944
Hungary	6 064	7 451	6 418	5 808	6 268	5 978	6 515	6 175	5 990
Iceland	-	-	-	-	-	-	-	-	-
Ireland	2 684	2 034	2 007	2 973	3 273	2 952	3 642	3 197	2 918
Italy	128 944	94 322	83 713	89 882	93 820	83 970	67 474	65 419	68 542
Latvia	..	..	-	93	4	2	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-
Netherlands	72 161	49 891	47 758	59 745	61 005	59 478	59 133	60 583	60 829
Norway	4 545	- 15 692	- 66 622	- 145 268	- 110 753	- 78 840	- 63 764	- 68 759	- 65 614
Poland	11 140	16 351	13 129	18 131	18 067	23 133	26 375	24 537	25 057
Portugal	4 348	8 316	11 189	12 133	13 473	11 646	15 014	14 715	15 445
Slovak Republic	6 684	9 777	6 169	5 314	5 318	5 454	5 897	5 788	5 537
Slovenia	..	..	587	149	-	-	-	-	-
Spain	42 970	47 516	53 268	58 782	60 243	56 208	64 907	63 749	65 167
Sweden	10 606	17 713	17 016	20 343	19 986	19 410	19 311	18 867	18 696
Switzerland	6 180	4 604	3 128	4 649	4 876	4 542	2 854	2 990	2 889
Turkey	9 306	10 490	20 062	21 583	23 389	16 954	24 742	24 418	25 433
United Kingdom	112 237	6 537	- 4 339	- 38 531	4 784	12 872	16 961	13 877	15 066
OECD Europe	763 566	577 710	424 234	371 468	466 491	452 607	480 849	465 102	483 057
<i>IEA</i>	<i>1 195 730</i>	<i>1 090 221</i>	<i>934 917</i>	<i>1 103 100</i>	<i>1 246 686</i>	<i>1 144 502</i>	<i>977 219</i>	<i>977 144</i>	<i>960 319</i>
<i>IEA/Accession/Association</i>	<i>1 227 222</i>	<i>1 122 972</i>	<i>995 203</i>	<i>1 328 304</i>	<i>1 578 771</i>	<i>1 632 817</i>	<i>1 599 954</i>	<i>1 640 556</i>	<i>..</i>
<i>European Union - 28</i>	<i>..</i>	<i>..</i>	<i>506 433</i>	<i>510 423</i>	<i>577 242</i>	<i>534 715</i>	<i>542 624</i>	<i>534 094</i>	<i>..</i>
<i>G7</i>	<i>905 506</i>	<i>854 546</i>	<i>774 901</i>	<i>928 674</i>	<i>1 046 689</i>	<i>888 014</i>	<i>638 722</i>	<i>645 952</i>	<i>608 942</i>
<i>G8</i>	<i>..</i>	<i>..</i>	<i>571 601</i>	<i>790 152</i>	<i>796 528</i>	<i>642 070</i>	<i>395 941</i>	<i>391 834</i>	<i>..</i>
<i>G20</i>	<i>..</i>	<i>..</i>	<i>600 684</i>	<i>953 046</i>	<i>984 231</i>	<i>1 108 129</i>	<i>991 459</i>	<i>1 026 495</i>	<i>..</i>
<i>OPEC</i>	<i>-1 322 892</i>	<i>-1 099 125</i>	<i>- 834 263</i>	<i>-1 090 052</i>	<i>-1 260 519</i>	<i>-1 165 274</i>	<i>-1 215 255</i>	<i>-1 293 472</i>	<i>..</i>

A negative number shows net exports.

1. World shows the discrepancy between total exports and total imports.

2. Please refer to section 'Geographical coverage'.

Net imports of crude oil, NGL, refinery feedstocks and additives

Unit: 1000 tonnes	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	-1 232 397	-1 075 605	- 874 835	-1 063 577	-1 224 539	-1 046 463	- 938 657	- 966 551	..
Albania	- 412	-	-	-	-	- 498	- 987	- 888	..
Armenia	..	..	-	-	-	-	-	-	..
Azerbaijan	..	..	4 290	- 5 638	- 14 296	- 44 507	- 35 110	- 34 973	..
Belarus	..	..	37 466	11 659	17 972	14 739	21 800	16 899	..
Bosnia and Herzegovina	..	..	2 000	532	146	1 136	928	929	..
Bulgaria	9 652	13 000	8 201	5 306	6 355	5 994	6 686	6 812	..
Croatia	..	..	4 376	3 919	4 306	3 618	2 764	2 994	..
Cyprus ¹	656	579	624	1 155	-	-	-	-	..
FYR of Macedonia	..	..	1 214	801	961	843	-	-	..
Georgia	..	..	2 134	- 75	- 47	- 50	- 20	- 72	..
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	- 6 241	- 28 410	- 50 911	- 63 307	- 63 507	- 60 946	..
Kosovo	..	..	..	-	-	-	-	-	..
Kyrgyzstan	..	..	- 158	21	15	15	224	243	..
Lithuania	..	..	9 508	4 741	8 913	9 183	9 004	9 851	..
Malta	-	-	-	-	-	-	-	-	..
Moldova	..	..	-	-	-	-	-	-	..
Montenegro	..	..	..	..	-	-	-	-	..
Romania	4 143	15 961	16 058	4 798	8 689	5 969	7 153	7 984	..
Russian Federation	..	..	- 203 300	- 138 522	- 250 161	- 245 944	- 242 781	- 254 118	..
Serbia	..	..	3 837	281	3 073	1 904	2 013	2 285	..
Tajikistan	..	..	-	- 5	- 5	- 5	-	-	..
Turkmenistan	..	..	450	- 1 600	- 2 510	- 1 300	- 3 450	- 2 480	..
Ukraine	..	..	53 100	5 744	14 844	7 809	215	501	..
Uzbekistan	..	..	5 200	8	10	15	21	23	..
Former Soviet Union	- 72 100	- 115 500	x	x	x	x	x	x	x
Former Yugoslavia	8 226	10 944	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	- 49 835	- 75 016	- 61 241	- 135 285	- 252 646	- 304 386	- 295 047	- 304 956	..
Algeria	- 44 856	- 37 846	- 31 121	- 37 023	- 58 497	- 38 734	- 28 930	- 30 203	..
Angola	- 7 323	- 6 204	- 21 741	- 37 074	- 60 102	- 85 535	- 85 546	- 81 915	..
Benin	..	-	- 206	-	-	-	-	-	..
Botswana	..	..	-	-	-	-	-	-	..
Cameroon	-	- 3 360	- 5 968	- 4 154	- 2 655	- 1 110	- 2 853	- 2 868	..
Congo	- 1 461	- 3 348	- 7 425	- 13 210	- 12 042	- 15 264	- 11 799	- 11 944	..
Côte d'Ivoire	1 255	1 742	2 046	2 786	1 853	1 085	1 779	550	..
Dem. Rep. of the Congo	732	- 673	- 1 035	- 1 186	- 1 269	- 1 109	- 1 048	- 996	..
Egypt	- 1 610	- 16 876	- 19 615	- 9 891	449	- 5 744	- 9 161	- 10 235	..
Eritrea	..	..	..	-	-	-	-	-	..
Ethiopia	624	636	700	-	-	-	-	-	..
Gabon	- 6 500	- 7 502	- 11 909	- 13 177	- 12 643	- 12 156	- 10 701	- 10 561	..
Ghana	1 069	1 042	819	1 285	1 968	1 662	- 4 898	- 2 826	..
Kenya	2 696	3 075	2 178	2 452	1 774	1 552	701	739	..
Libya	- 106 278	- 82 818	- 52 719	- 50 624	- 67 746	- 69 435	- 15 845	- 16 152	..
Mauritius	-	-	-	-	-	-	-	-	..
Morocco	2 094	3 988	5 681	6 853	6 910	6 083	3 053	-	..
Mozambique	792	725	-	-	- 21	- 30	-	-	..
Namibia	..	..	..	-	-	-	-	-	..
Niger	..	..	..	-	-	-	-	-	..
Nigeria	- 98 640	- 94 632	- 74 892	- 109 985	- 118 714	- 122 333	- 104 067	- 87 089	..
Senegal	666	749	642	891	990	657	1 085	1 162	..
South Africa	13 665	15 500	12 378	19 484	20 261	19 253	20 987	23 242	..
South Sudan	..	..	..	..	..	..	- 7 320	- 5 821	..
Sudan	1 100	964	837	- 6 622	- 11 786	- 18 115	- 505	154	..
Tanzania	879	622	557	-	-	-	-	-	..
Togo	-	212	-	-	-	-	-	-	..
Tunisia	- 2 644	- 3 463	- 2 839	- 1 739	- 1 736	- 3 512	- 993	- 928	..
Zambia	658	762	788	28	404	625	643	484	..
Zimbabwe	-	-	-	-	-	-	-	-	..
Other Africa	1 294	1 218	1 193	- 5 264	- 26 506	- 20 264	- 20 326	- 17 680	..
Africa	- 241 788	- 225 487	- 201 651	- 256 170	- 339 108	- 362 424	- 275 744	- 252 887	..

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of crude oil, NGL, refinery feedstocks and additives

Unit: 1000 tonnes	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	719	1 278	948	1 290	1 063	1 190	1 093	1 308	..
Brunei Darussalam	- 11 597	- 11 736	- 7 410	- 9 495	- 10 262	- 7 693	- 6 224	- 5 639	..
Cambodia	..	..	..	-	-	-	-	-	..
DPR of Korea	412	2 109	2 530	391	480	528	532	532	..
India	13 855	16 248	20 699	74 097	99 409	163 595	202 850	213 932	..
Indonesia	- 49 237	- 59 669	- 31 722	- 17 035	- 3 074	3 620	9 584	8 595	..
Malaysia	- 333	- 7 385	- 20 281	- 9 098	- 10 318	- 8 718	- 7 286	- 5 392	..
Mongolia	..	..	-	- 9	- 27	- 284	- 1 114	- 1 098	..
Myanmar	-	- 53	-	546	- 326	-	- 94	- 144	..
Nepal	-	-	-	-	-	-	-	-	..
Pakistan	3 044	3 910	3 412	6 611	8 601	6 658	8 358	8 905	..
Philippines	9 266	9 263	10 957	15 545	9 889	8 171	9 799	9 938	..
Singapore	22 320	30 587	42 661	41 832	58 442	45 919	43 943	47 192	..
Sri Lanka	1 747	1 861	1 758	2 349	2 008	1 819	1 677	1 685	..
Chinese Taipei	9 075	18 318	22 212	38 810	54 761	46 050	44 200	45 154	..
Thailand	7 643	7 866	9 726	30 596	37 958	40 838	44 404	42 262	..
Viet Nam	-	-	- 2 617	- 15 423	- 18 026	- 8 072	- 9 181	- 6 413	..
Other Non-OECD Asia	6	-	- 4 500	- 3 209	- 6 707	- 5 020	- 4 955	- 4 209	..
Non-OECD Asia excl. China	6 920	12 597	48 373	157 798	223 871	288 601	337 586	356 608	..
People's Republic of China	- 1 834	- 12 943	- 21 067	59 959	118 750	234 652	332 617	378 066	..
Hong Kong, China	-	-	-	-	-	-	-	-	..
China	- 1 834	- 12 943	- 21 067	59 959	118 750	234 652	332 617	378 066	..
Argentina	2 978	2 233	- 579	- 12 894	- 7 438	- 2 861	- 1 041	- 1 542	..
Bolivia	- 1 698	-	-	- 173	- 217	-	- 59	-	..
Brazil	33 510	43 425	28 915	19 228	3 468	- 14 846	- 22 266	- 35 120	- 45 506
Colombia	- 1 340	1 037	- 9 902	- 19 649	- 11 415	- 24 251	- 40 747	- 32 420	..
Costa Rica	420	517	445	46	536	502	-	-	..
Cuba	5 243	6 025	6 308	1 648	2 202	5 049	4 408	2 228	..
Curaçao ¹	43 441	30 176	10 495	11 409	11 829	4 723	9 537	8 590	..
Dominican Republic	1 253	1 534	1 594	2 087	2 125	1 401	844	1 207	..
Ecuador	- 8 932	- 5 590	- 8 972	- 12 473	- 17 976	- 16 998	- 20 348	- 19 297	..
El Salvador	677	663	697	1 009	1 054	808	-	-	..
Guatemala	946	639	385	- 129	- 630	- 555	- 475	- 405	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	607	497	425	-	-	-	-	-	..
Jamaica	1 830	879	1 340	1 059	466	1 147	1 218	1 224	..
Nicaragua	598	572	609	859	799	782	790	648	..
Panama	3 848	2 043	1 167	2 314	-	-	-	-	..
Paraguay	210	279	307	107	35	-	-	-	..
Peru	1 752	- 2 332	734	2 395	4 171	3 836	3 909	5 171	..
Suriname	..	..	..	- 115	-	-	-	-	..
Trinidad and Tobago	10 913	874	- 2 975	2 319	1 003	1 177	2 444	3 779	..
Uruguay	1 747	1 895	1 122	1 761	2 035	1 934	2 010	2 074	..
Venezuela	- 111 350	- 68 033	- 64 317	- 113 066	- 125 789	- 95 710	- 98 489	- 89 739	..
Other Non-OECD Americas	15 530	11 186	1 093	12 184	11 140	607	855	866	..
Non-OECD Americas	2 183	28 519	- 31 109	- 100 074	- 122 602	- 133 255	- 157 410	- 152 736	..
Bahrain	2 918	2 705	3 138	3 519	3 980	4 248	3 308	2 881	..
Islamic Republic of Iran	- 262 650	- 37 483	- 116 966	- 115 340	- 128 382	- 119 582	- 62 761	- 119 383	..
Iraq	- 94 770	- 121 363	- 84 698	- 101 327	- 68 775	- 92 937	- 147 539	- 187 360	..
Jordan	706	1 754	2 689	3 693	4 516	3 416	3 399	2 923	..
Kuwait	- 132 875	- 63 809	- 31 799	- 61 757	- 84 141	- 69 976	- 99 637	- 107 879	..
Lebanon	2 413	2 250	100	-	-	-	-	-	..
Oman	- 14 903	- 14 206	- 31 944	- 46 954	- 37 658	- 36 031	- 41 097	- 43 007	..
Qatar	- 27 485	- 22 538	- 17 082	- 33 345	- 39 218	- 44 856	- 48 224	- 50 490	..
Saudi Arabia	- 347 616	- 470 132	- 240 092	- 311 673	- 373 637	- 290 161	- 368 630	- 373 168	..
Syrian Arab Republic	- 3 288	- 2 758	- 9 240	- 16 584	- 10 411	- 8 138	5 490	5 073	..
United Arab Emirates	- 73 617	- 81 175	- 77 955	- 93 188	- 104 899	- 106 861	- 124 538	- 120 236	..
Yemen	3 124	3 480	- 4 291	- 16 849	- 14 179	- 8 773	- 430	-	..
Middle East	- 948 043	- 803 275	- 608 140	- 789 805	- 852 804	- 769 651	- 880 659	- 990 646	..

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of oil products

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World¹	- 30 193	- 37 014	- 63 944	- 70 784	- 86 031	- 51 153	- 95 804	- 86 135	..
Non-OECD Total	- 193 957	- 147 380	- 188 161	- 173 435	- 218 362	- 105 210	- 41 035	- 37 266	..
OECD Total	163 764	110 366	124 217	102 651	132 331	54 057	- 54 769	- 48 869	- 74 028
Canada	- 347	- 3 602	- 3 634	- 7 010	- 5 087	- 6 930	- 10 107	- 7 908	- 10 179
Chile	275	62	307	981	2 084	6 500	6 727	7 634	7 431
Mexico	1 853	- 1 516	407	16 102	13 346	19 116	23 628	31 960	38 280
United States	127 606	39 771	21 801	25 447	57 114	- 30 412	- 102 216	- 117 268	- 143 134
OECD Americas	129 387	34 715	18 881	35 520	67 457	- 11 726	- 81 968	- 85 582	- 107 602
Australia	395	1 038	956	737	6 581	13 365	20 874	24 998	25 844
Israel ²	- 284	1 038	638	782	- 832	- 1 042	- 4 415	- 3 748	- 3 581
Japan	23 581	27 921	53 958	46 652	40 110	26 417	25 212	21 382	25 813
Korea	- 999	1 993	8 587	- 16 375	- 14 981	- 12 673	- 24 593	- 23 281	- 27 089
New Zealand	1 070	1 347	47	978	1 776	1 657	1 928	2 398	2 498
OECD Asia Oceania	23 763	33 337	64 186	32 774	32 654	27 724	19 006	21 749	23 485
Austria	3 002	2 026	1 754	3 003	5 012	4 409	3 157	3 801	3 915
Belgium	- 6 483	- 7 580	- 4 481	- 4 431	514	1 607	- 863	- 1 107	- 3 763
Czech Republic	1 664	1 687	1 205	1 856	1 889	1 102	1 470	2 610	1 397
Denmark	8 693	6 803	691	420	1 867	1 452	1 001	661	- 855
Estonia	..	..	3 197	887	1 114	1 147	1 327	1 319	1 334
Finland	4 171	867	1 710	- 1 429	51	- 1 898	- 1 417	- 3 008	- 2 758
France	- 6 109	- 975	10 328	6 039	9 883	17 766	19 764	18 508	20 216
Germany	31 319	26 263	31 519	23 570	8 660	17 682	15 229	16 065	17 708
Greece	- 2 426	- 1 343	- 253	- 689	1 120	- 2 948	- 11 625	- 13 657	- 14 547
Hungary	425	849	137	- 584	- 375	- 308	- 88	- 6	479
Iceland	678	576	679	833	845	672	836	928	952
Ireland	2 725	3 771	2 991	5 090	5 450	4 537	3 611	4 048	4 167
Italy	- 23 914	3 729	6 648	- 971	- 14 275	- 16 392	- 14 862	- 13 441	- 14 938
Latvia	..	..	4 000	1 130	1 746	1 647	1 757	1 933	2 132
Luxembourg	1 666	1 083	1 596	2 327	3 085	2 802	2 571	2 589	2 719
Netherlands	- 31 962	- 12 366	- 14 878	- 17 043	- 12 191	- 14 302	- 15 226	- 18 944	- 20 124
Norway	2 294	1 072	- 4 730	- 5 482	- 10 467	- 9 100	- 12 868	- 11 795	- 14 049
Poland	484	1 317	1 242	1 238	3 367	1 930	- 2 945	135	3 750
Portugal	1 734	956	1 008	3 694	3 339	662	- 4 110	- 3 835	- 4 000
Slovak Republic	- 1 386	- 2 296	- 1 644	- 2 588	- 2 072	- 2 006	- 2 713	- 2 335	- 2 122
Slovenia	..	..	1 184	2 220	2 574	2 550	2 309	2 497	2 536
Spain	- 2 714	1 398	- 4 562	12 190	19 275	12 758	- 4 467	- 3 406	- 4 033
Sweden	18 019	8 046	- 2 062	- 4 890	- 2 880	- 4 234	- 6 452	- 5 195	- 7 514
Switzerland	8 484	8 505	9 717	7 073	7 608	6 888	7 459	7 241	7 290
Turkey	- 645	2 791	208	7 359	4 500	11 986	16 145	18 829	20 136
United Kingdom	895	- 4 865	- 6 054	- 6 465	- 7 419	- 2 350	9 193	10 529	10 061
OECD Europe	10 614	42 314	41 150	34 357	32 220	38 059	8 193	14 964	10 089
<i>IEA</i>	<i>163 095</i>	<i>108 690</i>	<i>117 409</i>	<i>96 705</i>	<i>125 914</i>	<i>43 730</i>	<i>- 61 983</i>	<i>- 58 113</i>	<i>- 83 498</i>
<i>IEA/Accession/Association</i>	<i>155 652</i>	<i>96 090</i>	<i>101 196</i>	<i>120 582</i>	<i>142 568</i>	<i>73 633</i>	<i>- 11 817</i>	<i>- 12 861</i>	<i>..</i>
<i>European Union - 28</i>	<i>..</i>	<i>..</i>	<i>27 942</i>	<i>21 050</i>	<i>21 418</i>	<i>22 741</i>	<i>- 9 476</i>	<i>- 7 469</i>	<i>..</i>
<i>G7</i>	<i>153 031</i>	<i>88 242</i>	<i>114 566</i>	<i>87 262</i>	<i>88 986</i>	<i>5 781</i>	<i>- 57 787</i>	<i>- 72 133</i>	<i>- 94 453</i>
<i>G8</i>	<i>..</i>	<i>..</i>	<i>57 574</i>	<i>33 974</i>	<i>4 542</i>	<i>- 104 830</i>	<i>- 175 303</i>	<i>- 178 032</i>	<i>..</i>
<i>G20</i>	<i>..</i>	<i>..</i>	<i>- 11 245</i>	<i>17 354</i>	<i>10 878</i>	<i>- 81 781</i>	<i>- 179 580</i>	<i>- 195 939</i>	<i>..</i>
<i>OPEC</i>	<i>- 105 218</i>	<i>- 71 420</i>	<i>- 128 792</i>	<i>- 177 376</i>	<i>- 163 151</i>	<i>- 124 267</i>	<i>- 120 496</i>	<i>- 138 270</i>	<i>..</i>

A negative number shows net exports.

1. World shows the discrepancy between total exports and total imports.

2. Please refer to section 'Geographical coverage'.

Net imports of oil products

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	- 193 957	- 147 380	- 188 161	- 173 435	- 218 362	- 105 210	- 41 035	- 37 266	..
Albania	- 946	- 465	14	753	1 037	1 090	1 022	1 189	..
Armenia	..	..	3 870	348	405	415	332	347	..
Azerbaijan	..	..	- 8 110	- 2 010	- 2 113	- 2 742	- 2 049	- 1 404	..
Belarus	..	..	- 10 230	- 5 854	- 12 188	- 9 538	- 16 641	- 12 215	..
Bosnia and Herzegovina	..	..	-	616	974	534	636	849	..
Bulgaria	1 490	264	337	- 1 240	- 1 156	- 1 818	- 2 163	- 2 327	..
Croatia	..	..	- 2 281	- 1 494	- 660	- 613	- 97	- 396	..
Cyprus ¹	192	396	947	1 417	2 828	2 936	2 437	2 599	..
FYR of Macedonia	..	..	- 134	133	- 21	74	969	1 096	..
Georgia	..	..	3 459	690	756	968	1 234	1 486	..
Gibraltar	1 301	1 390	1 842	2 843	4 242	4 461	3 994	4 075	..
Kazakhstan	..	..	1 445	1 348	- 2 419	- 5 156	- 2 591	- 2 115	..
Kosovo	..	..	..	326	453	540	694	672	..
Kyrgyzstan	..	..	3 000	300	554	1 169	1 490	1 267	..
Lithuania	..	..	- 2 175	- 2 463	- 6 262	- 6 530	- 6 256	- 6 904	..
Malta	343	427	617	1 484	1 631	2 426	2 186	2 419	..
Moldova	..	..	4 917	459	641	713	817	883	..
Montenegro	..	..	..	..	292	314	286	342	..
Romania	- 4 593	- 8 452	- 4 779	- 1 228	- 4 697	- 1 273	- 2 204	- 2 621	..
Russian Federation	..	..	- 56 992	- 53 288	- 84 444	- 110 611	- 117 516	- 105 899	..
Serbia	..	..	300	198	599	887	105	328	..
Tajikistan	..	..	1 656	204	294	520	940	950	..
Turkmenistan	..	..	1 006	- 1 788	- 2 299	- 2 943	- 2 554	- 2 554	..
Ukraine	..	..	412	2 536	- 5 531	1 769	7 605	8 911	..
Uzbekistan	..	..	2 100	- 402	- 295	- 239	- 185	- 170	..
Former Soviet Union	- 31 500	- 39 900	x	x	x	x	x	x	x
Former Yugoslavia	882	628	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	- 32 831	- 45 712	- 58 779	- 56 112	- 107 379	- 122 647	- 127 509	- 109 192	..
Algeria	- 2 933	- 6 607	- 17 200	- 21 181	- 16 179	- 19 062	- 19 920	- 19 773	..
Angola	183	- 69	- 274	- 83	- 153	2 504	3 855	3 744	..
Benin	134	136	97	498	804	1 595	1 681	1 748	..
Botswana	..	..	328	559	657	843	968	933	..
Cameroon	314	420	- 42	- 571	- 838	- 503	285	296	..
Congo	210	261	- 293	- 204	- 202	- 39	40	16	..
Côte d'Ivoire	- 192	- 276	- 987	- 1 668	- 2 398	- 1 898	- 1 242	- 1 117	..
Dem. Rep. of the Congo	139	570	782	346	567	714	985	743	..
Egypt	- 237	- 489	- 1 557	- 513	- 2 752	4 301	13 415	13 645	..
Eritrea	..	..	..	205	226	155	197	203	..
Ethiopia	- 75	- 50	268	1 066	1 527	2 186	3 394	3 643	..
Gabon	- 514	- 578	- 45	- 84	18	- 24	253	255	..
Ghana	- 176	- 219	180	642	344	1 686	3 753	2 831	..
Kenya	- 964	- 918	- 56	953	1 333	2 532	4 176	4 630	..
Libya	- 262	- 2 221	- 6 297	- 6 691	- 5 510	- 2 473	5 439	5 707	..
Mauritius	125	277	392	913	1 066	1 077	1 273	1 318	..
Morocco	267	- 42	- 70	33	2 227	6 590	9 973	12 512	..
Mozambique	- 11	- 43	331	543	510	753	1 171	1 941	..
Namibia	..	..	..	619	763	967	1 212	1 268	..
Niger	..	..	..	177	193	382	- 74	- 184	..
Nigeria	- 304	925	- 2 919	6 202	3 598	15 446	16 247	18 535	..
Senegal	891	479	187	601	837	1 210	1 450	1 262	..
South Africa	523	1 000	-	- 5 362	- 3 859	4 395	5 136	3 053	..
South Sudan	..	..	..	..	..	..	623	553	..
Sudan	464	327	1 040	100	322	417	1 604	1 184	..
Tanzania	91	226	195	827	1 469	1 646	3 196	2 900	..
Togo	96	- 86	212	324	348	713	649	680	..
Tunisia	400	992	1 032	1 604	2 416	3 664	3 488	3 322	..
Zambia	278	- 38	- 39	486	278	30	449	585	..
Zimbabwe	679	648	772	1 028	671	625	1 227	1 095	..
Other Africa	2 380	3 143	3 663	5 081	6 120	7 671	9 926	10 110	..
Africa	1 506	- 2 232	- 20 300	- 13 550	- 5 597	38 103	74 829	77 638	..

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of oil products

Unit: 1000 tonnes	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	169	366	884	1 794	2 621	2 607	3 999	3 870	..
Brunei Darussalam	67	186	9	17	15	137	313	373	..
Cambodia	..	..	..	691	933	1 582	1 949	2 207	..
DPR of Korea	765	570	112	669	457	309	441	511	..
India	3 400	6 505	6 031	1 340	- 10 658	- 41 668	- 32 282	- 31 373	..
Indonesia	- 834	2 329	- 7 910	3 879	14 951	15 565	20 647	17 898	..
Malaysia	527	2 455	2 019	- 1 890	- 474	1 793	3 690	2 787	..
Mongolia	..	..	793	431	552	808	1 120	962	..
Myanmar	48	- 15	- 29	772	970	228	2 718	3 680	..
Nepal	70	111	236	695	710	956	1 127	1 895	..
Pakistan	39	604	5 056	9 667	4 768	10 859	13 046	13 879	..
Philippines	- 169	1 870	636	1 152	3 789	5 823	8 398	9 454	..
Singapore	- 10 265	- 22 504	- 17 808	- 1 336	- 13 395	17 377	26 364	25 993	..
Sri Lanka	- 108	- 270	- 109	1 351	2 019	2 055	2 764	3 544	..
Chinese Taipei	1 201	2 915	5 980	5 533	- 7 061	1 009	797	402	..
Thailand	506	4 087	7 533	- 3 419	- 3 326	- 9 279	- 8 186	- 4 463	..
Viet Nam	5 654	1 814	2 871	7 631	11 890	10 872	12 258	13 934	..
Other Non-OECD Asia	2 665	3 086	3 106	3 343	882	2 232	4 929	4 969	..
Non-OECD Asia excl. China	3 735	4 109	9 410	32 320	9 643	23 265	64 092	70 522	..
People's Republic of China	16	- 4 114	- 3 148	13 796	23 688	19 691	11 892	800	..
Hong Kong, China	4 861	6 430	6 260	12 447	13 216	21 009	18 092	19 008	..
China	4 877	2 316	3 112	26 243	36 904	40 700	29 984	19 808	..
Argentina	788	- 1 104	- 3 567	- 3 763	- 5 493	1 378	4 163	5 071	..
Bolivia	14	- 48	- 192	29	- 217	317	303	469	..
Brazil	- 808	1 077	- 1 148	8 603	1 083	15 127	15 031	16 251	21 526
Colombia	- 1 544	198	- 2 521	- 3 481	- 3 649	- 2 388	242	1 205	..
Costa Rica	160	280	555	1 703	1 474	1 758	2 331	2 476	..
Cuba	1 988	3 838	3 942	4 255	2 914	1 869	1 593	3 117	..
Curaçao ¹	- 36 246	- 22 294	- 7 383	- 7 200	- 7 462	- 275	- 5 819	- 5 154	..
Dominican Republic	425	598	1 446	4 273	3 495	4 037	4 802	4 923	..
Ecuador	- 95	- 720	- 1 188	- 1 348	131	3 000	5 293	3 023	..
El Salvador	10	- 48	79	776	881	1 146	2 217	2 359	..
Guatemala	73	686	731	1 922	3 219	3 129	4 102	4 194	..
Haiti	128	217	309	477	657	668	949	963	..
Honduras	- 217	59	290	1 369	2 018	2 195	2 301	2 706	..
Jamaica	1 126	1 342	1 154	2 523	3 072	1 223	1 456	1 662	..
Nicaragua	21	65	17	304	587	565	899	1 069	..
Panama	- 1 482	84	1 346	2 163	4 732	5 891	6 841	7 663	..
Paraguay	68	210	348	1 001	1 071	1 447	1 882	2 026	..
Peru	158	- 694	- 1 481	278	- 1 905	- 2 029	279	- 67	..
Suriname	..	..	..	- 13	- 81	- 227	- 356	- 301	..
Trinidad and Tobago	- 16 154	- 9 944	- 3 405	- 7 176	- 6 815	- 5 704	- 4 918	- 5 544	..
Uruguay	92	196	218	179	- 1	567	456	240	..
Venezuela	- 59 537	- 29 417	- 30 002	- 37 082	- 34 879	- 24 587	- 16 158	- 14 738	..
Other Non-OECD Americas	- 7 524	- 4 863	3 697	- 7 204	- 6 623	4 623	5 332	5 428	..
Non-OECD Americas	- 118 556	- 60 282	- 36 755	- 37 412	- 41 791	13 730	33 221	39 041	..
Bahrain	- 10 431	- 10 959	- 11 485	- 11 422	- 10 368	- 10 760	- 11 190	- 10 732	..
Islamic Republic of Iran	- 11 857	- 4 264	2 671	- 16 640	- 9 524	- 10 350	- 18 317	- 16 122	..
Iraq	- 713	- 1 297	- 1 717	- 4 582	- 606	7 990	12 729	16 094	..
Jordan	- 38	- 2	781	998	1 076	1 597	3 208	2 430	..
Kuwait	- 16 410	- 13 846	- 9 987	- 30 839	- 31 226	- 31 269	- 33 659	- 30 185	..
Lebanon	- 64	201	1 743	4 473	4 594	5 693	7 175	7 313	..
Oman	1 326	890	- 1 117	- 992	- 553	- 1 303	- 1 392	- 1 341	..
Qatar	114	- 47	- 2 891	- 3 519	- 5 255	- 16 976	- 18 731	- 18 604	..
Saudi Arabia	- 13 170	- 17 172	- 60 996	- 54 260	- 60 607	- 50 277	- 44 210	- 61 991	..
Syrian Arab Republic	180	- 1 352	- 1 936	- 1 158	3 365	3 173	520	755	..
United Arab Emirates	280	3 893	2 053	- 7 269	- 2 959	1 811	- 13 317	- 24 215	..
Yemen	- 1 905	- 1 624	- 1 968	286	1 921	2 310	1 532	1 515	..
Middle East	- 52 688	- 45 579	- 84 849	- 124 924	- 110 142	- 98 361	- 115 652	- 135 083	..

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of natural gas

<i>Unit: TJ-gross</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World¹	39 353	- 331 456	64 422	- 248 567	- 731 511	141 789	-1 366 972	- 791 011	- 555 183
Non-OECD Total	- 527 059	-3 096 867	-6 674 578	-11 200 492	-14 560 352	-15 722 114	-15 610 695	-15 310 703	-15 235 249
OECD Total	566 412	2 765 411	6 739 000	10 951 925	13 828 841	15 863 903	14 243 723	14 519 692	14 680 066
Canada	-1 059 771	- 855 011	-1 513 001	-3 784 520	-3 701 544	-2 808 906	-2 300 709	-2 408 502	-2 361 354
Chile	-	-	-	170 800	245 404	139 900	145 745	155 992	163 033
Mexico	- 2 240	- 112 541	17 191	102 415	347 653	551 480	1 402 592	1 652 960	1 927 366
United States	1 028 898	1 008 776	1 544 182	3 824 284	3 916 053	2 826 771	1 044 825	784 865	- 115 419
OECD Americas	- 33 113	41 224	48 372	312 979	807 566	709 245	292 453	185 315	- 386 374
Australia	-	-	- 109 300	- 431 027	- 576 035	- 746 180	-1 123 591	-1 766 275	-2 479 908
Israel ²	-	-	-	-	-	80 583	6 130	13 653	19 342
Japan	129 581	909 009	1 967 475	2 952 403	3 156 904	3 844 995	4 551 427	4 615 549	4 568 746
Korea	-	-	124 700	794 151	1 214 706	1 827 793	1 811 665	1 842 548	2 029 463
New Zealand	-	-	-	-	-	-	-	-	-
OECD Asia Oceania	129 581	909 009	1 982 875	3 315 527	3 795 575	5 007 191	5 245 631	4 705 475	4 137 643
Austria	62 343	123 618	208 797	246 834	332 734	284 486	232 081	286 592	327 152
Belgium	330 774	413 681	382 255	617 685	689 306	781 130	645 366	668 934	658 075
Czech Republic	33 677	112 081	222 627	348 062	350 506	318 478	286 767	312 387	341 211
Denmark	-	-	- 43 172	- 134 087	- 233 085	- 140 571	- 64 006	- 59 777	- 71 768
Estonia	..	..	56 861	30 797	37 201	26 168	18 164	19 923	18 924
Finland	-	35 711	101 546	159 584	167 783	178 502	104 031	95 772	88 984
France	351 767	752 461	1 133 737	1 664 415	1 894 308	1 840 025	1 605 712	1 763 021	1 755 348
Germany	572 272	1 643 313	1 942 285	2 645 371	2 881 437	2 867 723	2 729 618	2 897 477	3 309 771
Greece	-	-	-	78 551	108 495	150 292	124 377	161 072	196 549
Hungary	7 182	148 551	240 515	338 788	456 244	359 424	242 762	294 587	382 464
Iceland	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	115 259	140 007	208 403	168 442	79 082	65 565
Italy	76 543	547 403	1 177 468	2 186 824	2 783 738	2 865 615	2 325 814	2 479 243	2 643 302
Latvia	..	..	119 132	51 790	66 710	42 014	50 364	42 930	47 111
Luxembourg	10 170	19 741	19 981	31 231	54 720	55 665	35 771	32 988	32 245
Netherlands	-1 175 009	-1 790 091	-1 107 000	- 799 556	- 974 111	-1 126 223	- 488 112	- 458 111	- 60 670
Norway	-	-1 018 958	-1 031 422	-1 960 233	-3 301 480	-4 115 884	-4 500 541	-4 501 421	-4 844 798
Poland	64 468	200 298	315 069	307 355	396 880	412 831	462 730	533 558	558 782
Portugal	-	-	-	94 864	181 102	209 571	189 121	198 228	262 175
Slovak Republic	54 618	102 734	249 025	265 484	266 812	232 724	171 542	168 251	193 258
Slovenia	..	..	33 639	38 125	43 049	39 860	30 784	32 600	34 031
Spain	43 283	65 674	171 653	719 516	1 407 156	1 439 790	1 106 007	1 150 191	1 284 827
Sweden	-	-	26 840	36 092	39 199	68 195	33 662	38 064	31 277
Switzerland	6 907	40 310	75 760	113 195	129 460	140 015	132 689	139 395	139 993
Turkey	-	-	124 750	560 616	1 029 654	1 432 147	1 831 132	1 749 553	2 087 005
United Kingdom	30 949	418 651	287 407	- 433 143	277 875	1 577 087	1 231 362	1 504 363	1 447 984
OECD Europe	469 944	1 815 178	4 707 753	7 323 419	9 225 700	10 147 467	8 705 639	9 628 902	10 928 797
<i>IEA</i>	<i>566 412</i>	<i>2 765 411</i>	<i>6 586 229</i>	<i>10 691 210</i>	<i>13 473 678</i>	<i>15 561 546</i>	<i>14 010 700</i>	<i>14 274 517</i>	<i>14 416 549</i>
<i>IEA/Accession/Association</i>	<i>566 412</i>	<i>2 299 409</i>	<i>5 361 918</i>	<i>9 377 290</i>	<i>13 156 817</i>	<i>16 221 676</i>	<i>17 510 199</i>	<i>18 290 858</i>	<i>19 272 430</i>
<i>European Union - 28</i>	<i>..</i>	<i>..</i>	<i>6 311 413</i>	<i>9 001 701</i>	<i>11 819 421</i>	<i>13 012 492</i>	<i>11 489 071</i>	<i>12 536 630</i>	<i>13 887 373</i>
<i>G7</i>	<i>1 130 239</i>	<i>4 424 602</i>	<i>6 539 553</i>	<i>9 055 634</i>	<i>11 208 771</i>	<i>13 013 310</i>	<i>11 188 049</i>	<i>11 636 016</i>	<i>11 248 378</i>
<i>G8</i>	<i>..</i>	<i>..</i>	<i>-218 933</i>	<i>2 260 634</i>	<i>3 708 728</i>	<i>6 003 839</i>	<i>3 849 876</i>	<i>3 830 974</i>	<i>2 964 472</i>
<i>G20</i>	<i>..</i>	<i>..</i>	<i>569 304</i>	<i>4 541 075</i>	<i>8 480 170</i>	<i>13 097 050</i>	<i>14 440 607</i>	<i>14 764 398</i>	<i>15 583 294</i>
<i>OPEC</i>	<i>- 534 783</i>	<i>- 438 053</i>	<i>-1 489 247</i>	<i>-3 416 717</i>	<i>-4 692 874</i>	<i>-6 816 730</i>	<i>-7 199 023</i>	<i>-7 701 229</i>	<i>-8 189 556</i>

A negative number shows net exports.

1. World shows the discrepancy between total exports and total imports.

2. Please refer to section 'Geographical coverage'.

Net imports of natural gas

Unit: TJ-gross	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	- 527 059	-3 096 867	-6 674 578	-11 200 492	-14 560 352	-15 722 114	-15 610 695	-15 310 703	-15 235 249
Albania	-	-	-	-	-	-	-	-	-
Armenia	..	..	167 200	52 116	62 281	63 761	83 162	85 208	90 606
Azerbaijan	..	..	302 241	11 046	176 549	-241 672	-318 152	-302 743	-271 814
Belarus	..	..	590 156	661 016	777 075	833 077	725 707	719 914	734 359
Bosnia and Herzegovina	..	..	18 473	9 281	14 058	9 283	8 254	8 592	9 273
Bulgaria	-	141 160	252 614	127 563	114 340	99 133	117 095	120 543	125 428
Croatia	..	..	26 763	42 104	26 125	22 119	26 247	33 845	62 131
Cyprus ¹	-	-	-	-	-	-	-	-	-
FYR of Macedonia	..	..	-	2 499	2 902	4 449	5 210	8 190	10 540
Georgia	..	..	209 568	41 734	48 609	46 972	93 364	87 706	89 250
Gibraltar	-	-	-	-	-	-	-	-	-
Kazakhstan	..	..	228 790	-38 830	-163 868	-106 016	-268 386	-309 819	-299 127
Kosovo	..	..	..	..	..	..	..	..	..
Kyrgyzstan	..	..	67 583	25 437	27 747	10 602	9 522	10 087	10 107
Lithuania	..	..	217 617	96 042	115 955	115 580	95 896	86 189	96 310
Malta	-	-	-	-	-	-	-	-	11 844
Moldova	..	..	152 365	98 844	111 149	107 520	99 074	100 056	91 862
Montenegro	..	..	..	..	..	..	..	..	..
Romania	- 7 555	51 368	275 754	126 151	194 935	84 471	7 474	54 678	45 063
Russian Federation	..	..	-6 758 486	-6 795 000	-7 500 043	-7 009 471	-7 338 173	-7 805 042	-8 283 906
Serbia	..	..	95 836	42 314	79 940	72 890	64 461	66 499	80 366
Tajikistan	..	..	60 320	27 698	23 946	6 612	-	-	-
Turkmenistan	..	..	-2 630 000	-1 270 490	-1 723 950	-909 668	-2 178 093	-2 029 190	-2 096 133
Ukraine	..	..	3 418 435	2 198 921	2 245 211	1 374 881	618 333	409 787	523 928
Uzbekistan	..	..	-24 019	-198 387	-428 146	-545 602	-779 755	-609 388	-609 407
Former Soviet Union	176 827	-1 981 752	x	x	x	x	x	x	x
Former Yugoslavia	-	56 998	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	169 272	-1 732 226	-3 328 790	-4 739 941	-5 795 185	-5 961 079	-8 928 760	-9 264 888	-9 579 320
Algeria	- 97 187	-262 933	-1 241 216	-2 466 173	-2 562 642	-2 263 145	-1 721 361	-2 135 142	-2 135 125
Angola	-	-	-	-	-	-	-	-34 580	-152 000
Benin	-	-	-	-	-	-	-	-	-
Botswana	..	..	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Congo	-	-	-	-	-	-	-	-	-
Côte d'Ivoire	-	-	-	-	-	-	-	-	-
Dem. Rep. of the Congo	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-588 222	-493 038	255 170	703 397	582 616
Eritrea	..	..	..	..	..	..	..	..	..
Ethiopia	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Ghana	-	-	-	-	-	16 476	21 761	4 223	4 218
Kenya	-	-	-	-	-	-	-	-	-
Libya	- 119 789	- 73 720	- 47 120	- 30 400	- 207 860	- 370 500	- 270 180	- 182 400	- 184 262
Mauritius	-	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	15 849	24 416	44 154	45 198	44 819
Mozambique	-	-	-	-	-86 056	-121 627	-154 898	-163 008	-167 432
Namibia	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..
Nigeria	-	-	-	-205 580	-500 627	-825 957	-1 000 540	-884 260	-1 034 588
Senegal	-	-	-	-	-	-	-	-	-
South Africa	-	-	-	-	45 383	121 586	154 898	163 008	168 720
South Sudan	..	..	..	..	..	..	..	..	..
Sudan	-	-	-	-	-	-	-	-	-
Tanzania	-	-	-	-	-	-	-	-	-
Togo	-	-	-	-	-	-	-	-	-
Tunisia	-	-	42 020	39 416	51 098	93 412	118 144	136 543	152 918
Zambia	-	-	-	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-	-	-	-
Other Africa	-	-	-	-	67	-195 993	-178 875	-170 133	-193 686
Africa	- 216 976	- 336 653	-1 246 316	-2 662 737	-3 833 010	-4 014 370	-2 731 727	-2 517 154	-2 913 802

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of natural gas

Unit: TJ-gross	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	-	-	-	-	-	-	-	-	-
Brunei Darussalam	- 59 070	- 361 230	- 291 208	- 354 893	- 379 666	- 353 186	- 334 342	- 315 089	- 324 462
Cambodia	..	..	..	-	-	-	-	-	-
DPR of Korea	-	-	-	-	-	-	-	-	-
India	-	-	-	-	273 167	532 062	792 217	982 130	1 011 609
Indonesia	-	- 466 002	-1 224 311	-1 609 557	-1 688 995	-1 673 978	-1 285 003	-1 184 655	-1 160 957
Malaysia	-	- 372	- 404 073	- 829 498	-1 093 234	- 921 747	- 944 580	- 998 602	-1 090 102
Mongolia	..	..	-	-	-	-	-	-	-
Myanmar	-	-	-	- 185 118	- 372 720	- 413 433	- 546 232	- 580 338	- 553 065
Nepal	-	-	-	-	-	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-	193 746
Philippines	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	52 071	259 167	335 618	395 799	405 303	427 614
Sri Lanka	-	-	-	-	-	-	-	-	-
Chinese Taipei	-	-	35 465	240 473	388 504	602 086	713 974	743 987	827 902
Thailand	-	-	-	80 431	345 451	383 186	556 232	541 690	595 839
Viet Nam	-	-	-	-	- 60 290	-	-	-	-
Other Non-OECD Asia	- 95 365	- 98 489	-	-	-	- 219 699	- 684 264	- 684 590	- 739 366
Non-OECD Asia excl. China	- 154 435	- 926 093	-1 884 127	-2 606 091	-2 328 616	-1 729 091	-1 336 199	-1 090 164	- 811 242
People's Republic of China	-	-	-	- 93 348	- 115 586	428 810	2 137 030	2 616 209	3 358 490
Hong Kong, China	-	-	-	114 048	101 815	145 689	123 450	126 730	126 388
China	-	-	-	20 700	- 13 771	574 499	2 260 480	2 742 939	3 484 878
Argentina	67 511	87 711	84 691	- 180 774	- 191 065	121 644	436 451	404 216	404 244
Bolivia	- 74 624	- 88 206	- 99 125	- 78 134	- 385 592	- 455 388	- 685 524	- 629 414	- 602 363
Brazil	-	-	-	85 683	348 682	490 116	713 325	454 474	415 434
Colombia	-	-	-	-	-	- 55 617	- 13 254	504	311
Costa Rica	-	-	-	-	-	-	-	-	-
Cuba	-	-	-	-	-	-	-	-	-
Curaçao ¹	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	-	-	9 489	31 705	44 437	40 803	45 296
Ecuador	-	-	-	-	-	-	-	-	-
El Salvador	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
Haiti	-	-	-	-	-	-	-	-	-
Honduras	-	-	-	-	-	-	-	-	-
Jamaica	-	-	-	-	-	-	-	-	7 904
Nicaragua	-	-	-	-	-	-	-	-	-
Panama	-	-	-	-	-	-	-	-	-
Paraguay	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	- 99 066	- 223 279	- 267 791	- 254 393
Suriname	..	..	..	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	- 168 678	- 548 742	- 813 058	- 681 865	- 579 166	- 573 347
Uruguay	-	-	-	1 420	4 144	2 996	2 131	2 410	2 432
Venezuela	-	-	-	-	-	77 946	14 302	-	-
Other Non-OECD Americas	-	-	-	13 259	26 518	30 003	64 675	65 857	50 692
Non-OECD Americas	- 7 113	- 495	- 14 434	- 327 224	- 736 566	- 668 719	- 328 601	- 508 107	- 503 790
Bahrain	-	-	-	-	-	-	-	-	-
Islamic Republic of Iran	- 317 807	-	- 76 111	129 351	17 331	19 965	- 19 650	- 125 956	- 367 152
Iraq	-	-	- 76 000	-	-	-	-	-	-
Jordan	-	-	-	-	56 066	100 125	85 738	153 648	159 425
Kuwait	-	-	76 000	-	-	106 020	151 620	188 480	194 142
Lebanon	-	-	-	-	-	9 867	-	-	-
Oman	-	-	-	- 170 635	- 487 525	- 412 167	- 334 614	- 362 130	- 387 817
Qatar	-	-	-	- 572 865	- 1 213 816	- 3 924 598	- 4 883 124	- 5 040 310	- 4 989 942
Saudi Arabia	-	-	-	-	-	-	-	-	-
Syrian Arab Republic	-	-	-	-	-	26 013	-	-	-
United Arab Emirates	-	- 101 400	- 124 800	- 271 050	- 225 260	363 539	529 910	512 939	479 371
Yemen	-	-	-	-	-	- 212 118	- 75 768	-	-
Middle East	- 317 807	- 101 400	- 200 911	- 885 199	- 1 853 204	- 3 923 354	- 4 545 888	- 4 673 329	- 4 911 973

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World¹	- 1 917	7 886	2 349	10 080	- 2 687	4 795	17 235	- 1 653	..
Non-OECD Total	- 8 166	- 7 684	- 16 213	7 719	- 20 634	- 7 295	11 381	881	..
OECD Total	6 249	15 570	18 562	2 361	17 947	12 090	5 854	- 2 534	- 21 242
Canada	- 14 037	- 27 244	- 349	- 35 641	- 23 495	- 25 439	- 59 721	- 64 153	- 62 752
Chile	3	-	-	1 190	2 152	958	-	- 2	- 34
Mexico	317	618	- 1 369	874	- 1 672	- 951	- 670	264	347
United States	14 278	26 720	1 980	33 914	24 724	25 976	66 670	60 272	54 814
OECD Americas	561	94	262	337	1 709	544	6 279	- 3 619	- 7 625
Australia	-	-	-	-	-	-	-	-	-
Israel ²	- 57	- 165	- 456	- 1 457	- 1 667	- 3 966	- 5 197	- 5 553	- 5 553
Japan	-	-	-	-	-	-	-	-	-
Korea	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-
OECD Asia Oceania	- 57	- 165	- 456	- 1 457	- 1 667	- 3 966	- 5 197	- 5 553	- 5 553
Austria	- 1 547	- 3 972	- 459	- 1 368	2 665	2 331	10 058	7 159	6 545
Belgium	- 755	- 2 635	- 3 724	4 326	6 304	551	20 999	6 183	6 021
Czech Republic	- 2 209	- 1 508	- 692	- 10 017	- 12 634	- 14 948	- 12 515	- 10 974	- 13 037
Denmark	- 224	- 1 232	7 048	665	1 369	- 1 135	5 911	5 057	4 563
Estonia	..	..	- 7 002	- 929	- 1 608	- 3 254	- 925	- 2 037	- 2 734
Finland	4 319	1 211	10 643	11 880	17 015	10 501	16 337	18 951	20 426
France	- 2 889	3 245	- 45 438	- 69 479	- 60 328	- 30 713	- 64 063	- 41 501	- 40 110
Germany	11 562	7 147	930	3 057	- 4 566	- 14 955	- 48 282	- 50 525	- 52 477
Greece	45	616	711	- 11	3 780	5 706	9 608	8 796	6 237
Hungary	4 662	7 386	11 147	3 440	6 227	5 195	13 686	12 711	12 877
Iceland	-	-	-	-	-	-	-	-	-
Ireland	45	-	-	98	2 044	470	673	- 712	- 679
Italy	879	6 083	34 655	44 347	49 155	44 160	46 378	37 027	37 761
Latvia	..	..	3 584	1 786	2 148	873	1 821	1 033	- 64
Luxembourg	2 036	2 842	3 932	5 708	3 261	4 064	5 600	6 298	6 178
Netherlands	- 1 345	- 307	9 208	18 915	18 293	2 775	8 748	4 915	3 506
Norway	- 5 193	- 462	- 15 907	- 19 055	- 12 042	7 549	- 14 645	- 16 411	- 15 164
Poland	- 1 754	- 235	- 1 041	- 6 373	- 11 186	- 1 354	- 334	1 999	2 287
Portugal	- 10	1 828	37	931	6 824	2 623	2 266	- 5 085	- 2 684
Slovak Republic	2 840	3 318	5 196	- 2 696	- 3 265	1 041	2 388	2 651	3 030
Slovenia	..	..	- 988	- 1 321	- 325	- 2 120	- 48	- 1 176	- 515
Spain	- 2 016	- 1 382	- 420	4 441	- 1 343	- 8 333	- 133	7 667	9 171
Sweden	734	535	- 1 768	4 678	- 7 392	2 078	- 22 600	- 11 735	- 18 992
Switzerland	- 3 498	- 8 181	- 2 108	- 7 070	6 350	520	- 1 035	3 923	5 550
Turkey	-	1 341	- 731	3 354	- 1 162	- 774	3 941	4 878	- 575
United Kingdom	63	3	11 943	14 174	8 321	2 661	20 938	17 546	14 815
OECD Europe	5 745	15 641	18 756	3 481	17 905	15 512	4 772	6 638	- 8 064
<i>IEA</i>	6 303	15 735	16 422	2 163	15 639	16 345	9 278	3 164	- 15 076
<i>IEA/Accession/Association</i>	6 434	16 152	46 900	45 762	56 795	53 600	48 484	53 737	..
<i>European Union - 28</i>	..	..	45 486	23 021	15 718	7 455	14 259	18 190	..
<i>G7</i>	9 856	15 954	3 721	- 9 628	- 6 189	1 690	- 38 080	- 41 334	- 47 949
<i>G8</i>	..	..	- 4 591	- 23 683	- 18 570	- 15 757	- 49 738	- 55 834	..
<i>G20</i>	..	..	64 218	71 358	44 183	30 066	52 876	45 877	..
<i>OPEC</i>	- 1	- 85	- 98	- 818	1 820	2 464	10 021	10 283	..

A negative number shows net exports.

1. World shows the discrepancy between total exports and total imports.

2. Please refer to section 'Geographical coverage'.

Net imports of electricity

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	- 8 166	- 7 684	- 16 213	7 719	- 20 634	- 7 295	11 381	881	..
Albania	- 267	- 500	206	1 002	371	- 949	1 399	- 42	2 915
Armenia	..	..	920	- 463	- 780	- 794	- 1 250	- 954	- 1 121
Azerbaijan	..	..	- 1 604	494	1 202	- 362	- 157	- 982	- 1 175
Belarus	..	..	9 429	7 211	4 036	2 700	2 622	3 021	2 586
Bosnia and Herzegovina	..	..	-	- 1 064	- 1 377	- 3 829	- 2 135	- 3 757	- 1 841
Bulgaria	3 256	3 832	3 790	- 4 620	- 7 581	- 8 446	- 10 575	- 6 372	- 5 481
Croatia	..	..	6 693	3 421	4 409	3 968	6 789	5 531	6 942
Cyprus ¹	-	-	-	-	-	-	-	-	-
FYR of Macedonia	..	..	84	112	1 599	1 420	2 513	2 031	1 983
Georgia	..	..	3 203	244	1 346	- 1 260	39	- 80	811
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	17 338	3 017	- 130	1 157	4	- 1 254	..
Kosovo	..	..	..	371	265	466	131	- 507	- 144
Kyrgyzstan	..	..	- 4 407	- 2 832	- 2 661	- 1 712	545	132	..
Lithuania	..	..	- 11 975	- 1 336	- 2 966	5 990	7 208	8 275	..
Malta	-	-	-	-	-	-	1 054	1 525	861
Moldova	..	..	- 3 042	1 785	3 141	1 464	18	4	1
Montenegro	..	..	..	..	1 790	2	523	304	786
Romania	- 3 548	423	9 476	- 696	- 2 903	- 2 274	- 6 728	- 5 017	- 2 892
Russian Federation	..	..	- 8 312	- 14 055	- 12 381	- 17 447	- 11 658	- 14 500	- 10 597
Serbia	..	..	- 2 015	3 010	- 1 943	- 297	- 918	- 1 922	723
Tajikistan	..	..	1 200	1 333	250	146	- 1 337	- 1 325	..
Turkmenistan	..	..	- 4 960	- 800	- 1 290	- 2 410	- 3 201	- 3 201	..
Ukraine	..	..	- 28 471	- 3 849	- 8 353	- 4 055	- 1 350	- 3 753	- 5 176
Uzbekistan	..	..	- 2 157	1 281	84	88	- 1 048	- 1 480	..
Former Soviet Union	- 9 700	- 19 100	x	x	x	x	x	x	x
Former Yugoslavia	- 49	- 409	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	- 10 308	- 15 754	- 14 604	- 6 434	- 23 872	- 26 434	- 17 512	- 24 323	..
Algeria	- 1	3	- 98	- 96	84	- 67	- 31	- 250	..
Angola	-	-	-	-	-	-	-	-	..
Benin	50	114	196	374	595	976	1 046	1 088	..
Botswana	..	..	84	968	1 898	2 985	1 468	1 673	..
Cameroon	-	-	-	-	-	-	60	55	..
Congo	1	7	14	262	418	281	- 4	- 4	..
Côte d'Ivoire	-	-	294	- 1 238	- 1 398	- 346	- 849	- 1 858	..
Dem. Rep. of the Congo	- 26	- 97	- 4	- 1 273	- 1 664	- 755	- 402	- 400	..
Egypt	-	-	-	- 147	- 778	- 1 443	- 693	- 693	..
Eritrea	..	..	..	-	-	-	-	-	..
Ethiopia	-	-	-	-	-	-	- 166	- 179	..
Gabon	-	-	-	-	-	-	337	344	..
Ghana	- 100	- 440	- 761	472	176	- 930	- 364	324	..
Kenya	303	315	181	198	- 9	-	22	162	..
Libya	-	-	-	-	47	- 82	-	376	..
Mauritius	-	-	-	-	-	-	-	-	..
Morocco	-	-	103	2 328	814	3 940	4 973	5 154	5 897
Mozambique	153	151	166	- 6 492	- 2 413	- 3 542	- 2 329	- 4 341	..
Namibia	..	..	..	685	1 672	2 385	2 590	2 974	..
Niger	..	..	..	204	338	549	782	779	..
Nigeria	-	- 88	-	-	-	-	-	-	..
Senegal	-	-	-	-	-	-	-	-	..
South Africa	- 194	9 102	- 1 263	12 333	- 2 343	- 2 475	- 1 550	- 5 994	..
South Sudan	..	..	..	..	..	..	-	-	..
Sudan	-	-	-	-	-	-	-	-	..
Tanzania	-	-	-	55	50	57	71	102	..
Togo	39	136	218	377	511	706	1 240	1 140	..
Tunisia	-	-	- 4	1	- 3	19	- 97	- 121	..
Zambia	2 029	- 2 587	- 1 631	- 1 326	- 243	- 565	- 391	1 391	..
Zimbabwe	93	2 881	332	5 095	2 977	731	- 100	1 851	..
Other Africa	- 251	- 116	227	541	1 179	1 730	1 423	1 450	..
Africa	2 096	9 381	- 1 946	13 321	1 908	4 154	7 036	5 023	..

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Net imports of electricity

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	-	-	-	-	-	-	-	-	..
Brunei Darussalam	-	-	-	-	-	-	-	-	..
Cambodia	..	..	..	-	29	1 357	1 526	1 583	..
DPR of Korea	-	-	-	-	-	-	-	-	..
India	- 11	- 37	1 376	1 302	1 554	5 548	94	- 1 093	..
Indonesia	-	-	-	-	-	2	13	1	..
Malaysia	-	81	- 58	1	- 2 231	- 151	10	- 661	..
Mongolia	..	..	228	156	164	241	1 376	1 410	..
Myanmar	-	-	-	-	-	-	-	-	..
Nepal	-	15	- 47	101	169	663	1 775	2 172	..
Pakistan	-	-	-	-	146	269	463	490	..
Philippines	-	-	-	-	-	-	-	-	..
Singapore	-	- 92	-	-	-	-	-	-	..
Sri Lanka	-	-	-	-	-	-	-	-	..
Chinese Taipei	-	-	-	-	-	-	-	-	..
Thailand	156	758	621	2 773	3 777	5 672	12 147	18 440	23 051
Viet Nam	-	-	-	-	383	4 635	1 582	1 989	..
Other Non-OECD Asia	- 158	- 458	- 1 873	- 3 881	- 3 601	- 1 615	- 6 557	- 14 220	..
Non-OECD Asia excl. China	- 13	267	247	452	390	16 621	12 429	10 111	..
People's Republic of China	-	-	1 840	- 8 332	- 6 183	- 13 514	- 12 444	- 12 722	..
Hong Kong, China	-	- 308	- 1 799	9 023	6 504	8 438	10 556	10 417	..
China	-	- 308	41	691	321	- 5 076	- 1 888	- 2 305	..
Argentina	50	22	821	1 227	3 877	8 598	8 963	9 522	..
Bolivia	-	-	9	16	-	-	-	-	..
Brazil	- 17	- 212	26 538	44 338	39 042	34 649	34 423	40 795	36 355
Colombia	-	-	200	40	- 1 742	- 788	- 415	333	..
Costa Rica	-	-	163	- 475	11	29	- 106	150	..
Cuba	-	-	-	-	-	-	-	-	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	-	-	-	-	-	-	-	-	..
Ecuador	-	-	-	-	1 707	863	466	- 320	..
El Salvador	-	-	2	696	284	85	899	988	..
Guatemala	-	-	- 2	- 704	- 312	223	- 502	- 588	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	-	4	- 334	276	55	9	143	195	..
Jamaica	-	-	-	-	-	-	-	-	..
Nicaragua	-	- 9	66	113	17	- 33	12	187	..
Panama	19	2	90	117	- 51	32	- 122	- 368	..
Paraguay	- 77	46	- 24 972	- 47 358	- 43 792	- 43 378	- 41 127	- 48 415	..
Peru	-	-	-	-	-	- 112	- 55	- 16	..
Suriname	..	..	..	..	..	..	..	..	..
Trinidad and Tobago	-	-	-	-	-	-	-	-	..
Uruguay	27	- 1 123	- 2 538	561	760	- 324	- 1 319	- 755	..
Venezuela	-	-	-	- 45	- 584	-	- 974	-	..
Other Non-OECD Americas	-	-	6	127	254	160	255	260	..
Non-OECD Americas	2	- 1 270	49	- 1 071	- 474	13	541	1 968	..
Bahrain	-	-	-	-	-	173	- 8	- 17	..
Islamic Republic of Iran	-	-	-	- 677	- 675	- 3 692	- 2 674	- 2 467	..
Iraq	-	-	-	-	1 241	5 442	13 104	11 965	..
Jordan	57	-	-	40	737	612	554	289	..
Kuwait	-	-	-	-	-	-	-	-	..
Lebanon	-	67	-	1 397	455	1 245	268	69	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	-	-	..
Syrian Arab Republic	-	- 67	-	-	- 665	- 353	- 262	- 67	..
United Arab Emirates	-	-	-	-	-	-	- 207	635	..
Yemen	-	-	-	-	-	-	-	-	..
Middle East	57	-	-	760	1 093	3 427	10 775	10 407	..

A negative number shows net exports.

1. Please refer to section 'Geographical coverage'.

Final consumption of coking coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	2 696	56 517	23 553	38 384	70 828	80 117	28 885	..
Non-OECD Total	..	1 845	54 081	20 234	34 903	65 480	75 671	26 993	..
OECD Total	..	851	2 436	3 319	3 481	5 348	4 446	1 892	-
Canada	..	-	300	300	300	300	300	300	..
Chile	..	-	-	-	-	-	-	-	..
Mexico	..	-	-	-	1 973	3 759	2 512	494	..
United States ¹	..	-	-	-	-	-	-	-	..
OECD Americas	..	-	300	300	2 273	4 059	2 812	794	-
Australia	..	-	-	-	-	-	-	-	..
Israel ²	..	-	-	-	-	-	-	-	..
Japan	..	24	1	2	2	2	3	3	..
Korea	..	-	-	-	-	147	1 260	693	..
New Zealand	..	-	-	-	-	90	5	8	..
OECD Asia Oceania	..	24	1	2	2	239	1 268	704	-
Austria	..	-	-	-	-	-	-	-	..
Belgium	..	5	-	-	-	-	-	-	..
Czech Republic	..	-	1 404	41	-	-	-	-	..
Denmark	..	7	-	-	-	-	-	-	..
Estonia	..	-	-	-	-	-	-	-	..
Finland	..	-	-	-	-	-	-	-	..
France	..	-	-	-	-	-	-	-	..
Germany	..	-	-	-	-	-	-	-	..
Greece	..	-	-	-	-	-	-	-	..
Hungary	..	277	12	-	-	-	-	-	..
Iceland	..	-	-	-	-	-	-	-	..
Ireland	..	-	14	-	-	-	-	-	..
Italy	..	-	-	225	221	176	90	88	..
Latvia	..	-	-	-	-	-	-	-	..
Luxembourg	..	-	-	-	-	-	-	-	..
Netherlands	..	-	127	101	87	3	94	118	..
Norway	..	-	-	-	-	-	-	-	..
Poland	..	-	-	18	-	11	2	3	..
Portugal	..	64	-	-	-	-	-	-	..
Slovak Republic	..	7	41	39	11	-	2	-	..
Slovenia	..	-	1	-	-	-	-	-	..
Spain	..	-	-	-	-	-	-	-	..
Sweden	..	-	-	-	-	-	-	-	..
Switzerland	..	-	-	-	-	-	-	-	..
Turkey	..	467	387	2 568	768	736	-	-	..
United Kingdom	..	-	149	25	119	124	178	185	..
OECD Europe	..	827	2 135	3 017	1 206	1 050	366	394	-
<i>IEA</i>	..	851	2 435	3 319	3 481	5 348	4 446	1 892	..
<i>IEA/Accession/Association</i>	..	2 646	26 302	20 331	34 465	64 084	70 160	20 468	..
<i>European Union - 28</i>	1 748	450	742	370	380	404	..
<i>G7</i>	..	24	450	552	642	602	571	576	..
<i>G8</i>	450	552	642	602	571	576	..
<i>G20</i>	26 303	20 332	34 769	64 050	70 169	20 470	..
<i>OPEC</i>	..	-	-	-	-	946	2 171	2 172	..

2017 data for consumption will be released in the 2019 edition.

1. For the United States, coal used by autoproducers of electricity and heat has been included in final consumption prior to 1989.

2. Please refer to section 'Geographical coverage'.

Final consumption of coking coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	1 845	54 081	20 234	34 903	65 480	75 671	26 993	..
Albania	..	-	-	-	-	-	-	-	..
Armenia	-	-	-	-	-	-	..
Azerbaijan	-	-	-	-	-	-	..
Belarus	-	-	-	-	-	-	..
Bosnia and Herzegovina	-	-	-	39	28	51	..
Bulgaria	..	-	-	-	-	-	-	-	..
Croatia	-	-	-	-	-	-	..
Cyprus ¹	..	-	-	-	-	-	-	-	..
FYR of Macedonia	116	67	-	-	-	-	..
Georgia	686	-	-	-	-	-	..
Gibraltar	..	-	-	-	-	-	-	-	..
Kazakhstan	29 381	3 134	3 604	5 042	6 830	5 130	..
Kosovo	-	-	-	-	-	..
Kyrgyzstan	-	-	-	-	-	-	..
Lithuania	-	-	-	-	-	-	..
Malta	..	-	-	-	-	-	-	-	..
Moldova	-	-	-	-	-	-	..
Montenegro	-	-	-	-	..
Romania	..	-	-	1	304	56	14	10	..
Russian Federation	-	-	-	-	-	-	..
Serbia	-	-	-	-	-	-	..
Tajikistan	-	2	-	-	-	-	..
Turkmenistan	-	-	-	-	-	-	..
Ukraine	-	-	-	-	22	154	..
Uzbekistan	-	-	-	-	-	-	..
Former Soviet Union	..	-	x	x	x	x	x	x	x
Former Yugoslavia	..	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	-	30 183	3 204	3 908	5 137	6 894	5 345	..
Algeria	..	-	-	-	-	-	-	-	..
Angola	..	-	-	-	-	-	-	-	..
Benin	..	-	-	-	-	-	-	-	..
Botswana	-	-	-	-	-	-	..
Cameroon	..	-	-	-	-	-	-	-	..
Congo	..	-	-	-	-	-	-	-	..
Côte d'Ivoire	..	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	..
Egypt	..	-	-	-	-	-	-	-	..
Eritrea	-	-	-	-	-	..
Ethiopia	..	-	-	-	-	-	-	-	..
Gabon	..	-	-	-	-	-	-	-	..
Ghana	..	-	-	-	-	-	-	-	..
Kenya	..	-	-	-	-	-	-	-	..
Libya	..	-	-	-	-	-	-	-	..
Mauritius	..	-	-	-	-	-	-	-	..
Morocco	..	-	-	-	-	-	-	-	..
Mozambique	..	-	-	-	-	-	-	-	..
Namibia	-	-	-	-	-	..
Niger	-	-	-	-	-	..
Nigeria	..	-	-	-	-	-	-	-	..
Senegal	..	-	-	-	-	-	-	-	..
South Africa	..	-	-	-	-	-	-	-	..
South Sudan	-	-	..
Sudan	..	-	-	-	-	-	-	-	..
Tanzania	..	-	-	-	-	-	-	-	..
Togo	..	-	-	-	-	-	-	-	..
Tunisia	..	-	-	-	-	-	-	-	..
Zambia	..	-	-	-	-	-	-	-	..
Zimbabwe	..	50	31	18	11	-	-	-	..
Other Africa	..	-	-	-	-	-	-	-	..
Africa	..	50	31	18	11	-	-	-	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Final consumption of coking coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	-	-	..
Brunei Darussalam	..	-	-	-	-	-	-	-	..
Cambodia	-	-	-	-	-	..
DPR of Korea	..	-	-	-	-	-	-	-	..
India	..	1 795	18 162	7 310	4 107	15 147	12 099	8 213	..
Indonesia	..	-	-	140	98	55	3 008	3 899	..
Malaysia	..	-	-	-	-	-	-	-	..
Mongolia	-	-	-	-	-	-	..
Myanmar	..	-	-	-	-	-	-	-	..
Nepal	..	-	-	-	-	-	-	-	..
Pakistan	..	-	-	-	-	-	-	-	..
Philippines	..	-	-	-	-	-	-	-	..
Singapore	..	-	-	-	-	-	-	-	..
Sri Lanka	..	-	-	-	-	-	-	-	..
Chinese Taipei	..	-	-	-	-	-	-	-	..
Thailand	..	-	-	-	-	-	-	-	..
Viet Nam	..	-	-	-	-	-	-	-	..
Other Non-OECD Asia	..	-	-	-	-	-	-	-	..
Non-OECD Asia excl. China	..	1 795	18 162	7 450	4 205	15 202	15 107	12 112	..
People's Republic of China	..	-	5 705	9 562	26 779	43 534	50 607	6 464	..
Hong Kong, China	..	-	-	-	-	-	-	-	..
China	..	-	5 705	9 562	26 779	43 534	50 607	6 464	..
Argentina	..	-	-	-	-	-	-	-	..
Bolivia	..	-	-	-	-	-	-	-	..
Brazil	..	-	-	-	-	-	-	-	..
Colombia	..	-	-	-	-	661	892	900	..
Costa Rica	..	-	-	-	-	-	-	-	..
Cuba	..	-	-	-	-	-	-	-	..
Curaçao ¹	..	-	-	-	-	-	-	-	..
Dominican Republic	..	-	-	-	-	-	-	-	..
Ecuador	..	-	-	-	-	-	-	-	..
El Salvador	..	-	-	-	-	-	-	-	..
Guatemala	..	-	-	-	-	-	-	-	..
Haiti	..	-	-	-	-	-	-	-	..
Honduras	..	-	-	-	-	-	-	-	..
Jamaica	..	-	-	-	-	-	-	-	..
Nicaragua	..	-	-	-	-	-	-	-	..
Panama	..	-	-	-	-	-	-	-	..
Paraguay	..	-	-	-	-	-	-	-	..
Peru	..	-	-	-	-	-	-	-	..
Suriname
Trinidad and Tobago	..	-	-	-	-	-	-	-	..
Uruguay	..	-	-	-	-	-	-	-	..
Venezuela	..	-	-	-	-	-	-	-	..
Other Non-OECD Americas	..	-	-	-	-	-	-	-	..
Non-OECD Americas	..	-	-	-	-	661	892	900	..
Bahrain	..	-	-	-	-	-	-	-	..
Islamic Republic of Iran	..	-	-	-	-	-	-	-	..
Iraq	..	-	-	-	-	-	-	-	..
Jordan	..	-	-	-	-	-	-	-	..
Kuwait	..	-	-	-	-	-	-	-	..
Lebanon	..	-	-	-	-	-	-	-	..
Oman	..	-	-	-	-	-	-	-	..
Qatar	..	-	-	-	-	-	-	-	..
Saudi Arabia	..	-	-	-	-	-	-	-	..
Syrian Arab Republic	..	-	-	-	-	-	-	-	..
United Arab Emirates	..	-	-	-	-	946	2 171	2 172	..
Yemen	..	-	-	-	-	-	-	-	..
Middle East	..	-	-	-	-	946	2 171	2 172	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Final consumption of other bituminous coal and anthracite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	942 550	948 973	684 206	1 137 680	1 422 852	1 444 231	1 398 954	..
Non-OECD Total	..	777 971	792 307	570 454	1 030 492	1 319 996	1 354 955	1 311 487	..
OECD Total	..	164 579	156 666	113 752	107 188	102 856	89 276	87 467	-
Canada	..	1 601	1 178	1 573	1 459	1 420	1 117	842	..
Chile	..	520	748	743	667	503	399	339	..
Mexico	..	-	-	-	48	48	89	61	..
United States ¹	..	54 369	59 321	34 227	33 454	28 026	19 536	16 563	..
OECD Americas	..	56 490	61 247	36 543	35 628	29 997	21 141	17 805	-
Australia	..	2 130	2 674	2 255	2 016	1 636	1 441	1 446	..
Israel ²	..	-	18	31	-	-	91	89	..
Japan	..	7 036	17 248	16 862	18 059	16 931	17 137	16 666	..
Korea	..	1 973	4 635	11 017	7 025	7 234	7 036	8 322	..
New Zealand	..	194	279	264	255	178	125	122	..
OECD Asia Oceania	..	11 333	24 854	30 429	27 355	25 979	25 830	26 645	-
Austria	..	485	401	392	259	179	166	152	..
Belgium	..	2 369	1 719	1 198	553	690	708	769	..
Czech Republic	..	11 771	4 522	1 670	1 424	692	643	655	..
Denmark	..	573	590	417	368	206	185	184	..
Estonia	211	77	52	58	26	27	..
Finland	..	870	1 052	356	272	178	130	210	..
France	..	6 029	6 326	3 158	2 912	2 671	2 097	2 081	..
Germany	..	10 170	7 559	2 812	2 311	2 707	3 495	3 296	..
Greece	..	144	1 380	1 115	563	456	281	314	..
Hungary	..	-	-	-	300	93	42	82	..
Iceland	..	12	65	101	117	106	116	124	..
Ireland	..	949	1 379	551	670	500	426	393	..
Italy	..	828	1 742	885	1 080	653	283	390	..
Latvia	407	79	110	146	74	62	..
Luxembourg	..	331	197	172	122	102	73	81	..
Netherlands	..	169	471	68	29	37	33	37	..
Norway	..	524	754	966	694	652	649	667	..
Poland	..	41 727	23 079	19 311	17 977	20 506	16 874	17 522	..
Portugal	..	13	804	484	18	75	11	6	..
Slovak Republic	..	1 011	766	729	705	964	531	439	..
Slovenia	31	11	49	16	7	6	..
Spain	..	1 310	2 762	948	1 107	730	490	475	..
Sweden	..	399	826	496	568	532	523	495	..
Switzerland	..	292	460	173	179	168	77	51	..
Turkey	..	553	2 363	6 769	9 311	11 028	11 741	12 286	..
United Kingdom	..	16 227	10 699	3 842	2 455	2 735	2 624	2 213	..
OECD Europe	..	96 756	70 565	46 780	44 205	46 880	42 305	43 017	-
<i>IEA</i>	..	164 047	155 397	112 787	106 245	102 085	88 589	86 847	..
<i>IEA/Accession/Association</i>	..	615 780	787 865	593 985	1 033 528	1 305 648	1 329 281	1 281 241	..
<i>European Union - 28</i>	69 339	39 261	34 899	35 893	30 584	30 727	..
<i>G7</i>	..	96 260	104 073	63 359	61 730	55 143	46 289	42 051	..
<i>G8</i>	172 366	81 510	72 584	63 222	54 148	49 237	..
<i>G20</i>	877 647	628 354	1 061 994	1 322 784	1 349 012	1 303 037	..
<i>OPEC</i>	..	287	465	340	885	428	895	1 153	..

1. For the United States, coal used by autoproducers of electricity and heat has been included in final consumption prior to 1989.

2. Please refer to section 'Geographical coverage'.

Final consumption of other bituminous coal and anthracite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	777 971	792 307	570 454	1 030 492	1 319 996	1 354 955	1 311 487	..
Albania	..	135	240	-	-	167	201	87	..
Armenia	552	-	-	1	-	2	..
Azerbaijan	200	-	-	-	-	-	..
Belarus	1 591	195	64	48	678	616	..
Bosnia and Herzegovina	-	-	-	-	-	-	..
Bulgaria	..	2 373	293	329	697	576	420	423	..
Croatia	148	53	169	168	78	46	..
Cyprus ¹	97	49	52	26	6	-	..
FYR of Macedonia	12	-	3	4	12	29	..
Georgia	142	-	9	8	121	95	..
Gibraltar	-	-	-	-	-	-	..
Kazakhstan	1 527	709	6 566	23 351	11 884	11 200	..
Kosovo	9	12	34	12	2	..
Kyrgyzstan	3 003	186	206	438	549	436	..
Lithuania	1 230	6	-	142	248	243	..
Malta	-	-	-	-	-	-	..
Moldova	1 969	120	175	183	168	121	..
Montenegro	-	-	-	-	..
Romania	..	2 859	648	53	77	55	110	126	..
Russian Federation	68 293	18 151	10 854	8 079	7 859	7 186	..
Serbia	137	218	64	144	150	114	..
Tajikistan	1 044	14	88	179	834	1 020	..
Turkmenistan	670	-	-	-	-	-	..
Ukraine	9 670	5 535	6 706	3 818	3 852	3 191	..
Uzbekistan	2 740	23	73	65	367	360	..
Former Soviet Union	..	259 626	x	x	x	x	x	x	x
Former Yugoslavia	..	270	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	265 263	94 206	25 650	25 815	37 486	27 549	25 297	..
Algeria	..	-	-	-	-	-	-	-	..
Angola	..	-	-	-	-	-	-	-	..
Benin	..	-	-	-	-	-	41	120	..
Botswana	186	310	270	61	82	74	..
Cameroon	..	-	-	-	-	-	-	-	..
Congo	..	-	-	-	-	-	-	-	..
Côte d'Ivoire	..	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	..	167	169	-	-	-	-	-	..
Egypt	..	-	-	-	-	-	-	-	..
Eritrea	-	-	-	-	-	..
Ethiopia	..	-	-	-	-	50	411	442	..
Gabon	..	-	-	-	-	-	-	-	..
Ghana	..	-	-	-	-	-	-	-	..
Kenya	..	16	151	107	145	268	566	557	..
Libya	..	-	-	-	-	-	-	-	..
Mauritius	..	-	20	24	23	25	36	33	..
Morocco	..	29	574	801	37	32	27	27	..
Mozambique	..	257	34	-	-	5	-	-	..
Namibia	-	-	-	-	-	..
Niger	-	-	-	-	-	..
Nigeria	..	162	58	3	8	38	47	46	..
Senegal	..	-	-	-	152	287	490	514	..
South Africa	..	24 510	21 690	21 744	25 019	20 883	22 633	22 284	..
South Sudan	-	-	..
Sudan	..	-	-	-	-	-	-	-	..
Tanzania	..	1	3	48	12	-	257	276	..
Togo	..	-	-	-	-	-	-	-	..
Tunisia	..	21	15	-	-	-	-	-	..
Zambia	..	569	346	119	128	1	164	169	..
Zimbabwe	..	1 298	2 056	1 586	603	914	266	256	..
Other Africa	..	304	83	185	137	141	171	175	..
Africa	..	27 334	25 385	24 927	26 534	22 705	25 191	24 973	..

1. Please refer to section 'Geographical coverage'.

Final consumption of other bituminous coal and anthracite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	235	563	660	845	1 119	3 978	2 839	..
Brunei Darussalam	..	-	-	-	-	-	-	-	..
Cambodia	-	-	-	-	-	..
DPR of Korea	..	24 916	27 033	18 341	20 045	11 916	5 200	5 992	..
India	..	47 736	53 917	48 529	74 942	145 346	174 463	180 026	..
Indonesia	..	128	1 312	167	403	647	399	390	..
Malaysia	..	84	814	1 572	2 132	2 897	2 821	2 831	..
Mongolia	595	70	427	748	447	779	..
Myanmar	..	205	60	468	229	362	584	301	..
Nepal	..	82	70	430	410	505	929	1 149	..
Pakistan	..	1 079	2 279	1 961	4 990	6 091	8 070	8 533	..
Philippines	..	-	-	-	-	-	-	-	..
Singapore	..	-	-	-	-	-	254	261	..
Sri Lanka	..	-	8	-	93	95	87	78	..
Chinese Taipei	..	1 993	4 358	5 632	7 125	8 957	10 379	11 028	..
Thailand	..	94	250	3 212	7 597	12 944	12 222	9 210	..
Viet Nam	..	2 697	2 365	5 755	9 149	17 509	20 032	23 816	..
Other Non-OECD Asia	..	657	303	462	480	1 604	1 829	1 855	..
Non-OECD Asia excl. China	..	79 906	93 927	87 259	128 867	210 740	241 694	249 088	..
People's Republic of China	..	403 114	575 552	424 324	839 218	1 039 431	1 047 480	999 148	..
Hong Kong, China	..	3	-	-	868	1 522	2 042	2 061	..
China	..	403 117	575 552	424 324	840 086	1 040 953	1 049 522	1 001 209	..
Argentina	..	26	10	53	-	-	7	36	..
Bolivia	..	-	-	-	-	-	-	-	..
Brazil	..	112	115	3 422	4 419	4 660	5 448	4 993	..
Colombia	..	1 937	2 364	3 413	2 558	1 588	2 746	3 004	..
Costa Rica	..	1	-	1	2	1	1	1	..
Cuba	..	95	153	22	22	23	7	2	..
Curaçao ¹	..	-	-	-	-	-	-	-	..
Dominican Republic	..	-	-	52	58	86	125	132	..
Ecuador	..	-	-	-	-	-	-	-	..
El Salvador	..	-	-	-	-	-	-	-	..
Guatemala	..	22	-	-	-	-	-	-	..
Haiti	..	-	12	-	-	-	-	-	..
Honduras	..	-	-	135	241	107	77	79	..
Jamaica	..	-	52	53	59	54	97	73	..
Nicaragua	..	-	-	-	-	-	-	-	..
Panama	..	-	32	60	-	-	-	-	..
Paraguay	..	-	-	-	-	-	-	-	..
Peru	..	26	91	545	753	804	999	795	..
Suriname	-	-	-	-	-	..
Trinidad and Tobago	..	-	-	-	-	-	-	-	..
Uruguay	..	4	1	1	1	4	4	5	..
Venezuela	..	42	332	181	51	273	187	169	..
Other Non-OECD Americas	..	1	-	-	-	-	-	-	..
Non-OECD Americas	..	2 266	3 162	7 938	8 164	7 600	9 698	9 289	..
Bahrain	..	-	-	-	-	-	-	-	..
Islamic Republic of Iran	..	83	75	156	590	95	256	329	..
Iraq	..	-	-	-	-	-	-	-	..
Jordan	..	-	-	-	-	-	253	315	..
Kuwait	..	-	-	-	-	-	-	-	..
Lebanon	..	1	-	200	200	225	253	257	..
Oman	..	-	-	-	-	-	-	-	..
Qatar	..	-	-	-	-	-	-	-	..
Saudi Arabia	..	-	-	-	-	-	-	-	..
Syrian Arab Republic	..	1	-	-	-	-	-	-	..
United Arab Emirates	..	-	-	-	236	22	405	609	..
Yemen	..	-	-	-	-	170	134	121	..
Middle East	..	85	75	356	1 026	512	1 301	1 631	..

1. Please refer to section 'Geographical coverage'.

Final consumption of sub-bituminous coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	18 886	28 678	27 179	38 235	37 923	38 905	37 687	..
Non-OECD Total	..	10 566	15 507	17 674	26 235	25 865	26 266	26 287	..
OECD Total	..	8 320	13 171	9 505	12 000	12 058	12 639	11 400	-
Canada	..	93	392	546	599	442	338	289	..
Chile	..	-	-	-	-	-	-	-	..
Mexico	..	-	-	-	587	735	2 289	1 197	..
United States ¹	..	3 027	8 201	5 328	6 478	6 907	6 281	6 303	..
OECD Americas	..	3 120	8 593	5 874	7 664	8 084	8 908	7 789	-
Australia	..	1 395	2 495	2 676	2 646	2 450	2 226	2 473	..
Israel ²	..	-	-	-	-	-	-	-	..
Japan	..	-	-	-	-	-	-	-	..
Korea	..	-	-	-	-	-	-	-	..
New Zealand	..	1 119	779	418	530	596	755	679	..
OECD Asia Oceania	..	2 514	3 274	3 094	3 176	3 046	2 981	3 152	-
Austria	..	-	-	38	64	69	82	70	..
Belgium	..	1 110	352	83	16	-	-	-	..
Czech Republic	..	-	-	-	-	-	-	-	..
Denmark	..	-	-	-	-	-	-	-	..
Estonia	..	-	-	-	-	-	-	-	..
Finland	..	-	-	-	-	-	-	-	..
France	..	-	-	-	-	-	-	-	..
Germany	..	-	-	-	-	-	-	-	..
Greece	..	-	-	-	-	-	-	-	..
Hungary	..	897	505	321	268	189	91	118	..
Iceland	..	-	-	-	-	-	-	-	..
Ireland	..	-	-	-	-	-	-	-	..
Italy	..	-	-	-	-	-	-	-	..
Latvia	..	-	-	-	-	-	-	-	..
Luxembourg	..	-	-	-	-	-	-	-	..
Netherlands	..	-	-	-	-	-	-	-	..
Norway	..	-	-	-	-	-	-	-	..
Poland	..	-	-	-	-	-	-	-	..
Portugal	..	16	16	-	-	-	-	-	..
Slovak Republic	..	-	-	-	-	-	-	-	..
Slovenia	..	-	-	73	74	42	35	38	..
Spain	..	105	144	-	-	-	-	-	..
Sweden	..	-	-	-	-	-	-	-	..
Switzerland	..	-	-	-	-	-	-	-	..
Turkey	..	558	287	22	738	628	542	233	..
United Kingdom	..	-	-	-	-	-	-	-	..
OECD Europe	..	2 686	1 304	537	1 160	928	750	459	-
<i>IEA</i>	..	8 320	13 171	9 432	11 926	12 016	12 604	11 362	..
<i>IEA/Accession/Association</i>	..	9 263	17 576	18 520	27 738	27 525	30 560	26 952	..
<i>European Union - 28</i>	1 017	627	911	664	691	723	..
<i>G7</i>	..	3 120	8 593	5 874	7 077	7 349	6 619	6 592	..
<i>G8</i>	8 593	5 874	7 077	7 349	6 619	6 592	..
<i>G20</i>	16 797	18 287	27 771	27 335	30 323	26 808	..
<i>OPEC</i>	..	-	-	-	-	-	-	-	..

2017 data for consumption will be released in the 2019 edition.

1. For the United States, coal used by autoproducers of electricity and heat has been included in final consumption prior to 1989.

2. Please refer to section 'Geographical coverage'.

Final consumption of sub-bituminous coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	10 566	15 507	17 674	26 235	25 865	26 266	26 287	..
Albania	..	-	-	-	-	-	-	-	..
Armenia	-	-	-	-	-	-	..
Azerbaijan	-	-	-	-	-	-	..
Belarus	-	-	-	-	-	-	..
Bosnia and Herzegovina	-	527	694	297	-	-	..
Bulgaria	..	-	-	-	-	-	-	-	..
Croatia	-	-	-	28	-	-	..
Cyprus ¹	..	-	-	-	-	-	-	-	..
FYR of Macedonia	-	-	94	151	144	175	..
Georgia	-	-	-	-	-	-	..
Gibraltar	..	-	-	-	-	-	-	-	..
Kazakhstan	-	-	-	-	-	-	..
Kosovo	-	-	-	-	-	..
Kyrgyzstan	-	-	-	-	-	-	..
Lithuania	-	112	273	150	-	1	..
Malta	..	-	-	-	-	-	-	-	..
Moldova	-	-	-	-	-	-	..
Montenegro	-	-	-	-	..
Romania	..	-	-	-	216	186	483	496	..
Russian Federation	-	-	-	-	-	-	..
Serbia	-	50	107	-	-	-	..
Tajikistan	-	13	15	28	-	-	..
Turkmenistan	-	-	-	-	-	-	..
Ukraine	-	-	-	-	-	-	..
Uzbekistan	-	-	-	-	-	-	..
Former Soviet Union	..	-	x	x	x	x	x	x	x
Former Yugoslavia	..	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	-	-	702	1 399	840	627	672	..
Algeria	..	-	-	-	-	-	-	-	..
Angola	..	-	-	-	-	-	-	-	..
Benin	..	-	-	-	-	-	-	-	..
Botswana	-	-	-	-	-	-	..
Cameroon	..	-	-	-	-	-	-	-	..
Congo	..	-	-	-	-	-	-	-	..
Côte d'Ivoire	..	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	..
Egypt	..	-	-	-	-	-	-	-	..
Eritrea	-	-	-	-	-	..
Ethiopia	..	-	-	-	-	-	-	-	..
Gabon	..	-	-	-	-	-	-	-	..
Ghana	..	-	-	-	-	-	-	-	..
Kenya	..	-	-	-	-	-	-	-	..
Libya	..	-	-	-	-	-	-	-	..
Mauritius	..	-	-	-	-	-	-	-	..
Morocco	..	-	-	-	-	-	-	-	..
Mozambique	..	-	-	-	-	-	-	-	..
Namibia	-	-	-	-	-	..
Niger	-	-	-	-	-	..
Nigeria	..	-	-	-	-	-	-	-	..
Senegal	..	-	-	-	-	-	-	-	..
South Africa	..	-	-	-	-	-	-	-	..
South Sudan	-	-	..
Sudan	..	-	-	-	-	-	-	-	..
Tanzania	..	-	-	-	-	-	-	-	..
Togo	..	-	-	-	-	-	-	-	..
Tunisia	..	-	-	-	-	-	-	-	..
Zambia	..	-	-	-	-	-	-	-	..
Zimbabwe	..	-	-	-	-	-	-	-	..
Other Africa	..	-	-	-	-	-	-	-	..
Africa	..	-	-	-	-	-	-	-	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Final consumption of sub-bituminous coal

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	-	-	..
Brunei Darussalam	..	-	-	-	-	-	-	-	..
Cambodia	-	-	10	27	35	..
DPR of Korea	..	9 428	10 106	6 557	7 022	6 038	2 293	2 497	..
India	..	-	-	-	-	-	-	-	..
Indonesia	..	-	2 743	8 445	15 250	14 303	16 322	14 730	..
Malaysia	..	-	-	-	-	-	-	-	..
Mongolia	-	-	-	-	-	-	..
Myanmar	..	-	-	-	-	-	-	-	..
Nepal	..	-	-	-	-	-	-	-	..
Pakistan	..	-	-	-	-	-	-	-	..
Philippines	..	195	996	1 327	2 002	3 468	4 203	5 072	..
Singapore	..	-	-	-	-	-	-	-	..
Sri Lanka	..	-	-	-	-	-	-	-	..
Chinese Taipei	..	-	-	-	-	-	-	-	..
Thailand	..	-	-	-	-	-	-	-	..
Viet Nam	..	-	-	-	-	-	1 160	2 421	..
Other Non-OECD Asia	..	-	-	-	-	-	-	-	..
Non-OECD Asia excl. China	..	9 623	13 845	16 329	24 274	23 819	24 005	24 755	..
People's Republic of China
Hong Kong, China	..	-	-	-	-	-	-	-	..
China	..	-	-	-	-	-	-	-	..
Argentina	..	-	-	-	-	-	-	-	..
Bolivia	..	-	-	-	-	-	-	-	..
Brazil	..	943	1 662	643	562	1 206	1 634	860	..
Colombia	..	-	-	-	-	-	-	-	..
Costa Rica	..	-	-	-	-	-	-	-	..
Cuba	..	-	-	-	-	-	-	-	..
Curaçao ¹	..	-	-	-	-	-	-	-	..
Dominican Republic	..	-	-	-	-	-	-	-	..
Ecuador	..	-	-	-	-	-	-	-	..
El Salvador	..	-	-	-	-	-	-	-	..
Guatemala	..	-	-	-	-	-	-	-	..
Haiti	..	-	-	-	-	-	-	-	..
Honduras	..	-	-	-	-	-	-	-	..
Jamaica	..	-	-	-	-	-	-	-	..
Nicaragua	..	-	-	-	-	-	-	-	..
Panama	..	-	-	-	-	-	-	-	..
Paraguay	..	-	-	-	-	-	-	-	..
Peru	..	-	-	-	-	-	-	-	..
Suriname
Trinidad and Tobago	..	-	-	-	-	-	-	-	..
Uruguay	..	-	-	-	-	-	-	-	..
Venezuela	..	-	-	-	-	-	-	-	..
Other Non-OECD Americas	..	-	-	-	-	-	-	-	..
Non-OECD Americas	..	943	1 662	643	562	1 206	1 634	860	..
Bahrain	..	-	-	-	-	-	-	-	..
Islamic Republic of Iran	..	-	-	-	-	-	-	-	..
Iraq	..	-	-	-	-	-	-	-	..
Jordan	..	-	-	-	-	-	-	-	..
Kuwait	..	-	-	-	-	-	-	-	..
Lebanon	..	-	-	-	-	-	-	-	..
Oman	..	-	-	-	-	-	-	-	..
Qatar	..	-	-	-	-	-	-	-	..
Saudi Arabia	..	-	-	-	-	-	-	-	..
Syrian Arab Republic	..	-	-	-	-	-	-	-	..
United Arab Emirates	..	-	-	-	-	-	-	-	..
Yemen	..	-	-	-	-	-	-	-	..
Middle East	..	-	-	-	-	-	-	-	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Final consumption of lignite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	115 680	118 949	45 278	41 157	40 033	29 985	31 423	..
Non-OECD Total	..	25 929	40 511	19 531	23 180	19 521	16 002	17 413	..
OECD Total	..	89 751	78 438	25 747	17 977	20 512	13 983	14 010	-
Canada	..	311	269	340	614	534	373	299	..
Chile	..	-	-	-	-	-	-	-	..
Mexico	..	-	-	-	779	720	576	453	..
United States	..	2 928	1 350	1 473	294	296	438	450	..
OECD Americas	..	3 239	1 619	1 813	1 687	1 550	1 387	1 202	-
Australia	..	311	73	-	2	2	19	24	..
Israel ¹	..	-	-	-	-	-	-	-	..
Japan	..	27	-	-	-	-	-	-	..
Korea	..	-	-	-	-	-	-	-	..
New Zealand	..	192	194	248	263	250	312	296	..
OECD Asia Oceania	..	530	267	248	265	252	331	320	-
Austria	..	840	365	112	75	35	11	10	..
Belgium	..	95	276	-	-	-	-	-	..
Czech Republic	..	32 261	17 863	8 802	5 180	2 924	2 259	2 283	..
Denmark	..	-	-	-	-	-	-	-	..
Estonia	..	-	-	-	-	-	-	-	..
Finland	..	-	-	-	-	-	-	-	..
France	..	213	307	89	36	52	122	105	..
Germany	..	26 053	28 734	519	452	598	550	620	..
Greece	..	1 289	1 172	464	256	48	244	50	..
Hungary	..	4 885	2 419	460	103	179	341	278	..
Iceland	..	-	-	-	-	-	-	-	..
Ireland	..	-	-	-	-	-	-	-	..
Italy	..	99	33	26	8	6	3	2	..
Latvia	..	-	3	-	-	-	-	-	..
Luxembourg	..	28	-	-	-	-	-	-	..
Netherlands	..	156	56	30	28	27	41	36	..
Norway	..	-	-	-	-	-	-	-	..
Poland	..	827	211	295	494	891	624	527	..
Portugal	..	-	-	-	-	-	-	-	..
Slovak Republic	..	10 045	8 635	1 162	437	185	145	150	..
Slovenia	..	-	726	11	-	17	22	8	..
Spain	..	-	-	-	-	-	-	-	..
Sweden	..	-	-	-	-	-	-	-	..
Switzerland	..	-	13	6	39	62	130	130	..
Turkey	..	9 191	15 739	11 710	8 917	13 686	7 773	8 289	..
United Kingdom	..	-	-	-	-	-	-	-	..
OECD Europe	..	85 982	76 552	23 686	16 025	18 710	12 265	12 488	-
<i>IEA</i>	..	89 751	77 709	25 736	17 977	20 495	13 961	14 002	..
<i>IEA/Accession/Association</i>	..	90 602	83 653	32 400	27 764	28 392	18 919	18 891	..
<i>European Union - 28</i>	64 744	12 925	8 082	5 968	5 161	4 522	..
<i>G7</i>	..	29 631	30 693	2 447	1 404	1 486	1 486	1 476	..
<i>G8</i>	34 519	5 807	3 496	3 432	2 740	2 593	..
<i>G20</i>	89 363	33 060	26 107	29 012	19 646	19 507	..
<i>OPEC</i>	..	-	-	-	-	2	-	-	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Final consumption of lignite

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	25 929	40 511	19 531	23 180	19 521	16 002	17 413	..
Albania	..	1 203	1 199	47	54	10	-	-	..
Armenia	-	-	-	-	-	-	..
Azerbaijan	-	-	-	-	-	-	..
Belarus	-	-	-	-	-	-	..
Bosnia and Herzegovina	9 000	480	501	436	909	873	..
Bulgaria	..	4 158	961	240	198	129	108	73	..
Croatia	716	77	71	49	37	41	..
Cyprus ¹	-	-	1	1	-	-	..
FYR of Macedonia	177	31	274	61	66	43	..
Georgia	93	19	9	46	303	259	..
Gibraltar	-	-	-	-	-	-	..
Kazakhstan	3 443	2 430	4 074	3 415	2 631	3 211	..
Kosovo	152	173	292	222	529	..
Kyrgyzstan	2 140	346	298	510	652	849	..
Lithuania	-	1	3	1	-	-	..
Malta	-	-	-	-	-	-	..
Moldova	-	-	-	-	-	-	..
Montenegro	83	50	52	55	..
Romania	..	7 749	2 267	637	740	826	654	339	..
Russian Federation	3 826	3 360	2 092	1 946	1 254	1 117	..
Serbia	1 204	1 740	1 269	1 237	879	973	..
Tajikistan	450	-	-	-	57	50	..
Turkmenistan	-	-	-	-	-	-	..
Ukraine ²	6 345	475	63	-	-	-	..
Uzbekistan	151	1 051	574	977	1 012	961	..
Former Soviet Union	x	x	x	x	x	x	x
Former Yugoslavia	..	7 270	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	20 380	31 972	11 086	10 477	9 986	8 836	9 373	..
Algeria	..	-	-	-	-	-	-	-	..
Angola	..	-	-	-	-	-	-	-	..
Benin	..	-	-	-	-	-	-	-	..
Botswana	..	-	-	-	-	-	-	-	..
Cameroon	..	-	-	-	-	-	-	-	..
Congo	..	-	-	-	-	-	-	-	..
Côte d'Ivoire	..	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	..
Egypt	..	-	-	-	-	-	-	-	..
Eritrea	..	-	-	-	-	-	-	-	..
Ethiopia	..	-	-	-	-	-	-	-	..
Gabon	..	-	-	-	-	-	-	-	..
Ghana	..	-	-	-	-	-	-	-	..
Kenya	..	-	-	-	-	-	-	-	..
Libya	..	-	-	-	-	-	-	-	..
Mauritius	..	-	-	-	-	-	-	-	..
Morocco	..	-	-	-	-	-	-	-	..
Mozambique	..	-	-	-	-	-	-	-	..
Namibia	..	-	-	-	-	-	-	-	..
Niger	..	-	-	-	-	-	-	-	..
Nigeria	..	-	-	-	-	-	-	-	..
Senegal	..	-	-	-	-	-	-	-	..
South Africa	..	-	-	-	-	-	-	-	..
South Sudan	..	-	-	-	-	-	-	-	..
Sudan	..	-	-	-	-	-	-	-	..
Tanzania	..	-	-	-	-	-	-	-	..
Togo	..	-	-	-	-	-	-	-	..
Tunisia	..	-	-	-	-	-	-	-	..
Zambia	..	-	-	-	-	-	-	-	..
Zimbabwe	..	-	-	-	-	-	-	-	..
Other Africa	..	-	-	-	-	-	-	-	..
Africa	..	-	-	-	-	-	-	-	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

2. Peat includes lignite starting from 2007. See confidentiality issue in section 'Country notes and sources'.

Final consumption of lignite

Unit: 1000 tonnes	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	32	-	..
Brunei Darussalam	..	-	-	-	-	-	-	-	..
Cambodia	-	-	-	-	-	..
DPR of Korea	..	-	-	-	-	-	-	-	..
India	..	626	2 950	3 162	5 290	5 770	4 034	4 323	..
Indonesia	..	-	-	-	-	-	-	-	..
Malaysia	..	-	-	-	-	-	-	-	..
Mongolia	1 730	693	419	403	518	888	..
Myanmar	..	27	38	112	70	40	54	657	..
Nepal	..	-	-	-	-	-	-	-	..
Pakistan	..	471	824	928	2 010	1 101	752	504	..
Philippines	..	-	3	3	-	-	12	250	..
Singapore	..	-	-	-	-	-	-	-	..
Sri Lanka	..	-	-	-	-	-	-	-	..
Chinese Taipei	..	-	-	-	-	-	-	-	..
Thailand	..	127	2 582	3 412	4 460	2 037	906	536	..
Viet Nam	..	-	-	-	322	-	-	-	..
Other Non-OECD Asia	..	4 200	-	45	95	92	840	852	..
Non-OECD Asia excl. China	..	5 451	8 127	8 355	12 666	9 443	7 148	8 010	..
People's Republic of China
Hong Kong, China	..	-	-	-	-	-	-	-	..
China	..	-	-	-	-	-	-	-	..
Argentina	..	-	-	-	-	-	-	-	..
Bolivia	..	-	-	-	-	-	-	-	..
Brazil	..	98	412	90	37	90	18	30	..
Colombia	..	-	-	-	-	-	-	-	..
Costa Rica	..	-	-	-	-	-	-	-	..
Cuba	..	-	-	-	-	-	-	-	..
Curaçao ¹	..	-	-	-	-	-	-	-	..
Dominican Republic	..	-	-	-	-	-	-	-	..
Ecuador	..	-	-	-	-	-	-	-	..
El Salvador	..	-	-	-	-	-	-	-	..
Guatemala	..	-	-	-	-	-	-	-	..
Haiti	..	-	-	-	-	-	-	-	..
Honduras	..	-	-	-	-	-	-	-	..
Jamaica	..	-	-	-	-	-	-	-	..
Nicaragua	..	-	-	-	-	-	-	-	..
Panama	..	-	-	-	-	-	-	-	..
Paraguay	..	-	-	-	-	-	-	-	..
Peru	..	-	-	-	-	-	-	-	..
Suriname	-	-	-	-	-	..
Trinidad and Tobago	..	-	-	-	-	-	-	-	..
Uruguay	..	-	-	-	-	-	-	-	..
Venezuela	..	-	-	-	-	-	-	-	..
Other Non-OECD Americas	..	-	-	-	-	-	-	-	..
Non-OECD Americas	..	98	412	90	37	90	18	30	..
Bahrain	..	-	-	-	-	-	-	-	..
Islamic Republic of Iran	..	-	-	-	-	-	-	-	..
Iraq	..	-	-	-	-	-	-	-	..
Jordan	..	-	-	-	-	-	-	-	..
Kuwait	..	-	-	-	-	-	-	-	..
Lebanon	..	-	-	-	-	-	-	-	..
Oman	..	-	-	-	-	-	-	-	..
Qatar	..	-	-	-	-	-	-	-	..
Saudi Arabia	..	-	-	-	-	-	-	-	..
Syrian Arab Republic	..	-	-	-	-	-	-	-	..
United Arab Emirates	..	-	-	-	-	2	-	-	..
Yemen	..	-	-	-	-	-	-	-	..
Middle East	..	-	-	-	-	2	-	-	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Final consumption of oil

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World¹	2 204 849	2 388 875	2 528 525	3 019 858	3 339 134	3 479 739	3 722 088	3 780 733	..
Non-OECD Total	477 545	682 222	791 314	971 233	1 175 059	1 414 343	1 687 492	1 716 615	..
OECD Total	1 542 678	1 528 022	1 535 958	1 776 522	1 847 314	1 708 269	1 654 290	1 669 094	..
Canada	73 885	77 708	66 128	77 208	84 848	85 947	86 695	87 915	..
Chile	3 697	3 881	5 275	8 773	9 147	11 636	13 287	14 219	..
Mexico	21 289	38 100	48 380	57 807	64 371	70 928	69 501	71 995	..
United States	664 338	660 153	651 984	753 501	803 664	723 235	703 727	705 798	..
OECD Americas	763 209	779 842	771 767	897 289	962 030	891 746	873 210	879 927	..
Australia	23 418	25 945	27 877	33 336	35 248	37 581	40 600	41 401	..
Israel ²	2 851	3 362	4 847	7 795	7 397	9 198	8 120	8 302	..
Japan	166 292	151 679	171 540	195 342	185 406	158 865	148 454	144 879	..
Korea	9 678	18 300	42 301	77 040	76 754	78 764	86 999	90 569	..
New Zealand	3 377	3 489	3 878	5 127	5 753	5 705	6 004	6 151	..
OECD Asia Oceania	205 616	202 775	250 443	318 640	310 558	290 113	290 177	291 302	..
Austria	10 017	9 768	8 727	10 196	12 311	10 868	10 558	10 868	..
Belgium	20 087	16 612	15 946	20 755	21 496	20 475	21 003	20 647	..
Czech Republic	7 816	9 241	8 215	7 159	9 117	8 452	8 196	7 566	..
Denmark	13 267	11 285	6 765	6 486	6 638	6 105	5 140	5 249	..
Estonia	..	..	1 842	774	996	964	1 020	1 019	..
Finland	11 293	9 954	9 225	8 137	8 444	7 998	7 441	8 020	..
France	95 166	86 407	73 765	79 611	78 819	70 068	65 886	64 565	..
Germany	132 335	120 765	108 545	111 243	101 378	92 275	89 755	89 906	..
Greece	6 457	8 060	9 652	12 254	13 980	12 095	8 888	9 056	..
Hungary	6 418	8 894	6 980	5 063	6 392	5 908	6 336	6 321	..
Iceland	536	545	549	598	631	522	554	546	..
Ireland	3 543	3 862	3 708	6 623	7 795	6 729	5 671	5 974	..
Italy	69 812	63 820	60 795	61 371	62 855	53 769	46 407	45 276	..
Latvia	..	..	2 031	1 081	1 340	1 374	1 347	1 339	..
Luxembourg	1 474	988	1 452	1 963	2 658	2 399	2 147	2 084	..
Netherlands	22 986	23 571	20 800	22 744	26 765	26 961	23 187	23 992	..
Norway	7 342	8 040	7 249	7 387	7 992	8 287	7 656	7 483	..
Poland	8 871	12 873	10 708	17 009	19 217	22 626	21 631	23 816	..
Portugal	4 168	5 734	8 188	12 061	12 197	10 008	8 070	7 831	..
Slovak Republic	3 877	5 080	4 917	2 970	2 950	3 021	2 692	2 871	..
Slovenia	..	..	1 454	2 275	2 485	2 517	2 220	2 339	..
Spain	28 879	36 609	37 850	51 964	57 772	50 043	39 667	41 445	..
Sweden	24 434	20 115	13 689	13 787	12 566	10 898	9 052	9 583	..
Switzerland	13 266	11 863	10 997	10 823	10 946	10 511	8 827	8 830	..
Turkey	9 555	12 652	20 100	25 582	25 617	27 734	35 256	37 843	..
United Kingdom	72 254	58 667	59 599	60 677	61 369	53 803	52 296	53 396	..
OECD Europe	573 853	545 405	513 748	560 593	574 726	526 410	490 903	497 865	..
International marine bunkers	124 477	113 801	118 605	158 682	181 988	211 270	210 859	217 320	..
International aviation bunkers	60 149	64 830	82 648	113 421	134 773	145 857	169 447	177 704	..
<i>IEA</i>	<i>1 535 594</i>	<i>1 520 234</i>	<i>1 521 802</i>	<i>1 756 000</i>	<i>1 826 314</i>	<i>1 683 022</i>	<i>1 628 762</i>	<i>1 642 349</i>	..
<i>IEA/Accession/Association</i>	<i>1 649 415</i>	<i>1 685 041</i>	<i>1 759 128</i>	<i>2 197 094</i>	<i>2 390 868</i>	<i>2 399 236</i>	<i>2 525 236</i>	<i>2 561 184</i>	..
<i>European Union - 28</i>	..	..	496 807	531 628	547 667	495 015	455 493	460 611	..
<i>G7</i>	<i>1 274 082</i>	<i>1 219 199</i>	<i>1 192 356</i>	<i>1 338 953</i>	<i>1 378 339</i>	<i>1 237 962</i>	<i>1 193 220</i>	<i>1 191 735</i>	..
<i>G8</i>	..	..	1 334 255	1 426 451	1 467 196	1 343 441	1 322 573	1 320 626	..
<i>G20</i>	..	..	1 936 757	2 316 088	2 508 810	2 548 194	2 714 528	2 743 205	..
<i>OPEC</i>	<i>33 254</i>	<i>83 972</i>	<i>122 092</i>	<i>168 015</i>	<i>205 983</i>	<i>244 736</i>	<i>273 593</i>	<i>269 034</i>	..

2017 data for consumption will be released in the 2019 edition.

1. World includes International marine bunkers and International aviation bunkers.

2. Please refer to section 'Geographical coverage'.

Final consumption of oil

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	477 545	682 222	791 314	971 233	1 175 059	1 414 343	1 687 492	1 716 615	..
Albania	468	1 244	929	921	1 243	1 202	1 152	1 178	..
Armenia	..	..	2 329	287	361	372	308	296	..
Azerbaijan	..	..	3 976	1 877	2 763	2 589	3 426	3 303	..
Belarus	..	..	15 889	5 303	5 572	5 589	5 231	5 165	..
Bosnia and Herzegovina	..	..	1 562	1 055	1 053	1 512	1 291	1 470	..
Bulgaria	9 117	8 184	5 369	3 526	3 983	3 125	3 437	3 331	..
Croatia	..	..	2 910	2 775	3 307	2 955	2 738	2 823	..
Cyprus ¹	474	527	642	1 125	1 171	1 174	957	1 007	..
FYR of Macedonia	..	..	894	644	778	827	918	1 031	..
Georgia	..	..	2 875	612	682	934	1 168	1 401	..
Gibraltar	20	21	39	97	116	130	157	170	..
Kazakhstan	..	..	14 916	6 257	7 696	8 919	12 117	12 673	..
Kosovo	..	..	..	316	436	515	684	662	..
Kyrgyzstan	..	..	2 914	401	460	905	1 533	1 638	..
Lithuania	..	..	4 142	1 408	1 735	1 686	1 911	2 065	..
Malta	119	116	182	176	231	243	263	266	..
Moldova	..	..	3 597	367	616	714	773	823	..
Montenegro	..	..	..	..	277	309	277	307	..
Romania	10 451	14 723	8 709	6 415	7 700	6 476	7 577	7 956	..
Russian Federation	..	..	141 899	87 498	88 857	105 479	129 353	128 891	..
Serbia	..	..	4 279	1 154	3 341	3 151	2 900	3 138	..
Tajikistan	..	..	1 697	213	297	510	800	805	..
Turkmenistan	..	..	4 736	3 550	4 688	5 169	6 070	6 034	..
Ukraine	..	..	42 251	10 353	12 610	12 204	9 199	9 337	..
Uzbekistan	..	..	7 248	4 765	3 647	3 300	2 338	2 156	..
Former Soviet Union	202 200	272 200	x	x	x	x	x	x	x
Former Yugoslavia	8 548	10 837	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	231 397	307 852	273 984	141 095	153 620	169 989	196 578	197 926	..
Algeria	2 155	4 351	7 524	7 794	9 752	13 487	17 415	16 863	..
Angola	609	634	817	998	1 371	3 669	4 711	4 571	..
Benin	122	120	73	441	830	1 427	1 576	1 638	..
Botswana	..	..	281	540	646	830	992	1 023	..
Cameroon	240	506	872	905	911	1 105	1 310	1 334	..
Congo	177	201	212	173	270	534	737	722	..
Côte d'Ivoire	644	933	735	920	764	942	1 656	1 864	..
Dem. Rep. of the Congo	537	681	669	271	408	579	863	626	..
Egypt	5 527	9 836	15 687	19 396	22 231	27 849	28 310	29 237	..
Eritrea	..	..	..	110	110	69	85	87	..
Ethiopia	337	366	628	1 046	1 463	1 893	2 983	3 188	..
Gabon	162	377	192	341	367	596	743	751	..
Ghana	649	696	864	1 467	1 737	2 447	3 582	3 368	..
Kenya	936	1 248	1 559	1 753	1 791	2 705	3 778	4 048	..
Libya	780	2 502	3 392	5 907	6 210	8 728	6 092	8 069	..
Mauritius	84	127	216	387	425	444	486	510	..
Morocco	1 980	3 160	3 468	5 436	7 392	9 506	10 902	11 070	..
Mozambique	322	378	288	409	469	691	1 073	1 770	..
Namibia	..	..	..	580	753	936	1 164	1 226	..
Niger	..	..	..	138	162	337	468	462	..
Nigeria	2 232	6 840	6 101	9 177	11 520	11 073	17 072	17 757	..
Senegal	324	447	416	683	761	879	1 116	1 217	..
South Africa	10 029	10 871	14 527	15 401	18 292	22 222	25 128	25 292	..
South Sudan	..	..	..	..	..	..	374	343	..
Sudan	1 411	1 105	1 622	1 434	2 429	4 475	3 889	4 298	..
Tanzania	480	431	451	702	1 142	1 430	2 547	2 523	..
Togo	75	111	161	272	293	639	588	615	..
Tunisia	932	1 583	2 266	3 235	3 907	3 848	4 399	4 374	..
Zambia	616	594	541	450	592	563	912	914	..
Zimbabwe	636	593	838	934	648	609	1 155	1 019	..
Other Africa	2 794	3 403	3 559	4 089	4 513	5 488	7 539	7 681	..
Africa	34 790	52 094	67 959	85 389	102 159	130 000	153 645	158 460	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Final consumption of oil

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	586	1 218	1 525	2 652	3 051	3 111	3 767	3 796	..
Brunei Darussalam	61	169	248	345	382	546	604	565	..
Cambodia	..	..	..	519	607	1 234	1 798	2 020	..
DPR of Korea	765	2 342	2 042	633	527	549	576	588	..
India	19 546	25 972	48 725	91 867	103 024	130 286	172 042	180 554	..
Indonesia	7 363	16 648	26 283	46 266	50 184	53 986	63 900	63 494	..
Malaysia	3 153	5 084	8 907	17 783	20 749	23 099	26 636	27 145	..
Mongolia	..	..	685	380	497	731	1 016	872	..
Myanmar	938	1 139	574	1 481	1 895	995	3 329	3 985	..
Nepal	57	95	220	625	648	889	1 061	1 749	..
Pakistan	2 770	4 003	7 482	11 352	11 068	11 035	16 535	17 468	..
Philippines	6 664	6 744	8 073	12 905	11 670	11 222	14 676	16 158	..
Singapore	1 081	1 561	3 623	5 481	9 246	10 063	11 950	12 126	..
Sri Lanka	1 012	1 041	1 139	2 396	2 712	2 817	3 939	3 848	..
Chinese Taipei	4 872	11 656	17 895	27 438	34 514	37 590	36 199	36 040	..
Thailand	5 453	7 146	14 573	28 047	38 382	41 612	49 231	51 119	..
Viet Nam	3 654	1 628	2 276	6 369	11 087	16 322	17 672	20 065	..
Other Non-OECD Asia	1 861	1 972	1 904	1 959	2 290	3 578	5 518	5 598	..
Non-OECD Asia excl. China	59 836	88 418	146 174	258 498	302 533	349 665	430 449	447 190	..
People's Republic of China	42 099	57 920	83 453	176 518	269 339	366 097	473 697	486 533	..
Hong Kong, China	1 415	1 789	2 712	5 447	2 707	2 857	3 089	3 279	..
China	43 514	59 709	86 165	181 965	272 046	368 954	476 786	489 812	..
Argentina	16 806	18 451	15 124	21 827	22 154	24 149	25 229	25 059	..
Bolivia	675	1 057	1 052	1 526	1 770	2 484	3 311	3 622	..
Brazil	32 602	48 519	51 926	78 706	77 840	93 028	101 465	99 720	..
Colombia	5 605	6 316	8 442	10 847	10 433	9 801	12 368	12 796	..
Costa Rica	426	648	774	1 481	1 630	1 855	2 147	2 289	..
Cuba	5 248	6 847	7 085	5 195	3 853	4 494	4 001	3 621	..
Curaçao ¹	2 193	1 019	564	778	831	888	622	623	..
Dominican Republic	854	1 048	1 428	2 764	2 777	3 024	2 852	3 124	..
Ecuador	1 009	2 637	4 053	5 094	6 464	7 804	8 894	8 604	..
El Salvador	446	530	667	1 309	1 535	1 437	1 580	1 680	..
Guatemala	635	829	978	1 992	2 401	2 476	3 320	3 542	..
Haiti	113	175	216	390	580	576	719	728	..
Honduras	345	466	675	989	1 349	1 447	1 775	1 765	..
Jamaica	1 922	1 715	1 660	1 352	1 886	1 278	1 344	1 390	..
Nicaragua	412	429	421	689	832	828	1 146	1 226	..
Panama	457	571	622	1 129	1 695	1 992	2 427	2 457	..
Paraguay	208	407	617	1 051	1 110	1 513	1 843	2 077	..
Peru	4 191	4 926	4 674	6 342	5 956	7 211	8 507	8 707	..
Suriname	..	..	..	377	302	364	365	326	..
Trinidad and Tobago	477	706	581	689	1 058	1 292	1 344	1 466	..
Uruguay	1 330	1 388	1 039	1 449	1 289	1 579	1 759	1 838	..
Venezuela	6 904	11 494	12 952	16 378	19 670	24 949	20 003	17 842	..
Other Non-OECD Americas	1 978	1 615	2 394	2 460	2 218	2 614	2 776	2 828	..
Non-OECD Americas	84 836	111 793	117 944	164 814	169 633	197 083	209 797	207 330	..
Bahrain	85	245	378	744	1 517	1 615	1 811	1 798	..
Islamic Republic of Iran	13 212	23 442	39 752	55 235	65 161	62 098	62 905	61 588	..
Iraq	2 136	6 067	11 929	14 417	15 521	15 119	12 489	13 039	..
Jordan	431	1 056	1 980	2 890	3 668	3 216	3 738	4 134	..
Kuwait	908	2 617	1 458	3 299	5 220	7 989	8 166	8 149	..
Lebanon	1 400	1 085	876	2 089	2 164	2 143	2 945	3 007	..
Oman	78	475	1 198	2 022	2 978	3 900	6 292	5 925	..
Qatar	112	400	879	1 335	2 709	5 334	7 013	6 843	..
Saudi Arabia	2 791	19 605	26 991	41 114	52 838	72 021	93 900	89 372	..
Syrian Arab Republic	1 327	3 479	6 024	6 475	9 714	8 821	4 638	4 636	..
United Arab Emirates	244	3 006	6 052	6 926	9 180	11 869	14 190	15 586	..
Yemen	448	879	1 571	2 926	4 398	4 527	2 150	1 820	..
Middle East	23 172	62 356	99 088	139 472	175 068	198 652	220 237	215 897	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Final consumption of natural gas

<i>Unit: TJ-gross</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	30 319 552	37 900 838	43 941 677	51 996 007	55 463 240	62 515 669	65 436 713	67 000 999	..
Non-OECD Total	7 123 776	11 901 172	16 489 117	17 319 523	22 137 238	28 440 875	31 710 843	32 763 887	..
OECD Total	23 195 776	25 999 666	27 452 560	34 676 484	33 326 002	34 074 794	33 724 262	34 234 868	..
Canada	1 103 917	1 685 597	2 014 933	2 485 397	2 171 560	1 962 172	2 211 720	2 125 549	..
Chile	1 838	4 615	41 909	153 126	163 104	109 519	70 075	78 609	..
Mexico	337 999	597 304	647 172	584 760	537 857	602 071	648 311	663 284	..
United States ¹	17 076 328	15 700 836	14 099 082	16 746 652	14 378 870	14 962 384	15 503 092	15 634 945	..
OECD Americas	18 520 082	17 988 352	16 803 096	19 969 935	17 251 391	17 636 146	18 433 198	18 502 387	..
Australia	98 286	233 895	402 643	529 828	573 599	584 968	628 755	611 546	..
Israel ²	2 097	6 077	1 316	225	-	2 925	61 874	57 844	..
Japan	144 910	271 685	686 891	1 045 338	1 303 612	1 587 741	1 524 827	1 496 269	..
Korea	-	-	31 324	508 318	743 674	957 679	953 826	1 001 653	..
New Zealand	5 375	16 205	83 655	140 130	62 017	82 691	125 197	135 428	..
OECD Asia Oceania	250 668	527 862	1 205 829	2 223 839	2 682 902	3 216 004	3 294 479	3 302 740	..
Austria	67 349	131 686	141 050	198 658	229 185	237 940	220 620	229 372	..
Belgium	214 142	329 375	317 260	471 953	482 759	511 057	461 522	478 907	..
Czech Republic	37 816	54 832	197 426	275 184	287 698	287 448	238 187	250 475	..
Denmark	-	-	52 189	76 841	78 834	80 665	66 870	68 915	..
Estonia	..	..	20 425	12 869	17 700	9 633	10 347	11 743	..
Finland	-	20 061	44 703	42 720	39 633	38 370	29 562	29 149	..
France	478 086	896 577	1 113 041	1 495 483	1 607 523	1 535 062	1 342 099	1 404 558	..
Germany	864 540	1 558 049	1 817 221	2 564 691	2 562 605	2 623 025	2 403 892	2 560 407	..
Greece	-	-	4 496	17 603	33 229	52 821	61 250	55 539	..
Hungary	130 459	214 498	288 422	311 317	374 590	300 491	267 044	283 523	..
Iceland	-	-	-	-	-	-	-	-	..
Ireland	-	16 069	46 431	73 651	63 458	74 089	79 928	82 549	..
Italy	574 911	917 892	1 414 339	1 795 133	1 934 440	1 817 317	1 561 041	1 576 544	..
Latvia	..	..	32 460	15 294	23 628	23 153	14 725	14 945	..
Luxembourg	8 244	16 630	19 533	28 125	29 338	31 412	28 012	29 445	..
Netherlands	897 617	1 128 402	1 103 204	1 074 241	1 036 197	1 148 471	874 055	900 256	..
Norway	-	-	-	27 589	34 446	36 439	45 426	39 926	..
Poland	205 687	323 973	357 710	379 510	462 146	490 576	493 534	527 249	..
Portugal	-	-	-	36 773	60 814	72 775	76 427	75 324	..
Slovak Republic	65 312	75 881	182 104	193 863	200 636	172 213	133 337	135 003	..
Slovenia	..	..	33 240	31 916	36 795	32 532	26 190	28 091	..
Spain	20 820	33 474	201 194	571 897	843 546	689 303	631 546	646 185	..
Sweden	-	-	15 558	20 623	23 692	30 914	30 999	25 697	..
Switzerland	5 066	32 940	64 673	99 046	114 039	125 001	124 398	129 638	..
Turkey	-	-	33 053	228 457	467 492	611 154	997 198	1 011 722	..
United Kingdom	854 977	1 733 113	1 943 903	2 439 273	2 347 286	2 190 783	1 778 376	1 834 579	..
OECD Europe	4 425 026	7 483 452	9 443 635	12 482 710	13 391 709	13 222 644	11 996 585	12 429 741	..
International marine bunkers	-	-	-	-	-	-	1 608	2 244	..
<i>IEA</i>	<i>23 191 841</i>	<i>25 988 974</i>	<i>27 343 635</i>	<i>34 475 923</i>	<i>33 102 475</i>	<i>33 906 665</i>	<i>33 551 398</i>	<i>34 055 379</i>	..
<i>IEA/Accession/Association</i>	<i>23 331 698</i>	<i>26 477 362</i>	<i>28 464 703</i>	<i>36 476 646</i>	<i>36 420 382</i>	<i>39 683 134</i>	<i>41 631 631</i>	<i>42 496 432</i>	..
<i>European Union - 28</i>	..	..	<i>10 546 845</i>	<i>12 655 253</i>	<i>13 364 292</i>	<i>12 953 495</i>	<i>11 297 852</i>	<i>11 708 159</i>	..
<i>G7</i>	<i>21 097 669</i>	<i>22 763 749</i>	<i>23 089 410</i>	<i>28 571 967</i>	<i>26 305 896</i>	<i>26 678 484</i>	<i>26 325 047</i>	<i>26 632 851</i>	..
<i>G8</i>	..	..	<i>29 747 536</i>	<i>34 022 872</i>	<i>32 262 955</i>	<i>33 341 447</i>	<i>32 894 165</i>	<i>33 647 486</i>	..
<i>G20</i>	..	..	<i>36 937 273</i>	<i>43 313 862</i>	<i>44 181 881</i>	<i>48 558 377</i>	<i>50 077 266</i>	<i>51 364 837</i>	..
<i>OPEC</i>	<i>481 621</i>	<i>782 908</i>	<i>1 938 302</i>	<i>3 678 013</i>	<i>5 124 978</i>	<i>7 558 786</i>	<i>8 742 145</i>	<i>8 769 255</i>	..

2017 data for consumption will be released in the 2019 edition.

1. For the United States, gas used by autoproducers of electricity and heat has been included in final consumption prior to 1989.

2. Please refer to section 'Geographical coverage'.

Final consumption of natural gas

Unit: TJ-gross	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	7 123 776	11 901 172	16 489 117	17 319 523	22 137 238	28 440 875	31 710 843	32 763 887	..
Albania	7 413	14 997	9 453	42	-	33	519	468	..
Armenia	..	..	127 813	20 407	43 476	47 531	51 446	56 277	..
Azerbaijan	..	..	431 956	142 932	150 161	142 446	161 704	182 031	..
Belarus	..	..	199 039	148 022	182 545	216 128	202 564	206 138	..
Bosnia and Herzegovina	..	..	16 256	7 227	11 446	6 505	6 132	6 321	..
Bulgaria	7 810	147 966	120 846	79 523	78 045	58 170	73 775	74 471	..
Croatia	..	..	57 545	67 328	75 182	78 740	64 514	65 574	..
Cyprus ¹	-	-	-	-	-	-	-	-	..
FYR of Macedonia	..	..	-	325	2 308	1 931	1 465	1 770	..
Georgia	..	..	120 670	21 555	26 491	28 309	63 477	62 382	..
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	361 542	124 437	105 082	154 302	148 247	154 133	..
Kosovo	..	..	..	-	-	-	-	-	..
Kyrgyzstan	..	..	28 203	7 588	13 973	5 608	5 488	5 915	..
Lithuania	..	..	98 937	42 134	51 112	51 165	67 954	64 756	..
Malta	-	-	-	-	-	-	-	-	..
Moldova	..	..	45 515	22 080	34 530	33 255	25 476	28 320	..
Montenegro	..	..	..	..	-	-	-	-	..
Romania	646 572	1 268 228	923 608	338 650	384 221	315 370	262 046	254 903	..
Russian Federation	..	..	6 658 126	5 450 905	5 957 059	6 662 963	6 569 118	7 014 635	..
Serbia	..	..	109 864	53 937	57 587	53 374	40 446	47 595	..
Tajikistan	..	..	34 150	17 846	13 298	6 759	156	122	..
Turkmenistan	..	..	313 500	231 755	300 337	385 163	486 014	486 014	..
Ukraine	..	..	1 545 929	1 326 485	1 607 403	1 321 374	745 550	729 119	..
Uzbekistan	..	..	915 738	1 225 185	1 132 363	986 936	789 306	800 147	..
Former Soviet Union	5 407 165	8 453 643	x	x	x	x	x	x	x
Former Yugoslavia	45 773	98 731	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	6 114 733	9 983 565	12 118 690	9 328 363	10 226 619	10 556 062	9 765 397	10 241 091	..
Algeria	12 510	37 485	156 192	246 945	358 318	423 947	685 338	719 752	..
Angola	2 536	3 001	20 520	21 660	24 700	28 120	29 260	27 393	..
Benin	-	-	-	-	-	-	-	-	..
Botswana	..	..	-	-	-	-	-	-	..
Cameroon	-	-	-	-	-	-	-	-	..
Congo	-	-	-	-	-	-	-	-	..
Côte d'Ivoire	-	-	-	22 921	6 662	8 589	11 633	14 241	..
Dem. Rep. of the Congo	-	-	-	-	-	-	-	-	..
Egypt	-	34 836	112 408	183 939	422 572	509 594	466 772	514 037	..
Eritrea	..	..	..	-	-	-	-	-	..
Ethiopia	-	-	-	-	-	-	-	-	..
Gabon	-	28	58	56	66	89	114	116	..
Ghana	-	-	-	-	-	-	-	-	..
Kenya	-	-	-	-	-	-	-	-	..
Libya	12 000	47 000	60 000	100 000	96 516	103 012	6 224	5 949	..
Mauritius	-	-	-	-	-	-	-	-	..
Morocco	2 721	2 582	2 014	1 768	1 577	2 089	3 097	2 836	..
Mozambique	-	-	-	8	729	2 941	6 398	6 099	..
Namibia	..	..	..	-	-	-	-	-	..
Niger	..	..	..	-	-	-	-	-	..
Nigeria	1 352	1 808	33 326	45 084	130 897	56 351	175 076	158 424	..
Senegal	-	-	-	-	-	-	-	-	..
South Africa	-	-	-	-	-	38 214	81 072	78 740	..
South Sudan	..	..	..	..	..	..	..	..	..
Sudan	-	-	-	-	-	-	-	-	..
Tanzania	-	-	-	-	2 544	4 644	6 412	6 799	..
Togo	-	-	-	-	-	-	-	-	..
Tunisia	331	3 571	14 611	28 371	39 180	69 350	59 962	65 276	..
Zambia	-	-	-	-	-	-	-	-	..
Zimbabwe	-	-	-	-	-	-	-	-	..
Other Africa	-	-	-	54	44 074	41 824	36 059	54 329	..
Africa	31 450	130 311	399 129	650 806	1 127 835	1 288 764	1 567 417	1 653 991	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Final consumption of natural gas

Unit: TJ-gross	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	15 394	30 480	86 266	166 200	217 291	344 987	409 387	446 952	..
Brunei Darussalam	-	-	-	-	-	22 546	2 537	21 236	..
Cambodia	..	..	..	-	-	-	-	-	..
DPR of Korea	-	-	-	-	-	-	-	-	..
India	13 618	31 729	262 295	449 802	617 242	1 266 006	1 364 659	1 494 947	..
Indonesia	5 630	109 958	280 266	537 736	634 098	737 926	792 961	627 860	..
Malaysia	419	1 629	50 848	179 712	324 763	290 936	445 011	572 384	..
Mongolia	..	..	-	-	-	-	-	-	..
Myanmar	1 175	3 926	10 447	15 084	19 744	27 735	32 904	25 716	..
Nepal	-	-	-	-	-	-	-	-	..
Pakistan	83 917	140 408	279 628	473 589	723 128	889 901	844 471	804 071	..
Philippines	-	-	-	-	568	3 265	2 334	3 037	..
Singapore	1 084	2 163	2 906	4 889	23 505	51 877	56 097	54 640	..
Sri Lanka	-	-	-	-	-	-	-	-	..
Chinese Taipei	43 741	62 989	40 759	72 169	82 822	98 415	131 552	139 702	..
Thailand	-	-	6 440	51 650	86 380	213 422	333 477	334 842	..
Viet Nam	-	-	-	837	25 001	22 917	77 456	74 385	..
Other Non-OECD Asia	6 842	4 198	11 379	4 550	5 070	6 054	5 669	5 752	..
Non-OECD Asia excl. China	171 820	387 480	1 031 234	1 956 218	2 759 612	3 975 987	4 498 515	4 605 524	..
People's Republic of China	104 873	295 949	412 670	575 797	1 344 650	2 801 786	4 868 565	5 262 930	..
Hong Kong, China	1 277	3 524	15 056	26 057	27 261	27 578	28 403	28 814	..
China	106 150	299 473	427 726	601 854	1 371 911	2 829 364	4 896 968	5 291 744	..
Argentina	171 102	251 541	445 371	725 504	870 435	936 781	1 027 075	1 029 838	..
Bolivia	154	1 736	7 678	16 408	24 693	45 965	69 339	71 074	..
Brazil	10 093	41 392	112 568	225 955	447 351	593 844	591 302	584 389	..
Colombia	9 832	25 252	42 517	75 515	131 594	166 593	175 861	172 092	..
Costa Rica	-	-	-	-	-	-	-	-	..
Cuba	1 608	2 316	2 654	9 136	9 134	17 665	17 167	15 233	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	-	-	-	-	-	1 244	5 013	4 877	..
Ecuador	-	-	-	-	-	-	588	1 869	..
El Salvador	-	-	-	-	-	-	-	-	..
Guatemala	-	-	-	-	-	-	-	-	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	-	-	-	-	-	-	-	-	..
Jamaica	-	-	-	-	-	-	-	-	..
Nicaragua	-	-	-	-	-	-	-	-	..
Panama	-	-	-	-	-	-	-	-	..
Paraguay	-	-	-	-	-	-	-	-	..
Peru	2 050	3 343	3 097	35	7 052	52 813	89 447	88 479	..
Suriname	..	..	..	-	-	-	-	-	..
Trinidad and Tobago	24 192	40 110	131 055	281 962	450 726	556 725	513 152	486 628	..
Uruguay	-	-	-	1 402	3 406	2 125	2 032	2 220	..
Venezuela	146 918	282 395	313 088	412 506	560 178	631 409	369 797	287 710	..
Other Non-OECD Americas	-	518	573	835	688	384	479	487	..
Non-OECD Americas	365 949	648 603	1 058 601	1 749 258	2 505 257	3 005 548	2 861 252	2 744 896	..
Bahrain	27 369	40 549	48 693	55 232	56 399	75 943	98 603	102 438	..
Islamic Republic of Iran	89 474	74 949	435 169	1 359 360	2 169 141	3 516 585	4 433 182	4 736 818	..
Iraq	22 990	24 339	37 620	59 850	3 293	9 280	56 684	64 519	..
Jordan	-	-	-	-	-	-	-	-	..
Kuwait	128 810	147 233	75 105	141 033	206 589	152 723	261 522	300 865	..
Lebanon	-	-	-	-	-	-	-	-	..
Oman	-	-	15 018	18 835	52 723	313 134	519 867	532 548	..
Qatar	26 777	60 609	111 809	171 122	210 390	228 636	362 224	348 174	..
Saudi Arabia	-	11 149	288 978	538 103	742 829	1 271 615	988 530	989 557	..
Syrian Arab Republic	-	-	34 908	107 195	82 579	80 215	27 076	23 613	..
United Arab Emirates	38 254	92 912	406 437	582 294	622 061	1 137 019	1 373 606	1 128 109	..
Yemen	-	-	-	-	-	-	-	-	..
Middle East	333 674	451 740	1 453 737	3 033 024	4 146 004	6 785 150	8 121 294	8 226 641	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Consumption of electricity

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	5 645 705	7 624 479	10 901 841	14 166 916	16 754 022	19 801 109	22 447 061	23 106 862	..
Non-OECD Total	1 505 245	2 364 630	3 762 308	4 976 770	6 829 548	9 524 303	12 203 267	12 769 175	..
OECD Total	4 140 460	5 259 849	7 139 533	9 190 146	9 924 474	10 276 806	10 243 794	10 337 687	10 344 633
Canada	230 359	313 898	447 693	522 795	545 500	530 262	543 428	538 303	546 698
Chile	7 780	10 309	16 429	38 345	50 096	56 425	71 680	76 433	76 039
Mexico	32 802	60 108	99 476	178 066	211 678	230 334	269 409	280 615	279 796
United States	1 816 737	2 240 976	2 923 917	3 857 457	4 049 930	4 143 407	4 128 507	4 147 503	4 077 159
OECD Americas	2 087 678	2 625 291	3 487 515	4 596 663	4 857 204	4 960 428	5 013 024	5 042 854	4 979 692
Australia	56 602	86 907	145 518	195 244	213 298	236 332	238 511	243 001	246 592
Israel ¹	8 187	11 720	19 461	39 766	45 546	53 009	56 557	58 888	59 775
Japan	442 151	550 941	828 757	1 023 328	1 063 411	1 080 292	1 006 357	1 012 323	1 039 559
Korea	13 542	34 831	101 738	277 675	375 662	481 474	534 718	544 128	547 051
New Zealand	16 364	19 747	29 876	36 202	39 742	41 521	41 195	39 995	40 030
OECD Asia Oceania	536 846	704 146	1 125 350	1 572 215	1 737 659	1 892 628	1 877 338	1 898 335	1 933 007
Austria	27 466	35 365	46 923	56 692	66 062	70 109	71 890	72 171	74 549
Belgium	38 398	48 250	63 595	84 549	89 173	91 457	87 032	87 853	88 380
Czech Republic	37 010	47 246	57 871	58 493	64 917	66 489	67 310	68 255	69 915
Denmark	17 216	23 562	30 562	34 614	36 088	35 103	33 080	33 699	33 109
Estonia	..	..	9 032	6 343	7 494	8 663	8 776	9 416	9 693
Finland	28 215	39 650	62 259	79 224	84 556	88 410	82 490	84 999	85 147
France	168 284	243 923	347 610	440 064	483 503	503 163	470 863	477 905	477 186
Germany	367 449	453 878	527 414	545 508	588 685	594 054	573 001	572 835	576 758
Greece	13 822	21 671	32 848	49 559	58 202	59 315	56 587	59 277	61 108
Hungary	20 400	28 896	35 547	33 791	38 042	38 765	40 333	41 004	42 113
Iceland	2 101	2 893	4 115	7 368	8 305	16 360	18 223	18 061	18 750
Ireland	6 614	9 789	13 239	22 055	25 965	26 725	26 976	27 570	28 079
Italy	134 564	175 219	235 096	301 785	332 229	325 653	309 655	308 042	314 126
Latvia	..	..	9 046	4 930	6 218	6 775	6 903	6 982	6 991
Luxembourg	4 134	3 927	5 219	6 836	7 277	8 532	8 208	8 336	8 244
Netherlands	48 547	61 752	77 504	103 629	112 809	116 412	113 554	114 651	114 657
Norway	61 555	76 506	99 055	112 246	115 967	121 625	122 432	124 049	124 918
Poland	75 545	109 441	124 710	124 577	131 187	144 452	154 076	159 139	163 131
Portugal	8 588	15 221	25 211	41 046	49 187	52 433	49 791	50 314	51 770
Slovak Republic	14 046	21 705	29 369	26 706	26 503	28 043	27 928	28 383	28 347
Slovenia	..	..	10 660	11 492	13 839	13 338	14 188	14 448	14 866
Spain	65 558	99 135	137 464	209 647	266 774	265 794	254 269	255 726	257 226
Sweden	71 156	88 951	135 538	139 129	139 335	140 056	133 212	136 650	133 626
Switzerland	31 601	37 868	49 999	56 365	61 768	63 964	62 108	62 630	63 992
Turkey	11 142	21 792	50 131	104 520	136 750	180 212	229 196	243 675	261 092
United Kingdom	262 525	263 772	306 651	360 100	378 776	357 848	331 351	330 428	324 161
OECD Europe	1 515 936	1 930 412	2 526 668	3 021 268	3 329 611	3 423 750	3 353 432	3 396 498	3 431 934
<i>IEA</i>	<i>4 122 392</i>	<i>5 234 927</i>	<i>7 079 822</i>	<i>9 088 245</i>	<i>9 800 470</i>	<i>10 130 899</i>	<i>10 076 243</i>	<i>10 162 875</i>	<i>10 168 212</i>
<i>IEA/Accession/Association</i>	<i>4 416 455</i>	<i>5 775 198</i>	<i>8 224 853</i>	<i>11 346 244</i>	<i>13 381 401</i>	<i>15 759 099</i>	<i>17 819 966</i>	<i>18 380 107</i>	..
<i>European Union - 28</i>	..	..	<i>2 464 624</i>	<i>2 841 704</i>	<i>3 121 378</i>	<i>3 161 608</i>	<i>3 042 982</i>	<i>3 071 340</i>	..
<i>G7</i>	<i>3 422 069</i>	<i>4 242 607</i>	<i>5 617 138</i>	<i>7 051 037</i>	<i>7 442 034</i>	<i>7 534 679</i>	<i>7 363 162</i>	<i>7 387 339</i>	<i>7 355 647</i>
<i>G8</i>	..	..	<i>6 606 717</i>	<i>7 813 107</i>	<i>8 270 152</i>	<i>8 450 329</i>	<i>8 312 495</i>	<i>8 356 565</i>	..
<i>G20</i>	..	..	<i>9 403 388</i>	<i>12 283 058</i>	<i>14 408 245</i>	<i>16 917 780</i>	<i>19 080 989</i>	<i>19 636 472</i>	..
<i>OPEC</i>	<i>44 375</i>	<i>117 239</i>	<i>264 921</i>	<i>443 381</i>	<i>592 540</i>	<i>812 863</i>	<i>1 039 014</i>	<i>1 061 549</i>	..

Domestic supply less losses.

1. Please refer to section 'Geographical coverage'.

Consumption of electricity

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	1 505 245	2 364 630	3 762 308	4 976 770	6 829 548	9 524 303	12 203 267	12 769 175	..
Albania	1 363	3 054	1 815	4 478	5 186	5 661	6 044	6 320	6 020
Armenia	..	..	9 633	3 983	4 536	4 967	5 737	5 655	5 936
Azerbaijan	..	..	18 439	16 423	20 043	14 518	21 662	21 621	20 795
Belarus	..	..	44 637	29 902	31 363	33 821	33 788	33 711	32 755
Bosnia and Herzegovina	..	..	13 112	7 616	8 998	11 693	12 100	12 652	13 109
Bulgaria	23 131	35 213	41 488	30 014	31 901	33 727	34 868	35 328	36 519
Croatia	..	..	14 171	12 640	15 440	16 848	16 390	16 545	17 051
Cyprus ¹	774	970	1 863	3 182	4 213	5 102	4 318	4 624	4 727
FYR of Macedonia	..	..	5 325	5 892	6 949	7 401	7 123	6 653	6 576
Georgia	..	..	14 594	6 419	7 479	7 761	10 161	10 710	11 558
Gibraltar	47	52	74	121	141	172	217	246	..
Kazakhstan	..	..	96 535	47 174	60 771	77 170	101 291	100 024	..
Kosovo	..	..	..	2 647	3 700	4 705	5 251	4 300	4 588
Kyrgyzstan	..	..	10 234	8 308	7 095	7 473	10 907	10 739	..
Lithuania	..	..	14 878	8 808	10 589	10 750	11 348	11 634	..
Malta	365	527	1 000	1 682	1 984	1 945	2 178	2 165	2 280
Moldova	..	..	11 958	5 962	7 362	6 137	4 961	4 737	4 487
Montenegro	..	..	..	..	3 879	3 357	2 940	2 904	2 554
Romania	39 732	63 883	67 856	44 609	50 430	51 647	52 407	52 961	53 628
Russian Federation	..	..	989 579	762 070	828 118	915 650	949 333	969 226	983 879
Serbia	..	..	35 113	31 559	29 182	31 782	32 211	32 612	33 257
Tajikistan	..	..	17 746	13 437	14 594	14 251	13 155	13 161	..
Turkmenistan	..	..	8 410	7 642	9 755	12 118	16 438	16 438	..
Ukraine	..	..	248 432	136 632	152 905	163 078	144 890	144 194	135 325
Uzbekistan	..	..	48 880	43 889	44 934	47 227	51 283	51 837	..
Former Soviet Union	832 300	1 168 000	x	x	x	x	x	x	x
Former Yugoslavia	31 260	53 607	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	928 972	1 325 306	1 715 772	1 235 089	1 361 547	1 488 961	1 551 001	1 570 997	..
Algeria	2 494	6 349	13 693	21 211	29 524	36 576	57 571	60 065	..
Angola	738	506	630	1 234	2 124	4 822	8 665	9 194	..
Benin	58	103	174	399	589	884	1 119	1 163	..
Botswana	..	..	990	1 899	2 635	3 184	3 907	3 797	..
Cameroon	1 079	1 346	2 345	2 719	3 306	5 319	6 340	6 670	..
Congo	91	148	410	299	425	599	958	969	..
Côte d'Ivoire	669	1 469	1 913	2 863	3 151	4 415	6 118	6 768	..
Dem. Rep. of the Congo	3 630	3 978	4 530	4 549	4 901	6 757	7 291	7 519	..
Egypt	7 282	16 544	38 049	67 246	95 308	130 435	163 543	170 597	..
Eritrea	..	..	..	172	242	272	346	359	..
Ethiopia	551	635	1 082	1 507	2 560	3 994	8 499	9 141	..
Gabon	162	526	873	1 081	1 274	1 556	1 989	2 163	..
Ghana	3 668	4 601	4 780	6 288	5 296	6 934	8 718	10 162	..
Kenya	1 067	1 707	2 930	3 337	4 694	6 214	7 769	7 981	..
Libya	900	3 606	6 996	11 904	19 877	20 835	30 384	29 482	..
Mauritius	156	289	710	1 618	2 068	2 495	2 820	2 870	..
Morocco	2 594	4 735	8 910	14 110	19 323	25 097	30 673	31 641	33 305
Mozambique	559	432	548	2 225	9 243	10 667	14 989	11 911	..
Namibia	..	..	..	1 888	2 949	3 361	3 789	3 909	..
Niger	..	..	..	371	500	728	1 104	1 096	..
Nigeria	2 100	5 665	10 770	11 782	18 831	22 203	26 712	26 262	..
Senegal	374	575	780	1 005	1 777	2 572	3 520	3 787	..
South Africa	59 870	100 499	155 988	205 950	222 019	232 658	228 210	225 354	..
South Sudan	..	..	..	..	..	..	551	418	..
Sudan	491	702	1 282	2 170	3 042	6 051	11 193	12 567	..
Tanzania	503	684	1 303	1 980	3 061	4 285	5 345	5 981	..
Togo	128	171	343	469	614	797	1 214	1 260	..
Tunisia	1 036	2 567	5 206	9 480	10 951	14 517	16 413	16 635	..
Zambia	5 174	6 070	6 123	6 224	8 213	8 035	11 774	11 183	..
Zimbabwe	4 962	6 995	9 028	10 668	10 771	7 703	7 953	7 373	..
Other Africa	3 594	4 860	6 484	9 687	11 951	15 538	16 806	17 219	..
Africa	103 930	175 762	286 870	406 335	501 219	589 503	696 283	705 496	..

Domestic supply less losses.

1. Please refer to section 'Geographical coverage'.

Consumption of electricity

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	1 042	1 522	5 136	13 354	24 481	36 465	52 492	57 469	..
Brunei Darussalam	235	328	1 119	2 514	3 090	3 424	3 931	4 027	..
Cambodia	..	..	..	398	886	2 071	5 113	6 241	..
DPR of Korea	15 021	19 201	25 111	16 334	19 291	18 239	11 565	14 250	..
India	59 853	99 047	237 587	415 917	537 111	791 434	1 130 771	1 216 108	..
Indonesia	1 965	6 808	29 484	82 580	113 292	153 803	211 940	225 908	..
Malaysia	4 347	9 090	20 867	63 716	73 828	116 937	139 779	145 194	..
Mongolia	..	..	3 253	2 526	3 163	4 049	6 106	6 260	..
Myanmar	666	1 162	1 823	3 516	3 664	6 290	13 397	15 482	..
Nepal	74	186	665	1 408	1 984	2 770	3 926	4 983	..
Pakistan	6 389	10 619	29 865	51 586	71 269	79 338	94 552	96 591	..
Philippines	12 562	17 703	22 347	38 945	49 750	59 942	74 932	82 511	..
Singapore	3 507	6 562	15 184	30 513	37 019	44 066	49 531	50 693	..
Sri Lanka	881	1 425	2 624	5 536	7 820	9 314	12 257	13 287	..
Chinese Taipei	18 913	39 821	84 852	176 151	218 326	237 333	249 878	255 451	..
Thailand	6 485	13 766	40 131	91 160	125 259	155 073	177 844	197 536	187 814
Viet Nam	1 833	2 930	6 476	22 904	47 781	89 941	142 089	149 815	..
Other Non-OECD Asia	4 419	6 381	6 206	9 127	11 968	17 928	27 512	26 031	..
Non-OECD Asia excl. China	138 192	236 551	532 730	1 028 185	1 349 982	1 828 417	2 407 615	2 567 837	..
People's Republic of China	155 163	276 340	579 648	1 253 735	2 323 636	3 937 655	5 548 285	5 898 892	..
Hong Kong, China	6 008	10 919	23 833	36 302	40 051	41 958	46 738	46 892	..
China	161 171	287 259	603 481	1 290 037	2 363 687	3 979 613	5 595 023	5 945 784	..
Argentina	24 111	34 693	42 534	77 016	93 671	117 375	136 538	136 310	..
Bolivia	832	1 414	1 827	3 501	4 400	5 994	8 308	8 243	..
Brazil	56 716	122 704	217 658	331 639	375 195	464 647	522 999	520 021	524 727
Colombia	9 963	17 143	28 852	33 511	38 776	49 499	70 576	70 237	..
Costa Rica	1 347	2 226	3 344	5 971	7 376	8 642	9 545	9 901	..
Cuba	5 023	8 274	12 847	12 662	13 010	14 629	17 153	17 341	..
Curaçao ¹	658	722	678	976	1 048	1 111	689	743	..
Dominican Republic	1 955	2 561	2 791	11 644	11 934	13 150	16 229	17 023	..
Ecuador	1 080	2 873	4 918	8 051	10 985	17 082	22 952	23 495	..
El Salvador	807	1 256	1 857	3 621	4 572	5 300	6 210	6 082	..
Guatemala	885	1 834	1 857	3 850	6 295	7 929	9 836	10 429	..
Haiti	99	233	414	303	343	244	430	467	..
Honduras	426	775	1 823	3 215	4 323	5 111	7 813	7 502	..
Jamaica	1 969	1 430	2 100	6 043	6 568	3 418	2 985	3 070	..
Nicaragua	585	844	1 278	1 748	2 243	2 950	3 753	3 726	..
Panama	1 042	1 530	2 059	3 838	4 846	6 357	8 774	8 991	..
Paraguay	278	769	2 130	4 706	5 006	7 319	11 027	11 535	..
Peru	6 021	8 729	11 925	17 627	23 118	32 144	42 875	46 404	..
Suriname	..	..	..	1 067	1 381	1 577	2 016	1 805	..
Trinidad and Tobago	1 105	2 035	3 278	5 060	6 669	8 220	10 079	10 506	..
Uruguay	1 990	2 927	3 870	6 743	6 650	9 459	10 299	10 875	..
Venezuela	14 469	30 658	48 643	64 536	76 297	90 885	81 366	75 234	..
Other Non-OECD Americas	15 207	17 592	21 890	29 396	34 460	33 340	30 242	30 796	..
Non-OECD Americas	146 568	263 222	418 573	636 724	739 166	906 382	1 032 694	1 030 736	..
Bahrain	500	1 660	7 747	13 302	18 962	22 383	27 802	27 807	..
Islamic Republic of Iran	11 855	20 800	53 034	101 501	145 075	196 205	236 399	253 114	..
Iraq	3 343	10 814	22 800	29 160	22 521	36 792	44 308	43 037	..
Jordan	338	870	3 330	6 606	9 100	13 400	17 378	17 948	..
Kuwait	3 359	8 301	17 230	28 767	38 767	50 136	58 559	61 925	..
Lebanon	1 612	2 537	1 400	9 687	11 207	15 088	16 803	16 803	..
Oman	41	720	3 963	7 262	9 854	16 792	29 588	30 968	..
Qatar	420	2 173	4 568	8 501	13 377	26 377	39 024	39 775	..
Saudi Arabia	2 784	19 103	65 223	117 060	157 545	218 679	313 067	316 873	..
Syrian Arab Republic	1 283	3 184	8 573	17 476	27 503	38 957	15 093	15 203	..
United Arab Emirates	671	5 865	15 543	38 593	56 343	90 715	118 018	120 930	..
Yemen	206	503	1 471	2 485	3 693	5 903	4 612	3 942	..
Middle East	26 412	76 530	204 882	380 400	513 947	731 427	920 651	948 325	..

Domestic supply less losses.

1. Please refer to section 'Geographical coverage'.

Consumption of coking coal in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	2 090	55 722	22 822	38 037	70 319	79 914	28 631	..
Non-OECD Total	..	1 845	53 435	19 826	34 903	65 343	75 559	26 828	..
OECD Total	..	245	2 287	2 996	3 134	4 976	4 355	1 803	-
Canada	..	-	300	300	300	300	300	300	..
Chile	..	-	-	-	-	-	-	-	..
Mexico	..	-	-	-	1 973	3 759	2 512	494	..
United States ¹	..	-	-	-	-	-	-	-	..
OECD Americas	..	-	300	300	2 273	4 059	2 812	794	-
Australia	..	-	-	-	-	-	-	-	..
Israel ²	..	-	-	-	-	-	-	-	..
Japan	..	11	1	2	2	2	3	3	..
Korea	..	-	-	-	-	147	1 260	693	..
New Zealand	..	-	-	-	-	78	4	7	..
OECD Asia Oceania	..	11	1	2	2	227	1 267	703	-
Austria	..	-	-	-	-	-	-	-	..
Belgium	..	4	-	-	-	-	-	-	..
Czech Republic	..	-	1 404	41	-	-	-	-	..
Denmark	..	7	-	-	-	-	-	-	..
Estonia	..	-	-	-	-	-	-	-	..
Finland	..	-	-	-	-	-	-	-	..
France	..	-	-	-	-	-	-	-	..
Germany	..	-	-	-	-	-	-	-	..
Greece	..	-	-	-	-	-	-	-	..
Hungary	..	7	2	-	-	-	-	-	..
Iceland	..	-	-	-	-	-	-	-	..
Ireland	..	-	14	-	-	-	-	-	..
Italy	..	-	-	-	-	-	-	-	..
Latvia	..	-	-	-	-	-	-	-	..
Luxembourg	..	-	-	-	-	-	-	-	..
Netherlands	..	-	127	101	87	3	94	118	..
Norway	..	-	-	-	-	-	-	-	..
Poland	16	-	10	2	3	..
Portugal	..	56	-	-	-	-	-	-	..
Slovak Republic	..	7	41	39	11	-	2	-	..
Slovenia	1	-	-	-	-	-	..
Spain	..	-	-	-	-	-	-	-	..
Sweden	..	-	-	-	-	-	-	-	..
Switzerland	..	-	-	-	-	-	-	-	..
Turkey	..	153	248	2 472	642	553	-	-	..
United Kingdom	..	-	149	25	119	124	178	185	..
OECD Europe	..	234	1 986	2 694	859	690	276	306	-
<i>IEA</i>	..	245	2 286	2 996	3 134	4 976	4 355	1 803	..
<i>IEA/Accession/Association</i>	..	2 040	25 507	19 602	34 118	63 575	69 979	20 368	..
<i>European Union - 28</i>	1 738	223	521	193	290	316	..
<i>G7</i>	..	11	450	327	421	426	481	488	..
<i>G8</i>	450	327	421	426	481	488	..
<i>G20</i>	25 508	19 603	34 422	63 553	69 989	20 371	..
<i>OPEC</i>	..	-	-	-	-	946	2 171	2 172	..

Includes non-energy use for industry/transformation/energy.

2017 data for consumption will be released in the 2019 edition.

1. For the United States, coal used by autoproducers of electricity and heat has been included in final consumption prior to 1989.

2. Please refer to section 'Geographical coverage'.

Consumption of coking coal in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	1 845	53 435	19 826	34 903	65 343	75 559	26 828	..
Albania	..	-	-	-	-	-	-	-	..
Armenia	-	-	-	-	-	-	..
Azerbaijan	-	-	-	-	-	-	..
Belarus	-	-	-	-	-	-	..
Bosnia and Herzegovina	-	-	-	39	28	51	..
Bulgaria	..	-	-	-	-	-	-	-	..
Croatia	-	-	-	-	-	-	..
Cyprus ¹	..	-	-	-	-	-	-	-	..
FYR of Macedonia	116	67	-	-	-	-	..
Georgia	686	-	-	-	-	-	..
Gibraltar	..	-	-	-	-	-	-	-	..
Kazakhstan	29 381	3 134	3 604	5 042	6 830	5 130	..
Kosovo	-	-	-	-	-	..
Kyrgyzstan	-	-	-	-	-	-	..
Lithuania	-	-	-	-	-	-	..
Malta	..	-	-	-	-	-	-	-	..
Moldova	-	-	-	-	-	-	..
Montenegro	-	-	-	-	..
Romania	..	-	-	1	304	56	14	10	..
Russian Federation	-	-	-	-	-	-	..
Serbia	-	-	-	-	-	-	..
Tajikistan	-	-	-	-	-	-	..
Turkmenistan	-	-	-	-	-	-	..
Ukraine	-	-	-	-	-	-	..
Uzbekistan	-	-	-	-	-	-	..
Former Soviet Union	..	-	x	x	x	x	x	x	x
Former Yugoslavia	..	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	-	30 183	3 202	3 908	5 137	6 872	5 191	..
Algeria	..	-	-	-	-	-	-	-	..
Angola	..	-	-	-	-	-	-	-	..
Benin	..	-	-	-	-	-	-	-	..
Botswana	-	-	-	-	-	-	..
Cameroon	..	-	-	-	-	-	-	-	..
Congo	..	-	-	-	-	-	-	-	..
Côte d'Ivoire	..	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	..
Egypt	..	-	-	-	-	-	-	-	..
Eritrea	-	-	-	-	-	..
Ethiopia	..	-	-	-	-	-	-	-	..
Gabon	..	-	-	-	-	-	-	-	..
Ghana	..	-	-	-	-	-	-	-	..
Kenya	..	-	-	-	-	-	-	-	..
Libya	..	-	-	-	-	-	-	-	..
Mauritius	..	-	-	-	-	-	-	-	..
Morocco	..	-	-	-	-	-	-	-	..
Mozambique	..	-	-	-	-	-	-	-	..
Namibia	-	-	-	-	-	..
Niger	-	-	-	-	-	..
Nigeria	..	-	-	-	-	-	-	-	..
Senegal	..	-	-	-	-	-	-	-	..
South Africa	..	-	-	-	-	-	-	-	..
South Sudan	-	-	..
Sudan	..	-	-	-	-	-	-	-	..
Tanzania	..	-	-	-	-	-	-	-	..
Togo	..	-	-	-	-	-	-	-	..
Tunisia	..	-	-	-	-	-	-	-	..
Zambia	..	-	-	-	-	-	-	-	..
Zimbabwe	..	50	31	18	11	-	-	-	..
Other Africa	..	-	-	-	-	-	-	-	..
Africa	..	50	31	18	11	-	-	-	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of coking coal in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	-	-	..
Brunei Darussalam	..	-	-	-	-	-	-	-	..
Cambodia	-	-	-	-	-	..
DPR of Korea	..	-	-	-	-	-	-	-	..
India	..	1 795	17 526	6 945	4 107	15 121	12 099	8 213	..
Indonesia	..	-	-	140	98	55	3 008	3 899	..
Malaysia	..	-	-	-	-	-	-	-	..
Mongolia	-	-	-	-	-	-	..
Myanmar	..	-	-	-	-	-	-	-	..
Nepal	..	-	-	-	-	-	-	-	..
Pakistan	..	-	-	-	-	-	-	-	..
Philippines	..	-	-	-	-	-	-	-	..
Singapore	..	-	-	-	-	-	-	-	..
Sri Lanka	..	-	-	-	-	-	-	-	..
Chinese Taipei	..	-	-	-	-	-	-	-	..
Thailand	..	-	-	-	-	-	-	-	..
Viet Nam	..	-	-	-	-	-	-	-	..
Other Non-OECD Asia	..	-	-	-	-	-	-	-	..
Non-OECD Asia excl. China	..	1 795	17 526	7 085	4 205	15 176	15 107	12 112	..
People's Republic of China	..	-	5 695	9 521	26 779	43 423	50 517	6 453	..
Hong Kong, China	..	-	-	-	-	-	-	-	..
China	..	-	5 695	9 521	26 779	43 423	50 517	6 453	..
Argentina	..	-	-	-	-	-	-	-	..
Bolivia	..	-	-	-	-	-	-	-	..
Brazil	..	-	-	-	-	-	-	-	..
Colombia	..	-	-	-	-	661	892	900	..
Costa Rica	..	-	-	-	-	-	-	-	..
Cuba	..	-	-	-	-	-	-	-	..
Curaçao ¹	..	-	-	-	-	-	-	-	..
Dominican Republic	..	-	-	-	-	-	-	-	..
Ecuador	..	-	-	-	-	-	-	-	..
El Salvador	..	-	-	-	-	-	-	-	..
Guatemala	..	-	-	-	-	-	-	-	..
Haiti	..	-	-	-	-	-	-	-	..
Honduras	..	-	-	-	-	-	-	-	..
Jamaica	..	-	-	-	-	-	-	-	..
Nicaragua	..	-	-	-	-	-	-	-	..
Panama	..	-	-	-	-	-	-	-	..
Paraguay	..	-	-	-	-	-	-	-	..
Peru	..	-	-	-	-	-	-	-	..
Suriname
Trinidad and Tobago	..	-	-	-	-	-	-	-	..
Uruguay	..	-	-	-	-	-	-	-	..
Venezuela	..	-	-	-	-	-	-	-	..
Other Non-OECD Americas	..	-	-	-	-	-	-	-	..
Non-OECD Americas	..	-	-	-	-	661	892	900	..
Bahrain	..	-	-	-	-	-	-	-	..
Islamic Republic of Iran	..	-	-	-	-	-	-	-	..
Iraq	..	-	-	-	-	-	-	-	..
Jordan	..	-	-	-	-	-	-	-	..
Kuwait	..	-	-	-	-	-	-	-	..
Lebanon	..	-	-	-	-	-	-	-	..
Oman	..	-	-	-	-	-	-	-	..
Qatar	..	-	-	-	-	-	-	-	..
Saudi Arabia	..	-	-	-	-	-	-	-	..
Syrian Arab Republic	..	-	-	-	-	-	-	-	..
United Arab Emirates	..	-	-	-	-	946	2 171	2 172	..
Yemen	..	-	-	-	-	-	-	-	..
Middle East	..	-	-	-	-	946	2 171	2 172	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of other bituminous coal and anthracite in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	519 458	539 637	495 950	901 103	1 156 366	1 167 924	1 124 246	..
Non-OECD Total	..	423 653	427 664	399 993	813 045	1 080 968	1 100 557	1 058 717	..
OECD Total	..	95 805	111 973	95 957	88 058	75 398	67 367	65 529	-
Canada	..	1 542	1 137	1 555	1 436	1 420	1 117	842	..
Chile	..	419	662	724	642	496	394	337	..
Mexico	..	-	-	-	48	48	89	61	..
United States ¹	..	41 777	45 519	31 302	30 300	26 077	18 860	16 040	..
OECD Americas	..	43 738	47 318	33 581	32 426	28 041	20 460	17 280	-
Australia	..	1 902	2 520	2 218	1 965	1 615	1 436	1 442	..
Israel ²	..	-	18	31	-	-	91	88	..
Japan	..	6 538	17 242	16 855	18 049	16 920	17 122	16 651	..
Korea	..	1 753	4 589	11 017	7 025	7 234	7 036	8 322	..
New Zealand	..	140	163	224	224	176	125	121	..
OECD Asia Oceania	..	10 333	24 532	30 345	27 263	25 945	25 810	26 624	-
Austria	..	68	210	314	212	171	159	148	..
Belgium	..	1 037	1 015	901	365	495	588	654	..
Czech Republic	..	9 414	3 048	1 460	1 311	395	294	314	..
Denmark	..	541	470	375	301	152	154	160	..
Estonia	86	39	12	47	22	20	..
Finland	..	787	1 043	348	265	170	126	206	..
France	..	3 349	4 678	2 460	2 432	2 160	2 007	1 985	..
Germany	..	6 563	6 540	2 442	2 055	2 410	3 023	3 143	..
Greece	..	139	1 378	1 115	560	456	281	314	..
Hungary	..	-	-	-	192	40	18	43	..
Iceland	..	12	65	101	117	106	116	124	..
Ireland	..	137	325	169	316	170	159	166	..
Italy	..	605	1 683	882	1 069	647	283	390	..
Latvia	36	8	35	71	42	31	..
Luxembourg	..	325	196	172	122	102	73	81	..
Netherlands	..	70	440	65	28	37	33	37	..
Norway	..	514	742	963	694	652	649	667	..
Poland	..	9 859	6 754	9 709	5 769	5 563	4 672	4 610	..
Portugal	..	12	802	484	18	75	11	6	..
Slovak Republic	..	836	646	676	704	524	428	366	..
Slovenia	31	11	49	16	7	6	..
Spain	..	897	2 253	646	727	380	315	310	..
Sweden	..	385	761	496	568	532	523	495	..
Switzerland	..	279	456	168	164	152	69	43	..
Turkey	..	433	1 214	6 150	8 502	3 931	5 002	5 690	..
United Kingdom	..	5 472	5 251	1 877	1 782	1 958	2 043	1 616	..
OECD Europe	..	41 734	40 123	32 031	28 369	21 412	21 097	21 625	-
IEA	..	95 374	111 161	95 082	87 215	74 709	66 717	64 943	..
IEA/Accession/Association	..	353 830	470 420	432 959	823 813	1 067 869	1 079 941	1 029 565	..
European Union - 28	38 258	25 093	19 636	17 254	15 864	15 625	..
G7	..	65 846	82 050	57 373	57 123	51 592	44 455	40 667	..
G8	85 010	60 143	59 230	53 589	46 832	42 953	..
G20	489 087	449 517	835 914	1 073 415	1 084 841	1 038 095	..
OPEC	..	276	462	310	871	414	881	1 139	..

Includes non-energy use for industry/transformation/energy.
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1. For the United States, coal used by autoproducers of electricity and heat has been included in final consumption prior to 1989.

2. Please refer to section 'Geographical coverage'.

Consumption of other bituminous coal and anthracite in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	423 653	427 664	399 993	813 045	1 080 968	1 100 557	1 058 717	..
Albania	..	135	240	-	-	167	196	81	..
Armenia	-	-	-	-	-	-	..
Azerbaijan	-	-	-	-	-	-	..
Belarus	87	13	14	28	667	605	..
Bosnia and Herzegovina	-	-	-	-	-	-	..
Bulgaria	..	2 103	159	328	462	320	265	226	..
Croatia	148	53	169	168	78	46	..
Cyprus ¹	97	49	52	26	6	-	..
FYR of Macedonia	12	-	3	4	12	29	..
Georgia	100	-	9	8	120	94	..
Gibraltar	-	-	-	-	-	-	..
Kazakhstan	1 527	709	6 566	14 807	5 881	8 325	..
Kosovo	9	12	34	12	2	..
Kyrgyzstan	3 003	186	57	52	382	219	..
Lithuania	72	6	-	114	144	126	..
Malta	-	-	-	-	-	-	..
Moldova	461	2	8	52	72	41	..
Montenegro	-	-	-	-	..
Romania	..	1 952	136	8	61	55	110	126	..
Russian Federation	2 960	2 770	2 107	1 997	2 377	2 286	..
Serbia	137	218	60	144	150	114	..
Tajikistan	-	-	-	-	-	-	..
Turkmenistan	-	-	-	-	-	-	..
Ukraine	4 102	3 169	4 017	2 618	3 256	2 664	..
Uzbekistan	-	16	73	65	367	360	..
Former Soviet Union	..	113 210	x	x	x	x	x	x	x
Former Yugoslavia	..	200	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	117 600	13 241	7 536	13 670	20 659	14 095	15 344	..
Algeria	..	-	-	-	-	-	-	-	..
Angola	..	-	-	-	-	-	-	-	..
Benin	..	-	-	-	-	-	41	120	..
Botswana	180	263	265	54	75	67	..
Cameroon	..	-	-	-	-	-	-	-	..
Congo	..	-	-	-	-	-	-	-	..
Côte d'Ivoire	..	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	..	167	169	-	-	-	-	-	..
Egypt	..	-	-	-	-	-	-	-	..
Eritrea
Ethiopia	..	-	-	-	-	50	411	442	..
Gabon	..	-	-	-	-	-	-	-	..
Ghana	..	-	-	-	-	-	-	-	..
Kenya	..	16	151	107	145	268	566	557	..
Libya	..	-	-	-	-	-	-	-	..
Mauritius	..	-	20	24	23	25	36	33	..
Morocco	..	29	574	801	37	32	27	27	..
Mozambique	..	257	34	-	-	5	-	-	..
Namibia	-	-	-	-	-	..
Niger	-	-	-	-	-	..
Nigeria	..	151	55	3	8	38	47	46	..
Senegal	..	-	-	-	152	287	490	514	..
South Africa	..	18 987	17 865	19 364	17 656	15 709	13 562	14 252	..
South Sudan
Sudan	..	-	-	-	-	-	-	-	..
Tanzania	..	1	3	48	12	-	257	276	..
Togo	..	-	-	-	-	-	-	-	..
Tunisia	..	21	15	-	-	-	-	-	..
Zambia	..	527	311	109	119	1	164	169	..
Zimbabwe	..	572	1 190	657	285	335	238	240	..
Other Africa	..	265	39	141	90	72	88	90	..
Africa	..	20 993	20 606	21 517	18 792	16 876	16 002	16 833	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of other bituminous coal and anthracite in industry

Unit: 1000 tonnes	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	235	563	660	845	1 119	3 978	2 839	..
Brunei Darussalam	..	-	-	-	-	-	-	-	..
Cambodia	-	-	-	-	-	..
DPR of Korea	..	19 240	22 019	14 439	15 927	9 468	4 132	4 761	..
India	..	20 634	27 331	31 192	54 358	114 045	145 963	150 083	..
Indonesia	..	105	1 312	167	403	647	399	390	..
Malaysia	..	84	814	1 572	2 132	2 897	2 821	2 831	..
Mongolia	595	70	102	152	48	137	..
Myanmar	..	205	60	468	229	362	584	247	..
Nepal	..	82	70	428	408	503	925	1 145	..
Pakistan	..	1 041	2 272	1 960	4 990	6 091	8 070	8 533	..
Philippines	..	-	-	-	-	-	-	-	..
Singapore	..	-	-	-	-	-	254	261	..
Sri Lanka	..	-	8	-	93	95	87	78	..
Chinese Taipei	..	1 861	4 348	5 631	7 125	8 957	10 379	11 028	..
Thailand	..	94	250	3 212	7 597	12 944	12 222	9 210	..
Viet Nam	..	1 660	1 821	4 177	6 814	14 674	17 355	20 981	..
Other Non-OECD Asia	..	657	303	462	480	1 604	1 801	1 827	..
Non-OECD Asia excl. China	..	45 898	61 766	64 438	101 503	173 558	209 018	214 351	..
People's Republic of China	..	237 063	329 015	298 359	669 142	860 336	848 517	799 321	..
Hong Kong, China	..	3	-	-	868	1 522	2 042	2 061	..
China	..	237 066	329 015	298 359	670 010	861 858	850 559	801 382	..
Argentina	..	26	10	53	-	-	7	36	..
Bolivia	..	-	-	-	-	-	-	-	..
Brazil	..	112	115	3 422	4 419	4 660	5 448	4 993	..
Colombia	..	1 683	2 173	3 303	2 459	1 507	2 648	2 905	..
Costa Rica	..	1	-	1	2	1	1	1	..
Cuba	..	95	153	22	22	23	7	2	..
Curaçao ¹	..	-	-	-	-	-	-	-	..
Dominican Republic	..	-	-	52	58	86	125	132	..
Ecuador	..	-	-	-	-	-	-	-	..
El Salvador	..	-	-	-	-	-	-	-	..
Guatemala	..	22	-	-	-	-	-	-	..
Haiti	..	-	12	-	-	-	-	-	..
Honduras	..	-	-	135	241	107	77	79	..
Jamaica	..	-	52	53	59	54	97	73	..
Nicaragua	..	-	-	-	-	-	-	-	..
Panama	..	-	32	60	-	-	-	-	..
Paraguay	..	-	-	-	-	-	-	-	..
Peru	..	26	81	534	746	804	995	795	..
Suriname	-	-	-	-	-	..
Trinidad and Tobago	..	-	-	-	-	-	-	-	..
Uruguay	..	4	1	1	1	4	4	5	..
Venezuela	..	42	332	181	51	273	187	169	..
Other Non-OECD Americas	..	-	-	-	-	-	-	-	..
Non-OECD Americas	..	2 011	2 961	7 817	8 058	7 519	9 596	9 190	..
Bahrain	..	-	-	-	-	-	-	-	..
Islamic Republic of Iran	..	83	75	126	576	81	242	315	..
Iraq	..	-	-	-	-	-	-	-	..
Jordan	..	-	-	-	-	-	253	315	..
Kuwait	..	-	-	-	-	-	-	-	..
Lebanon	..	1	-	200	200	225	253	257	..
Oman	..	-	-	-	-	-	-	-	..
Qatar	..	-	-	-	-	-	-	-	..
Saudi Arabia	..	-	-	-	-	-	-	-	..
Syrian Arab Republic	..	1	-	-	-	-	-	-	..
United Arab Emirates	..	-	-	-	236	22	405	609	..
Yemen	..	-	-	-	-	170	134	121	..
Middle East	..	85	75	326	1 012	498	1 287	1 617	..

Includes non-energy use for industry/transformation/energy.
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 1. Please refer to section 'Geographical coverage'.

Consumption of sub-bituminous coal in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	15 579	23 637	23 272	32 464	33 765	37 047	35 982	..
Non-OECD Total	..	8 814	12 984	15 033	22 937	23 251	25 368	25 322	..
OECD Total	..	6 765	10 653	8 239	9 527	10 514	11 679	10 660	-
Canada	..	2	342	516	599	442	338	289	..
Chile	..	-	-	-	-	-	-	-	..
Mexico	..	-	-	-	587	735	2 289	1 197	..
United States ¹	..	3 027	6 663	4 573	5 384	6 346	5 741	5 855	..
OECD Americas	..	3 029	7 005	5 089	6 570	7 523	8 368	7 341	-
Australia	..	1 395	2 326	2 476	2 235	2 238	2 226	2 473	..
Israel ²	..	-	-	-	-	-	-	-	..
Japan	..	-	-	-	-	-	-	-	..
Korea	..	-	-	-	-	-	-	-	..
New Zealand	..	809	722	366	430	474	625	593	..
OECD Asia Oceania	..	2 204	3 048	2 842	2 665	2 712	2 851	3 066	-
Austria	..	-	-	38	64	69	82	70	..
Belgium	..	1 110	352	83	16	-	-	-	..
Czech Republic	..	-	-	-	-	-	-	-	..
Denmark	..	-	-	-	-	-	-	-	..
Estonia	-	-	-	-	-	-	..
Finland	..	-	-	-	-	-	-	-	..
France	..	-	-	-	-	-	-	-	..
Germany	..	-	-	-	-	-	-	-	..
Greece	..	-	-	-	-	-	-	-	..
Hungary	..	354	104	112	-	24	43	25	..
Iceland	..	-	-	-	-	-	-	-	..
Ireland	..	-	-	-	-	-	-	-	..
Italy	..	-	-	-	-	-	-	-	..
Latvia	-	-	-	-	-	-	..
Luxembourg	..	-	-	-	-	-	-	-	..
Netherlands	..	-	-	-	-	-	-	-	..
Norway	..	-	-	-	-	-	-	-	..
Poland	..	-	-	-	-	-	-	-	..
Portugal	..	16	16	-	-	-	-	-	..
Slovak Republic	..	-	-	-	-	-	-	-	..
Slovenia	-	64	74	39	35	38	..
Spain	..	52	75	-	-	-	-	-	..
Sweden	..	-	-	-	-	-	-	-	..
Switzerland	..	-	-	-	-	-	-	-	..
Turkey	..	-	53	11	138	147	300	120	..
United Kingdom	..	-	-	-	-	-	-	-	..
OECD Europe	..	1 532	600	308	292	279	460	253	-
<i>IEA</i>	..	6 765	10 653	8 175	9 453	10 475	11 644	10 622	..
<i>IEA/Accession/Association</i>	..	7 664	15 047	17 263	25 265	25 984	29 600	26 212	..
<i>European Union - 28</i>	547	297	505	355	596	591	..
<i>G7</i>	..	3 029	7 005	5 089	5 983	6 788	6 079	6 144	..
<i>G8</i>	7 005	5 089	5 983	6 788	6 079	6 144	..
<i>G20</i>	14 325	16 961	25 260	25 772	29 446	26 115	..
<i>OPEC</i>	..	-	-	-	-	-	-	-	..

Includes non-energy use for industry/transformation/energy.

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1. For the United States, coal used by autoproducers of electricity and heat has been included in final consumption prior to 1989.

2. Please refer to section 'Geographical coverage'.

Consumption of sub-bituminous coal in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	8 814	12 984	15 033	22 937	23 251	25 368	25 322	..
Albania	..	-	-	-	-	-	-	-	..
Armenia	-	-	-	-	-	-	..
Azerbaijan	-	-	-	-	-	-	..
Belarus	-	-	-	-	-	-	..
Bosnia and Herzegovina	-	470	206	92	-	-	..
Bulgaria	..	-	-	-	-	-	-	-	..
Croatia	-	-	-	28	-	-	..
Cyprus ¹	..	-	-	-	-	-	-	-	..
FYR of Macedonia	-	-	94	151	144	175	..
Georgia	-	-	-	-	-	-	..
Gibraltar	..	-	-	-	-	-	-	-	..
Kazakhstan	-	-	-	-	-	-	..
Kosovo	-	-	-	-	-	..
Kyrgyzstan	-	-	-	-	-	-	..
Lithuania	-	-	135	9	-	-	..
Malta	..	-	-	-	-	-	-	-	..
Moldova	-	-	-	-	-	-	..
Montenegro	-	-	-	-	-	..
Romania	..	-	-	-	216	186	436	458	..
Russian Federation	-	-	-	-	-	-	..
Serbia	-	50	55	-	-	-	..
Tajikistan	-	-	-	-	-	-	..
Turkmenistan	-	-	-	-	-	-	..
Ukraine	-	-	-	-	-	-	..
Uzbekistan	-	-	-	-	-	-	..
Former Soviet Union	..	-	x	x	x	x	x	x	x
Former Yugoslavia	..	-	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	-	-	520	706	466	580	633	..
Algeria	..	-	-	-	-	-	-	-	..
Angola	..	-	-	-	-	-	-	-	..
Benin	..	-	-	-	-	-	-	-	..
Botswana	-	-	-	-	-	-	..
Cameroon	..	-	-	-	-	-	-	-	..
Congo	..	-	-	-	-	-	-	-	..
Côte d'Ivoire	..	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	..
Egypt	..	-	-	-	-	-	-	-	..
Eritrea	-	-	-	-	-	..
Ethiopia	..	-	-	-	-	-	-	-	..
Gabon	..	-	-	-	-	-	-	-	..
Ghana	..	-	-	-	-	-	-	-	..
Kenya	..	-	-	-	-	-	-	-	..
Libya	..	-	-	-	-	-	-	-	..
Mauritius	..	-	-	-	-	-	-	-	..
Morocco	..	-	-	-	-	-	-	-	..
Mozambique	..	-	-	-	-	-	-	-	..
Namibia	-	-	-	-	-	..
Niger	-	-	-	-	-	..
Nigeria	..	-	-	-	-	-	-	-	..
Senegal	..	-	-	-	-	-	-	-	..
South Africa	..	-	-	-	-	-	-	-	..
South Sudan	-	-	..
Sudan	..	-	-	-	-	-	-	-	..
Tanzania	..	-	-	-	-	-	-	-	..
Togo	..	-	-	-	-	-	-	-	..
Tunisia	..	-	-	-	-	-	-	-	..
Zambia	..	-	-	-	-	-	-	-	..
Zimbabwe	..	-	-	-	-	-	-	-	..
Other Africa	..	-	-	-	-	-	-	-	..
Africa	..	-	-	-	-	-	-	-	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of sub-bituminous coal in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	-	-	..
Brunei Darussalam	..	-	-	-	-	-	-	-	..
Cambodia	-	-	10	27	35	..
DPR of Korea	..	7 720	7 594	4 098	4 417	3 798	1 442	1 571	..
India	..	-	-	-	-	-	-	-	..
Indonesia	..	-	2 743	8 445	15 250	14 303	16 322	14 730	..
Malaysia	..	-	-	-	-	-	-	-	..
Mongolia	-	-	-	-	-	-	..
Myanmar	..	-	-	-	-	-	-	-	..
Nepal	..	-	-	-	-	-	-	-	..
Pakistan	..	-	-	-	-	-	-	-	..
Philippines	..	195	996	1 327	2 002	3 468	4 203	5 072	..
Singapore	..	-	-	-	-	-	-	-	..
Sri Lanka	..	-	-	-	-	-	-	-	..
Chinese Taipei	..	-	-	-	-	-	-	-	..
Thailand	..	-	-	-	-	-	-	-	..
Viet Nam	..	-	-	-	-	-	1 160	2 421	..
Other Non-OECD Asia	..	-	-	-	-	-	-	-	..
Non-OECD Asia excl. China	..	7 915	11 333	13 870	21 669	21 579	23 154	23 829	..
People's Republic of China
Hong Kong, China	..	-	-	-	-	-	-	-	..
China	..	-	-	-	-	-	-	-	..
Argentina	..	-	-	-	-	-	-	-	..
Bolivia	..	-	-	-	-	-	-	-	..
Brazil	..	899	1 651	643	562	1 206	1 634	860	..
Colombia	..	-	-	-	-	-	-	-	..
Costa Rica	..	-	-	-	-	-	-	-	..
Cuba	..	-	-	-	-	-	-	-	..
Curaçao ¹	..	-	-	-	-	-	-	-	..
Dominican Republic	..	-	-	-	-	-	-	-	..
Ecuador	..	-	-	-	-	-	-	-	..
El Salvador	..	-	-	-	-	-	-	-	..
Guatemala	..	-	-	-	-	-	-	-	..
Haiti	..	-	-	-	-	-	-	-	..
Honduras	..	-	-	-	-	-	-	-	..
Jamaica	..	-	-	-	-	-	-	-	..
Nicaragua	..	-	-	-	-	-	-	-	..
Panama	..	-	-	-	-	-	-	-	..
Paraguay	..	-	-	-	-	-	-	-	..
Peru	..	-	-	-	-	-	-	-	..
Suriname
Trinidad and Tobago	..	-	-	-	-	-	-	-	..
Uruguay	..	-	-	-	-	-	-	-	..
Venezuela	..	-	-	-	-	-	-	-	..
Other Non-OECD Americas	..	-	-	-	-	-	-	-	..
Non-OECD Americas	..	899	1 651	643	562	1 206	1 634	860	..
Bahrain	..	-	-	-	-	-	-	-	..
Islamic Republic of Iran	..	-	-	-	-	-	-	-	..
Iraq	..	-	-	-	-	-	-	-	..
Jordan	..	-	-	-	-	-	-	-	..
Kuwait	..	-	-	-	-	-	-	-	..
Lebanon	..	-	-	-	-	-	-	-	..
Oman	..	-	-	-	-	-	-	-	..
Qatar	..	-	-	-	-	-	-	-	..
Saudi Arabia	..	-	-	-	-	-	-	-	..
Syrian Arab Republic	..	-	-	-	-	-	-	-	..
United Arab Emirates	..	-	-	-	-	-	-	-	..
Yemen	..	-	-	-	-	-	-	-	..
Middle East	..	-	-	-	-	-	-	-	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of lignite in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	..	62 690	60 964	28 816	28 804	24 965	18 408	18 694	..
Non-OECD Total	..	11 826	18 191	13 357	18 565	13 620	9 908	10 443	..
OECD Total	..	50 864	42 773	15 459	10 239	11 345	8 500	8 251	-
Canada	..	247	260	302	533	440	354	280	..
Chile	..	-	-	-	-	-	-	-	..
Mexico	..	-	-	-	779	720	576	453	..
United States	..	2 796	1 241	1 423	289	296	438	450	..
OECD Americas	..	3 043	1 501	1 725	1 601	1 456	1 368	1 183	-
Australia	..	311	73	-	2	2	5	5	..
Israel ¹	..	-	-	-	-	-	-	-	..
Japan	..	22	-	-	-	-	-	-	..
Korea	..	-	-	-	-	-	-	-	..
New Zealand	..	85	135	167	207	195	273	248	..
OECD Asia Oceania	..	418	208	167	209	197	278	253	-
Austria	..	157	148	67	62	30	9	9	..
Belgium	..	95	276	-	-	-	-	-	..
Czech Republic	..	14 948	7 124	4 942	3 323	1 127	776	803	..
Denmark	..	-	-	-	-	-	-	-	..
Estonia	..	-	-	-	-	-	-	-	..
Finland	..	-	-	-	-	-	-	-	..
France	..	163	230	53	36	52	122	105	..
Germany	..	21 769	20 359	469	428	598	550	620	..
Greece	..	1 289	1 094	381	224	22	193	10	..
Hungary	..	1 908	541	32	3	7	9	11	..
Iceland	..	-	-	-	-	-	-	-	..
Ireland	..	-	-	-	-	-	-	-	..
Italy	..	48	33	26	8	6	3	2	..
Latvia	..	-	3	-	-	-	-	-	..
Luxembourg	..	28	-	-	-	-	-	-	..
Netherlands	..	153	56	30	28	27	41	36	..
Norway	..	-	-	-	-	-	-	-	..
Poland	..	83	45	48	11	30	64	72	..
Portugal	..	-	-	-	-	-	-	-	..
Slovak Republic	..	3 277	2 410	596	198	11	56	43	..
Slovenia	..	-	275	7	-	17	22	8	..
Spain	..	-	-	-	-	-	-	-	..
Sweden	..	-	-	-	-	-	-	-	..
Switzerland	..	-	-	-	-	62	130	130	..
Turkey	..	3 485	8 470	6 916	4 108	7 703	4 879	4 966	..
United Kingdom	..	-	-	-	-	-	-	-	..
OECD Europe	..	47 403	41 064	13 567	8 429	9 692	6 854	6 815	-
<i>IEA</i>	..	50 864	42 495	15 452	10 239	11 328	8 478	8 243	..
<i>IEA/Accession/Association</i>	..	51 715	48 439	22 116	20 026	19 225	13 436	13 132	..
<i>European Union - 28</i>	33 327	7 262	5 101	2 737	2 304	1 909	..
<i>G7</i>	..	25 045	22 123	2 273	1 294	1 392	1 467	1 457	..
<i>G8</i>	22 522	3 068	1 772	1 702	1 595	1 593	..
<i>G20</i>	47 132	19 950	16 617	18 068	12 736	12 552	..
<i>OPEC</i>	..	-	-	-	-	2	-	-	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of lignite in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	..	11 826	18 191	13 357	18 565	13 620	9 908	10 443	..
Albania	..	710	-	38	42	-	-	-	..
Armenia	-	-	-	-	-	-	..
Azerbaijan	-	-	-	-	-	-	..
Belarus	-	-	-	-	-	-	..
Bosnia and Herzegovina	3 600	461	212	60	268	165	..
Bulgaria	..	3 267	234	27	71	9	15	15	..
Croatia	315	39	45	31	29	34	..
Cyprus ¹	-	-	-	-	-	-	..
FYR of Macedonia	142	2	231	49	55	31	..
Georgia	-	-	-	17	300	256	..
Gibraltar	-	-	-	-	-	-	..
Kazakhstan	3 443	2 430	4 074	2 561	2 125	2 462	..
Kosovo	92	104	145	66	132	..
Kyrgyzstan	2 140	346	91	134	109	61	..
Lithuania	-	-	-	-	-	-	..
Malta	-	-	-	-	-	-	..
Moldova	-	-	-	-	-	-	..
Montenegro	53	11	30	28	..
Romania	184	545	664	770	415	141	..
Russian Federation	399	795	478	310	128	136	..
Serbia	389	638	108	226	323	415	..
Tajikistan	-	-	-	-	-	-	..
Turkmenistan	-	-	-	-	-	-	..
Ukraine ²	136	-	6	-	-	-	..
Uzbekistan	-	168	151	177	193	193	..
Former Soviet Union	x	x	x	x	x	x	x
Former Yugoslavia	..	2 300	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	..	6 277	10 982	5 581	6 330	4 500	4 056	4 069	..
Algeria	..	-	-	-	-	-	-	-	..
Angola	..	-	-	-	-	-	-	-	..
Benin	..	-	-	-	-	-	-	-	..
Botswana	..	-	-	-	-	-	-	-	..
Cameroon	..	-	-	-	-	-	-	-	..
Congo	..	-	-	-	-	-	-	-	..
Côte d'Ivoire	..	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	..	-	-	-	-	-	-	-	..
Egypt	..	-	-	-	-	-	-	-	..
Eritrea	-	-	-	-	-	..
Ethiopia	..	-	-	-	-	-	-	-	..
Gabon	..	-	-	-	-	-	-	-	..
Ghana	..	-	-	-	-	-	-	-	..
Kenya	..	-	-	-	-	-	-	-	..
Libya	..	-	-	-	-	-	-	-	..
Mauritius	..	-	-	-	-	-	-	-	..
Morocco	..	-	-	-	-	-	-	-	..
Mozambique	..	-	-	-	-	-	-	-	..
Namibia	-	-	-	-	-	..
Niger	-	-	-	-	-	..
Nigeria	..	-	-	-	-	-	-	-	..
Senegal	..	-	-	-	-	-	-	-	..
South Africa	..	-	-	-	-	-	-	-	..
South Sudan	-	-	..
Sudan	..	-	-	-	-	-	-	-	..
Tanzania	..	-	-	-	-	-	-	-	..
Togo	..	-	-	-	-	-	-	-	..
Tunisia	..	-	-	-	-	-	-	-	..
Zambia	..	-	-	-	-	-	-	-	..
Zimbabwe	..	-	-	-	-	-	-	-	..
Other Africa	..	-	-	-	-	-	-	-	..
Africa	..	-	-	-	-	-	-	-	..

Includes non-energy use for industry/transformation/energy.

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

2. Peat includes lignite starting from 2007. See confidentiality issue in section 'Country notes and sources'.

Consumption of lignite in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	..	-	-	-	-	-	32	-	..
Brunei Darussalam	..	-	-	-	-	-	-	-	..
Cambodia	-	-	-	-	-	..
DPR of Korea	..	-	-	-	-	-	-	-	..
India	..	626	2 950	3 162	5 290	5 770	4 034	4 323	..
Indonesia	..	-	-	-	-	-	-	-	..
Malaysia	..	-	-	-	-	-	-	-	..
Mongolia	400	110	5	28	15	27	..
Myanmar	..	27	38	26	16	-	-	620	..
Nepal	..	-	-	-	-	-	-	-	..
Pakistan	..	471	824	928	2 010	1 101	752	504	..
Philippines	..	-	3	3	-	-	12	250	..
Singapore	..	-	-	-	-	-	-	-	..
Sri Lanka	..	-	-	-	-	-	-	-	..
Chinese Taipei	..	-	-	-	-	-	-	-	..
Thailand	..	127	2 582	3 412	4 460	2 037	906	536	..
Viet Nam	..	-	-	-	322	-	-	-	..
Other Non-OECD Asia	..	4 200	-	45	95	92	83	84	..
Non-OECD Asia excl. China	..	5 451	6 797	7 686	12 198	9 028	5 834	6 344	..
People's Republic of China
Hong Kong, China	..	-	-	-	-	-	-	-	..
China	..	-	-	-	-	-	-	-	..
Argentina	..	-	-	-	-	-	-	-	..
Bolivia	..	-	-	-	-	-	-	-	..
Brazil	..	98	412	90	37	90	18	30	..
Colombia	..	-	-	-	-	-	-	-	..
Costa Rica	..	-	-	-	-	-	-	-	..
Cuba	..	-	-	-	-	-	-	-	..
Curaçao ¹	..	-	-	-	-	-	-	-	..
Dominican Republic	..	-	-	-	-	-	-	-	..
Ecuador	..	-	-	-	-	-	-	-	..
El Salvador	..	-	-	-	-	-	-	-	..
Guatemala	..	-	-	-	-	-	-	-	..
Haiti	..	-	-	-	-	-	-	-	..
Honduras	..	-	-	-	-	-	-	-	..
Jamaica	..	-	-	-	-	-	-	-	..
Nicaragua	..	-	-	-	-	-	-	-	..
Panama	..	-	-	-	-	-	-	-	..
Paraguay	..	-	-	-	-	-	-	-	..
Peru	..	-	-	-	-	-	-	-	..
Suriname	-	-	-	-	-	..
Trinidad and Tobago	..	-	-	-	-	-	-	-	..
Uruguay	..	-	-	-	-	-	-	-	..
Venezuela	..	-	-	-	-	-	-	-	..
Other Non-OECD Americas	..	-	-	-	-	-	-	-	..
Non-OECD Americas	..	98	412	90	37	90	18	30	..
Bahrain	..	-	-	-	-	-	-	-	..
Islamic Republic of Iran	..	-	-	-	-	-	-	-	..
Iraq	..	-	-	-	-	-	-	-	..
Jordan	..	-	-	-	-	-	-	-	..
Kuwait	..	-	-	-	-	-	-	-	..
Lebanon	..	-	-	-	-	-	-	-	..
Oman	..	-	-	-	-	-	-	-	..
Qatar	..	-	-	-	-	-	-	-	..
Saudi Arabia	..	-	-	-	-	-	-	-	..
Syrian Arab Republic	..	-	-	-	-	-	-	-	..
United Arab Emirates	..	-	-	-	-	2	-	-	..
Yemen	..	-	-	-	-	-	-	-	..
Middle East	..	-	-	-	-	2	-	-	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of oil in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	705 585	768 977	677 252	774 449	857 085	876 001	892 775	898 589	..
Non-OECD Total	187 988	274 572	265 816	323 149	380 814	451 021	505 047	508 206	..
OECD Total	517 597	494 405	411 436	451 300	476 271	424 980	387 728	390 383	..
Canada	21 261	20 603	16 909	19 925	21 508	20 329	20 305	22 214	..
Chile	1 231	1 279	1 524	2 110	2 217	3 323	3 990	4 162	..
Mexico	5 385	9 163	13 660	13 524	12 764	12 740	11 406	12 352	..
United States	154 235	184 106	141 641	150 284	176 310	146 904	124 524	124 017	..
OECD Americas	182 112	215 151	173 734	185 843	212 799	183 296	160 225	162 745	..
Australia	7 852	7 874	6 390	7 653	7 314	6 971	7 305	7 547	..
Israel ¹	1 152	1 455	1 698	2 272	1 804	2 392	2 236	2 214	..
Japan	93 518	65 831	67 723	69 674	65 650	55 824	53 415	50 520	..
Korea	6 297	9 875	17 275	34 611	36 645	41 869	48 114	50 710	..
New Zealand	989	832	626	670	731	792	773	841	..
OECD Asia Oceania	109 808	85 867	93 712	114 880	112 144	107 848	111 843	111 832	..
Austria	3 192	1 975	1 852	1 874	2 124	2 013	2 021	2 106	..
Belgium	7 969	4 521	4 223	7 542	7 556	7 775	8 787	8 897	..
Czech Republic	5 192	6 030	4 511	2 599	3 076	2 645	2 133	1 289	..
Denmark	3 437	2 583	1 209	1 061	1 071	819	660	699	..
Estonia	..	..	779	135	183	138	142	125	..
Finland	5 138	3 791	2 757	2 570	2 677	2 516	2 811	2 890	..
France	35 097	30 625	17 458	18 927	18 887	15 557	14 358	13 799	..
Germany	47 083	36 452	26 269	27 069	25 621	23 127	20 787	20 116	..
Greece	2 455	3 155	2 131	2 610	2 522	2 250	1 651	1 822	..
Hungary	2 288	3 299	2 116	1 517	2 104	1 729	2 034	1 944	..
Iceland	129	156	111	145	175	52	59	61	..
Ireland	1 654	1 633	873	1 423	1 570	1 013	713	776	..
Italy	30 092	22 940	17 248	14 173	14 353	12 739	8 836	8 204	..
Latvia	..	..	492	216	168	148	136	115	..
Luxembourg	828	207	301	98	48	42	39	39	..
Netherlands	9 925	13 317	10 612	11 172	14 615	15 063	12 628	13 432	..
Norway	3 130	3 616	2 788	2 458	2 682	2 668	2 635	2 504	..
Poland	2 999	4 729	2 982	3 811	3 766	4 163	3 880	3 835	..
Portugal	1 786	2 609	3 791	4 633	4 051	2 796	2 075	1 755	..
Slovak Republic	1 799	2 979	2 958	1 487	1 117	894	721	686	..
Slovenia	..	..	235	397	381	251	226	229	..
Spain	13 773	16 320	11 513	15 162	14 089	12 236	6 676	7 357	..
Sweden	8 328	6 231	3 934	4 517	3 810	2 983	2 337	2 675	..
Switzerland	3 707	2 771	1 533	1 321	1 258	1 088	797	758	..
Turkey	2 682	4 322	6 167	8 119	7 796	7 467	8 194	9 147	..
United Kingdom	32 994	19 126	15 147	15 541	15 628	11 664	10 324	10 546	..
OECD Europe	225 677	193 387	143 990	150 577	151 328	133 836	115 660	115 806	..
<i>IEA</i>	<i>515 085</i>	<i>491 515</i>	<i>407 376</i>	<i>446 160</i>	<i>471 526</i>	<i>418 814</i>	<i>381 081</i>	<i>383 602</i>	..
<i>IEA/Accession/Association</i>	<i>562 623</i>	<i>559 290</i>	<i>494 163</i>	<i>602 675</i>	<i>665 690</i>	<i>655 280</i>	<i>649 005</i>	<i>655 980</i>	..
<i>European Union - 28</i>	..	..	<i>140 903</i>	<i>143 964</i>	<i>144 774</i>	<i>125 591</i>	<i>107 220</i>	<i>106 531</i>	..
<i>G7</i>	<i>414 280</i>	<i>379 683</i>	<i>302 395</i>	<i>315 593</i>	<i>337 957</i>	<i>286 144</i>	<i>252 549</i>	<i>249 416</i>	..
<i>G8</i>	..	..	<i>345 561</i>	<i>350 009</i>	<i>369 502</i>	<i>327 632</i>	<i>310 848</i>	<i>310 419</i>	..
<i>G20</i>	..	..	<i>550 640</i>	<i>653 090</i>	<i>708 688</i>	<i>713 311</i>	<i>726 183</i>	<i>731 506</i>	..
<i>OPEC</i>	<i>10 084</i>	<i>30 071</i>	<i>37 139</i>	<i>51 153</i>	<i>62 468</i>	<i>80 796</i>	<i>86 053</i>	<i>82 367</i>	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of oil in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	187 988	274 572	265 816	323 149	380 814	451 021	505 047	508 206	..
Albania	64	689	611	204	224	305	170	231	..
Armenia	..	..	777	30	41	43	44	36	..
Azerbaijan	..	..	1 378	876	1 096	555	767	830	..
Belarus	..	..	9 635	2 394	2 362	1 765	1 549	1 380	..
Bosnia and Herzegovina	..	..	783	62	93	183	172	172	..
Bulgaria	366	700	1 792	1 517	1 395	574	513	382	..
Croatia	..	..	946	670	847	530	451	472	..
Cyprus ¹	194	282	208	487	343	267	197	211	..
FYR of Macedonia	..	..	424	206	260	255	253	281	..
Georgia	..	..	969	73	102	105	180	191	..
Gibraltar	12	8	12	19	21	21	23	25	..
Kazakhstan	..	..	7 509	2 014	3 139	2 546	4 105	4 805	..
Kosovo	..	..	..	83	111	129	240	210	..
Kyrgyzstan	..	..	-	7	46	146	317	136	..
Lithuania	..	..	1 469	273	294	212	201	229	..
Malta	-	2	6	-	30	20	16	18	..
Moldova	..	..	2	12	12	34	40	39	..
Montenegro	..	..	..	..	119	85	72	71	..
Romania	2 155	3 906	3 091	2 483	2 448	1 427	1 867	1 883	..
Russian Federation	..	..	43 166	34 416	31 545	41 488	58 299	61 003	..
Serbia	..	..	2 469	312	1 116	893	793	943	..
Tajikistan	..	..	-	-	-	-	21	27	..
Turkmenistan	..	..	-	-	-	-	-	-	..
Ukraine	..	..	15 878	2 466	3 464	2 254	1 443	728	..
Uzbekistan	..	..	1 985	997	727	548	396	366	..
Former Soviet Union	91 700	122 400	x	x	x	x	x	x	x
Former Yugoslavia	3 848	5 369	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	98 339	133 356	93 110	49 601	49 835	54 385	72 129	74 669	..
Algeria	482	942	1 414	1 511	1 561	1 771	1 388	1 375	..
Angola	108	101	286	328	278	456	454	563	..
Benin	3	9	10	53	44	45	99	103	..
Botswana	..	..	32	87	104	152	186	191	..
Cameroon	23	53	90	88	84	118	75	77	..
Congo	50	23	26	17	25	33	60	58	..
Côte d'Ivoire	267	265	190	270	141	196	300	340	..
Dem. Rep. of the Congo	2	1	98	16	46	48	20	26	..
Egypt	2 676	4 852	7 666	6 998	7 669	7 574	6 353	6 787	..
Eritrea	..	..	..	17	27	8	8	8	..
Ethiopia	122	113	211	293	415	573	866	924	..
Gabon	137	273	44	186	188	297	376	380	..
Ghana	159	161	173	283	382	515	731	700	..
Kenya	226	354	394	450	559	756	746	787	..
Libya	138	767	1 000	1 588	1 352	2 286	879	958	..
Mauritius	11	27	37	95	92	93	80	78	..
Morocco	937	1 612	1 444	1 366	2 344	2 773	2 790	2 601	..
Mozambique	40	5	23	35	80	97	136	128	..
Namibia	..	..	..	54	72	91	121	122	..
Niger	..	..	..	17	27	78	67	67	..
Nigeria	665	1 408	1 008	538	488	340	678	725	..
Senegal	138	184	89	179	132	79	141	152	..
South Africa	2 428	3 061	3 679	1 844	2 297	4 595	4 757	4 807	..
South Sudan	..	..	..	..	..	..	8	8	..
Sudan	559	351	332	329	442	1 211	741	774	..
Tanzania	147	123	121	132	119	101	206	157	..
Togo	-	-	8	87	38	77	57	60	..
Tunisia	303	596	787	887	1 269	1 019	1 317	1 278	..
Zambia	298	227	209	162	212	281	438	432	..
Zimbabwe	110	96	120	115	85	62	70	70	..
Other Africa	1 256	1 367	1 179	801	627	921	1 904	1 940	..
Africa	11 285	16 971	20 670	18 826	21 199	26 646	26 052	26 676	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of oil in industry

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	281	420	275	741	191	225	441	357	..
Brunei Darussalam	28	54	56	67	62	157	143	112	..
Cambodia	..	..	..	24	41	59	63	190	..
DPR of Korea	95	380	388	68	83	93	93	93	..
India	8 360	8 692	16 564	36 264	37 560	37 730	56 588	61 011	..
Indonesia	1 753	5 285	8 705	12 198	14 370	15 586	15 094	11 240	..
Malaysia	1 498	2 650	3 617	5 938	6 103	6 098	4 730	5 181	..
Mongolia	..	..	215	88	146	269	350	293	..
Myanmar	278	444	148	209	228	238	1 060	914	..
Nepal	1	7	15	41	38	20	20	26	..
Pakistan	380	438	1 509	2 318	2 316	1 718	2 475	2 620	..
Philippines	2 316	2 347	2 546	2 764	1 804	1 532	2 344	2 499	..
Singapore	450	592	1 948	3 710	7 390	7 746	9 767	10 002	..
Sri Lanka	223	202	154	324	350	319	891	520	..
Chinese Taipei	2 474	6 963	8 648	13 730	19 440	23 900	22 297	21 873	..
Thailand	1 902	2 249	3 158	9 567	15 884	18 406	24 159	25 392	..
Viet Nam	10	499	476	1 644	2 879	4 478	5 362	5 693	..
Other Non-OECD Asia	108	179	185	562	696	331	861	873	..
Non-OECD Asia excl. China	20 157	31 401	48 607	90 257	109 581	118 905	146 738	148 889	..
People's Republic of China	21 651	28 374	36 459	64 365	90 534	122 643	129 076	132 419	..
Hong Kong, China	738	757	1 091	1 637	637	675	706	761	..
China	22 389	29 131	37 550	66 002	91 171	123 318	129 782	133 180	..
Argentina	4 685	4 455	2 784	6 998	7 644	7 507	7 430	7 340	..
Bolivia	166	165	135	156	112	116	224	216	..
Brazil	11 254	19 692	16 985	26 935	23 865	28 259	26 460	25 551	..
Colombia	1 446	1 321	1 515	3 334	2 830	1 666	905	835	..
Costa Rica	131	193	225	342	304	275	305	317	..
Cuba	2 633	3 526	3 623	3 462	2 075	2 836	2 373	2 018	..
Curaçao ¹	1 661	409	212	292	311	332	230	230	..
Dominican Republic	285	388	364	586	566	781	495	685	..
Ecuador	179	775	1 073	1 617	1 972	2 012	1 772	1 356	..
El Salvador	184	211	212	366	402	267	294	336	..
Guatemala	222	244	243	440	585	472	662	667	..
Haiti	51	67	56	91	126	169	190	192	..
Honduras	110	171	239	226	408	365	346	346	..
Jamaica	1 236	1 285	1 184	616	1 009	543	693	723	..
Nicaragua	86	86	120	152	252	186	240	255	..
Panama	133	193	142	274	642	627	798	711	..
Paraguay	38	43	59	88	79	57	57	60	..
Peru	1 330	1 746	1 185	1 868	1 795	1 452	1 434	1 029	..
Suriname	..	..	..	218	22	23	22	19	..
Trinidad and Tobago	60	199	103	101	305	207	197	216	..
Uruguay	468	499	239	273	207	227	321	344	..
Venezuela	1 701	2 401	2 987	4 914	5 150	9 107	5 128	4 656	..
Other Non-OECD Americas	42	74	207	343	265	257	326	333	..
Non-OECD Americas	28 101	38 143	33 892	53 692	50 926	57 743	50 902	48 435	..
Bahrain	-	24	18	196	646	542	591	557	..
Islamic Republic of Iran	4 849	7 539	12 502	12 673	15 310	16 250	15 554	15 913	..
Iraq	512	1 655	3 019	3 212	3 130	2 712	2 239	2 048	..
Jordan	96	274	548	833	1 053	791	433	638	..
Kuwait	134	822	493	1 257	2 466	3 836	3 434	3 331	..
Lebanon	494	-	105	294	454	150	196	199	..
Oman	9	67	527	961	1 346	644	1 240	1 082	..
Qatar	-	-	379	524	1 157	2 442	2 851	2 545	..
Saudi Arabia	1 179	12 578	10 539	20 679	27 475	37 133	47 290	44 336	..
Syrian Arab Republic	444	1 801	1 394	1 600	2 165	2 450	1 308	1 293	..
United Arab Emirates	-	810	2 395	2 126	1 941	2 154	4 010	4 181	..
Yemen	-	-	68	416	959	920	298	234	..
Middle East	7 717	25 570	31 987	44 771	58 102	70 024	79 444	76 357	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of natural gas in industry

<i>Unit: TJ-gross</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	17 434 087	21 364 800	20 995 663	24 640 245	25 624 398	29 794 718	32 219 080	32 868 792	..
Non-OECD Total	5 520 969	8 888 938	8 747 630	9 426 182	12 614 835	16 781 726	18 592 646	18 825 011	..
OECD Total	11 913 118	12 475 862	12 248 033	15 214 063	13 009 563	13 012 992	13 626 434	14 043 781	..
Canada	552 260	862 427	941 462	1 088 805	800 309	727 498	804 915	790 827	..
Chile	80	352	34 656	138 841	141 354	84 893	41 888	50 097	..
Mexico	319 878	575 428	609 482	556 706	495 039	555 855	599 290	616 441	..
United States ¹	8 245 986	7 051 141	5 759 491	7 226 818	5 189 993	5 660 485	6 200 421	6 604 663	..
OECD Americas	9 118 204	8 489 348	7 345 091	9 011 170	6 626 695	7 028 731	7 646 514	8 062 028	..
Australia	69 476	173 739	280 299	346 935	383 557	378 625	396 239	371 665	..
Israel ²	2 097	6 035	1 308	225	-	2 925	58 762	53 748	..
Japan	76 132	99 443	249 099	368 788	528 341	542 546	536 879	525 130	..
Korea	-	-	3 391	134 005	193 894	329 932	344 869	349 305	..
New Zealand	1 507	12 005	71 123	124 442	45 637	68 327	107 902	119 329	..
OECD Asia Oceania	149 212	291 222	605 220	974 395	1 151 429	1 322 355	1 444 651	1 419 177	..
Austria	59 869	97 849	91 655	110 743	125 799	136 116	137 347	141 037	..
Belgium	146 642	169 054	153 592	246 893	226 199	222 427	219 681	219 445	..
Czech Republic	21 356	13 088	112 444	121 028	112 496	107 327	96 678	98 413	..
Denmark	-	-	24 870	36 139	33 216	33 128	29 647	29 808	..
Estonia	..	..	17 329	10 289	13 157	5 314	4 387	4 954	..
Finland	-	18 431	42 817	39 032	35 197	33 848	26 685	26 150	..
France	263 023	438 834	516 244	682 433	659 854	564 737	517 356	508 680	..
Germany	582 284	908 025	897 913	995 827	1 010 721	1 024 567	980 293	1 028 669	..
Greece	-	-	4 496	16 977	25 760	33 839	36 247	32 450	..
Hungary	103 483	162 933	174 756	78 928	75 389	61 994	78 703	83 461	..
Iceland	-	-	-	-	-	-	-	-	..
Ireland	-	16 069	36 624	39 670	21 427	20 703	34 081	35 291	..
Italy	401 909	516 576	681 431	818 855	691 030	507 827	411 506	419 355	..
Latvia	..	..	20 433	9 647	13 714	11 278	5 610	5 006	..
Luxembourg	6 486	11 430	12 989	13 928	15 306	14 399	12 921	13 020	..
Netherlands	378 914	391 328	421 073	390 748	361 431	335 675	313 825	317 260	..
Norway	-	-	-	27 457	32 723	31 847	37 579	32 484	..
Poland	186 216	251 301	206 111	191 498	223 846	221 004	248 850	256 753	..
Portugal	-	-	-	30 648	44 478	48 968	52 913	51 860	..
Slovak Republic	38 358	27 782	62 027	51 968	63 014	51 092	54 644	52 791	..
Slovenia	..	..	26 408	28 319	31 027	26 143	18 946	19 582	..
Spain	18 300	28 119	175 486	447 755	640 393	383 168	341 047	324 522	..
Sweden	-	-	11 762	14 075	15 743	20 004	23 324	17 925	..
Switzerland	634	16 440	19 766	33 867	37 232	41 326	43 367	44 101	..
Turkey	-	-	31 163	81 815	148 613	302 689	433 514	428 346	..
United Kingdom	438 228	628 033	556 333	709 959	573 674	422 486	376 118	371 213	..
OECD Europe	2 645 702	3 695 292	4 297 722	5 228 498	5 231 439	4 661 906	4 535 269	4 562 576	..
IEA	11 910 941	12 469 475	12 165 228	15 037 031	12 823 468	12 887 753	13 501 228	13 915 348	..
IEA/Accession/Association	12 036 967	12 929 541	13 176 882	16 812 813	15 444 197	16 850 955	18 466 518	19 065 868	..
European Union - 28	..	..	5 264 133	5 457 339	5 396 850	4 573 706	4 287 753	4 310 342	..
G7	10 559 822	10 504 479	9 601 973	11 891 485	9 453 922	9 450 146	9 827 488	10 248 537	..
G8	..	..	12 003 085	13 880 820	11 851 665	12 536 794	13 008 861	13 531 741	..
G20	..	..	16 998 018	19 679 716	19 014 931	21 530 787	22 920 572	23 565 650	..
OPEC	385 301	618 142	1 731 842	2 631 516	3 407 491	5 177 844	5 825 642	5 650 051	..

Includes non-energy use for industry/transformation/energy.
2017 data for consumption will be released in the 2019 edition.

1. For the United States, gas used by autoproducers of electricity and heat has been included in final consumption prior to 1989.

2. Please refer to section 'Geographical coverage'.

Consumption of natural gas in industry

Unit: TJ-gross	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	5 520 969	8 888 938	8 747 630	9 426 182	12 614 835	16 781 726	18 592 646	18 825 011	..
Albania	-	-	7 610	42	-	33	519	468	..
Armenia	..	..	45 179	14 318	26 913	10 217	7 995	7 361	..
Azerbaijan	..	..	291 434	37 404	34 610	25 319	43 329	48 680	..
Belarus	..	..	134 646	82 736	112 790	128 454	107 083	102 104	..
Bosnia and Herzegovina	..	..	14 778	5 494	9 011	3 348	3 378	3 535	..
Bulgaria	-	-	119 996	70 692	63 193	41 389	55 410	56 185	..
Croatia	..	..	46 221	44 175	42 727	42 836	34 904	34 231	..
Cyprus ¹	-	-	-	-	-	-	-	-	..
FYR of Macedonia	..	..	-	325	2 173	1 833	1 204	1 496	..
Georgia	..	..	61 149	9 172	12 465	12 397	15 063	13 138	..
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	-	-	-	74 033	96 850	96 727	..
Kosovo	..	..	..	..	..	..	..	..	..
Kyrgyzstan	..	..	-	-	8 569	1 772	909	1 042	..
Lithuania	..	..	71 144	34 742	40 462	38 103	57 028	52 497	..
Malta	-	-	-	-	-	-	-	-	..
Moldova	..	..	24 484	8 563	18 778	15 938	11 529	13 320	..
Montenegro	..	..	..	..	..	..	..	..	..
Romania	532 592	1 268 228	779 979	222 371	237 597	165 334	119 602	109 784	..
Russian Federation	..	..	2 401 112	1 989 335	2 397 743	3 086 648	3 181 373	3 283 204	..
Serbia	..	..	36 258	40 151	47 892	38 459	26 079	31 195	..
Tajikistan	..	..	-	-	-	-	-	-	..
Turkmenistan	..	..	14 513	12 915	16 884	30 176	46 570	46 570	..
Ukraine	..	..	1 083 706	556 003	758 287	490 893	234 696	198 427	..
Uzbekistan	..	..	-	356 408	300 348	285 438	228 282	231 418	..
Former Soviet Union	4 132 154	5 969 435	x	x	x	x	x	x	x
Former Yugoslavia	40 013	83 953	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	4 704 759	7 321 616	5 132 209	3 484 846	4 130 442	4 492 620	4 271 803	4 331 382	..
Algeria	8 578	21 028	93 892	121 063	145 861	198 667	304 465	324 603	..
Angola	2 536	3 001	20 520	21 660	24 700	28 120	29 260	27 393	..
Benin	-	-	-	-	-	-	-	-	..
Botswana	..	..	-	-	-	-	-	-	..
Cameroon	-	-	-	-	-	-	-	-	..
Congo	-	-	-	-	-	-	-	-	..
Côte d'Ivoire	-	-	-	-	-	8 589	11 633	14 241	..
Dem. Rep. of the Congo	-	-	-	-	-	-	-	-	..
Egypt	-	34 836	109 408	168 587	384 240	454 035	380 281	425 449	..
Eritrea	..	..	..	..	..	..	..	..	..
Ethiopia	-	-	-	-	-	-	-	-	..
Gabon	-	28	58	56	66	89	114	116	..
Ghana	-	-	-	-	-	-	-	-	..
Kenya	-	-	-	-	-	-	-	-	..
Libya	12 000	47 000	60 000	100 000	96 516	103 012	6 224	5 949	..
Mauritius	-	-	-	-	-	-	-	-	..
Morocco	2 721	2 582	2 014	1 768	1 577	2 089	3 097	2 836	..
Mozambique	-	-	-	-	720	2 926	6 252	5 953	..
Namibia	..	..	..	..	..	..	..	..	..
Niger	..	..	..	..	..	..	..	..	..
Nigeria	1 352	1 808	33 326	45 084	130 897	56 351	175 076	158 424	..
Senegal	-	-	-	-	-	-	-	-	..
South Africa	-	-	-	-	-	38 184	80 993	78 662	..
South Sudan	..	..	..	..	..	..	..	..	..
Sudan	-	-	-	-	-	-	-	-	..
Tanzania	-	-	-	-	2 544	4 644	6 412	6 799	..
Togo	-	-	-	-	-	-	-	-	..
Tunisia	331	3 571	11 866	21 058	28 960	37 683	37 099	36 542	..
Zambia	-	-	-	-	-	-	-	-	..
Zimbabwe	-	-	-	-	-	-	-	-	..
Other Africa	-	-	-	54	44 074	41 824	36 059	54 329	..
Africa	27 518	113 854	331 084	479 330	860 155	976 213	1 076 965	1 141 296	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of natural gas in industry

Unit: TJ-gross	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	15 239	26 252	72 525	129 326	150 473	201 762	222 205	230 360	..
Brunei Darussalam	-	-	-	-	-	21 399	1 801	20 467	..
Cambodia	..	..	..	-	-	-	-	-	..
DPR of Korea	-	-	-	-	-	-	-	-	..
India	12 771	29 457	256 941	427 554	554 332	1 145 200	1 183 189	1 296 330	..
Indonesia	5 630	109 958	279 408	535 029	631 742	730 450	781 457	617 266	..
Malaysia	-	47	50 475	178 609	319 033	277 771	431 613	561 580	..
Mongolia	..	..	-	-	-	-	-	-	..
Myanmar	1 164	3 890	10 351	14 971	18 216	19 016	23 854	18 264	..
Nepal	-	-	-	-	-	-	-	-	..
Pakistan	78 450	120 005	197 779	301 948	475 645	495 018	462 390	440 269	..
Philippines	-	-	-	-	568	3 248	2 334	3 037	..
Singapore	-	-	-	-	18 543	44 910	49 137	47 052	..
Sri Lanka	-	-	-	-	-	-	-	-	..
Chinese Taipei	40 670	50 697	15 910	34 584	37 450	46 833	74 130	78 740	..
Thailand	-	-	6 438	51 555	84 286	145 316	219 073	229 919	..
Viet Nam	-	-	-	837	25 001	22 917	77 456	74 385	..
Other Non-OECD Asia	-	-	-	-	-	-	-	-	..
Non-OECD Asia excl. China	153 924	340 306	889 827	1 674 413	2 315 289	3 153 840	3 528 639	3 617 669	..
People's Republic of China	100 452	283 474	328 968	418 439	837 892	1 337 976	2 219 244	2 458 649	..
Hong Kong, China	105	213	583	982	898	917	1 649	1 477	..
China	100 557	283 687	329 551	419 421	838 790	1 338 893	2 220 893	2 460 126	..
Argentina	107 298	140 466	200 279	306 467	361 896	376 093	412 052	395 415	..
Bolivia	154	1 736	7 678	14 905	17 684	25 088	35 603	35 938	..
Brazil	4 372	34 243	103 229	202 596	351 003	472 368	468 205	448 371	..
Colombia	9 832	25 141	36 936	45 395	79 028	89 991	51 134	55 952	..
Costa Rica	-	-	-	-	-	-	-	-	..
Cuba	75	68	51	6 205	5 853	15 145	14 730	12 755	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	-	-	-	-	-	1 220	4 029	4 008	..
Ecuador	-	-	-	-	-	-	575	1 850	..
El Salvador	-	-	-	-	-	-	-	-	..
Guatemala	-	-	-	-	-	-	-	-	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	-	-	-	-	-	-	-	-	..
Jamaica	-	-	-	-	-	-	-	-	..
Nicaragua	-	-	-	-	-	-	-	-	..
Panama	-	-	-	-	-	-	-	-	..
Paraguay	-	-	-	-	-	-	-	-	..
Peru	84	1 715	1 172	-	6 549	32 768	49 901	53 132	..
Suriname	..	..	..	-	-	-	-	-	..
Trinidad and Tobago	24 192	40 110	131 055	276 328	446 657	552 701	509 530	483 408	..
Uruguay	-	-	-	1 397	2 395	595	544	545	..
Venezuela	128 111	258 975	290 357	359 575	495 693	573 284	314 675	239 152	..
Other Non-OECD Americas	-	170	39	39	409	28	61	62	..
Non-OECD Americas	274 118	502 624	770 796	1 212 907	1 767 167	2 139 281	1 861 039	1 730 588	..
Bahrain	27 369	40 549	48 693	55 232	56 399	75 943	98 603	102 438	..
Islamic Republic of Iran	88 893	43 575	313 740	491 676	728 596	1 419 048	1 952 687	2 061 340	..
Iraq	22 990	24 339	37 620	59 850	3 293	9 280	56 684	64 519	..
Jordan	-	-	-	-	-	-	-	-	..
Kuwait	55 810	53 718	75 105	141 033	206 589	152 723	261 522	300 865	..
Lebanon	-	-	-	-	-	-	-	-	..
Oman	-	-	11 781	8 760	50 256	306 400	512 375	525 335	..
Qatar	26 777	60 609	111 809	171 122	210 390	228 636	362 224	348 174	..
Saudi Arabia	-	11 149	288 978	538 103	742 829	1 271 615	988 530	989 557	..
Syrian Arab Republic	-	-	-	107 195	82 579	80 215	27 076	23 613	..
United Arab Emirates	38 254	92 912	406 437	582 294	622 061	1 137 019	1 373 606	1 128 109	..
Yemen	-	-	-	-	-	-	-	-	..
Middle East	260 093	326 851	1 294 163	2 155 265	2 702 992	4 680 879	5 633 307	5 543 950	..

Includes non-energy use for industry/transformation/energy.
 2017 data for consumption will be released in the 2019 edition.
 1. Please refer to section 'Geographical coverage'.

Consumption of electricity in industry

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	2 731 900	3 464 259	4 509 936	5 379 012	6 249 384	7 417 563	8 505 529	8 684 057	..
Non-OECD Total	888 718	1 294 720	1 845 149	2 128 625	3 102 725	4 416 726	5 496 581	5 653 077	..
OECD Total	1 843 182	2 169 539	2 664 787	3 250 387	3 146 659	3 000 837	3 008 948	3 030 980	..
Canada	105 860	135 674	167 944	203 313	209 492	175 480	170 326	168 756	..
Chile	4 757	6 414	10 152	25 683	32 571	35 853	42 267	43 611	..
Mexico	18 093	30 204	53 394	82 656	109 331	122 713	139 990	145 945	..
United States	645 799	746 136	866 542	1 142 111	898 152	826 432	806 248	796 896	..
OECD Americas	774 509	918 428	1 098 032	1 453 763	1 249 546	1 160 478	1 158 831	1 155 208	..
Australia	23 191	32 513	59 184	77 027	74 060	82 103	76 624	77 291	..
Israel ¹	2 308	3 502	5 289	10 447	11 798	12 488	13 441	14 933	..
Japan	291 381	327 788	416 320	399 771	384 391	356 428	337 348	344 716	..
Korea	8 846	22 720	57 791	150 391	183 954	228 120	262 369	265 383	..
New Zealand	5 623	7 678	11 197	14 026	15 382	14 726	13 739	13 920	..
OECD Asia Oceania	331 349	394 201	549 781	651 662	669 585	693 865	703 521	716 243	..
Austria	12 121	14 172	17 344	19 393	24 185	25 835	25 274	25 693	..
Belgium	22 423	23 944	30 523	39 868	39 423	38 137	37 990	37 942	..
Czech Republic	18 770	22 253	26 922	18 944	23 145	21 793	22 806	23 204	..
Denmark	4 600	5 783	8 409	9 993	10 261	8 514	8 373	8 427	..
Estonia	..	..	2 730	1 833	2 168	2 095	2 059	2 152	..
Finland	18 064	22 819	32 518	42 898	43 056	40 360	37 893	38 517	..
France	83 991	95 361	114 666	134 656	139 547	117 444	116 450	116 971	..
Germany	178 328	199 547	216 479	211 590	230 561	224 530	224 880	226 598	..
Greece	7 367	10 498	12 109	13 547	14 419	14 142	12 668	11 285	..
Hungary	10 743	13 804	13 751	8 799	9 271	9 784	15 403	15 963	..
Iceland	1 500	1 978	2 559	5 240	5 889	13 498	15 129	14 840	..
Ireland	2 199	3 210	4 485	7 728	7 673	9 104	9 844	10 143	..
Italy	77 146	94 021	110 917	141 847	144 763	127 868	112 665	113 257	..
Latvia	..	..	3 190	1 433	1 700	1 590	1 703	1 667	..
Luxembourg	2 365	2 466	2 810	3 242	3 429	3 625	3 063	3 406	..
Netherlands	22 713	28 075	33 356	40 423	41 542	39 210	34 247	35 740	..
Norway	37 186	39 932	45 810	51 566	52 025	44 524	45 012	45 756	..
Poland	38 122	52 126	42 744	39 880	40 906	41 452	49 482	51 210	..
Portugal	5 109	8 210	12 219	15 954	17 172	17 468	15 481	15 083	..
Slovak Republic	8 321	12 859	15 008	9 741	11 034	10 927	11 605	12 085	..
Slovenia	..	..	5 969	5 529	7 172	5 487	6 199	6 234	..
Spain	37 946	53 944	63 279	85 640	105 036	73 490	76 055	77 899	..
Sweden	39 543	40 571	53 955	56 938	57 558	54 386	50 281	50 289	..
Switzerland	11 062	11 899	17 237	18 079	18 897	19 268	17 989	17 761	..
Turkey	6 436	12 153	27 343	46 089	60 671	77 295	101 031	105 491	..
United Kingdom	91 269	87 285	100 642	114 112	116 025	104 668	93 014	91 916	..
OECD Europe	737 324	856 910	1 016 974	1 144 962	1 227 528	1 146 494	1 146 596	1 159 529	..
<i>IEA</i>	<i>1 834 617</i>	<i>2 157 645</i>	<i>2 637 628</i>	<i>3 202 055</i>	<i>3 087 529</i>	<i>2 931 921</i>	<i>2 930 209</i>	<i>2 949 695</i>	..
<i>IEA/Accession/Association</i>	<i>2 020 416</i>	<i>2 493 283</i>	<i>3 252 027</i>	<i>4 313 778</i>	<i>4 982 502</i>	<i>5 994 499</i>	<i>6 978 855</i>	<i>7 106 950</i>	..
<i>European Union - 28</i>	..	..	<i>992 908</i>	<i>1 058 591</i>	<i>1 130 773</i>	<i>1 027 216</i>	<i>1 004 522</i>	<i>1 013 148</i>	..
<i>G7</i>	<i>1 473 774</i>	<i>1 685 812</i>	<i>1 993 510</i>	<i>2 347 400</i>	<i>2 122 931</i>	<i>1 932 850</i>	<i>1 860 931</i>	<i>1 859 110</i>	..
<i>G8</i>	..	..	<i>2 475 232</i>	<i>2 659 803</i>	<i>2 452 808</i>	<i>2 259 699</i>	<i>2 189 931</i>	<i>2 185 453</i>	..
<i>G20</i>	..	..	<i>3 818 890</i>	<i>4 650 735</i>	<i>5 337 538</i>	<i>6 361 139</i>	<i>7 333 187</i>	<i>7 449 244</i>	..
<i>OPEC</i>	<i>18 266</i>	<i>35 390</i>	<i>69 726</i>	<i>105 643</i>	<i>127 258</i>	<i>177 984</i>	<i>194 063</i>	<i>217 217</i>	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Consumption of electricity in industry

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	888 718	1 294 720	1 845 149	2 128 625	3 102 725	4 416 726	5 496 581	5 653 077	..
Albania	-	-	482	911	721	1 039	1 245	1 272	..
Armenia	..	..	3 316	696	953	1 047	1 577	1 631	..
Azerbaijan	..	..	7 147	729	2 895	1 758	3 163	3 517	..
Belarus	..	..	22 565	12 907	13 301	13 204	12 093	11 956	..
Bosnia and Herzegovina	..	..	6 081	1 197	2 411	3 819	3 999	4 079	..
Bulgaria	14 036	16 556	18 552	8 584	9 838	7 818	8 946	8 910	..
Croatia	..	..	5 984	2 866	3 343	3 478	3 429	3 426	..
Cyprus ¹	231	263	334	446	546	579	459	486	..
FYR of Macedonia	..	..	2 616	1 560	2 143	2 010	1 976	1 591	..
Georgia	..	..	7 577	896	737	2 137	2 751	2 902	..
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	63 935	21 174	44 021	40 121	45 110	44 244	..
Kosovo	..	..	..	234	331	1 153	1 368	1 048	..
Kyrgyzstan	..	..	5 104	2 798	1 933	1 764	2 356	1 709	..
Lithuania	..	..	5 460	2 294	2 833	2 654	3 313	3 417	..
Malta	-	-	-	504	483	397	415	411	..
Moldova	..	..	4 494	2 823	2 565	2 804	1 401	1 228	..
Montenegro	..	..	..	..	2 607	1 853	767	660	..
Romania	26 710	40 262	38 553	19 909	23 684	20 381	20 525	20 817	..
Russian Federation	..	..	481 722	312 403	329 877	326 849	329 000	326 343	..
Serbia	..	..	13 819	6 331	6 054	7 287	7 297	7 731	..
Tajikistan	..	..	11 500	5 376	6 584	7 435	3 889	4 114	..
Turkmenistan	..	..	3 980	2 105	2 683	3 316	4 500	4 500	..
Ukraine	..	..	145 373	60 300	65 709	65 911	49 963	49 941	..
Uzbekistan	..	..	21 796	15 238	15 598	16 390	17 797	17 989	..
Former Soviet Union	508 900	647 100	x	x	x	x	x	x	x
Former Yugoslavia	15 749	27 000	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	565 626	731 181	870 390	482 281	541 850	535 204	527 339	523 922	..
Algeria	944	2 838	5 989	6 907	8 855	12 700	17 441	18 574	..
Angola	172	118	157	362	611	1 578	2 840	3 013	..
Benin	21	52	87	103	118	152	280	291	..
Botswana	..	..	600	809	1 173	1 381	1 462	1 382	..
Cameroon	837	791	1 359	1 516	1 485	2 781	3 408	3 582	..
Congo	43	72	205	137	165	246	372	376	..
Côte d'Ivoire	183	454	503	948	1 267	1 068	2 011	2 177	..
Dem. Rep. of the Congo	-	2 595	1 086	1 890	3 094	3 970	3 994	3 848	..
Egypt	4 203	10 022	16 875	24 552	32 701	40 702	38 310	40 316	..
Eritrea	..	..	..	74	58	64	85	88	..
Ethiopia	359	351	487	549	945	1 395	2 822	3 035	..
Gabon	32	240	390	268	321	394	502	546	..
Ghana	3 238	3 953	3 558	4 306	2 542	3 174	4 179	4 528	..
Kenya	542	795	1 955	2 092	2 900	3 523	4 226	4 388	..
Libya	154	833	1 667	3 056	3 172	2 079	1 892	1 213	..
Mauritius	40	88	212	652	778	935	962	970	..
Morocco	1 218	2 271	4 016	6 052	7 238	8 852	10 864	11 190	..
Mozambique	236	182	177	1 541	8 398	8 574	9 426	8 637	..
Namibia	..	..	..	560	596	803	613	585	..
Niger	..	..	..	143	191	173	274	274	..
Nigeria	1 280	1 749	2 016	1 866	2 119	3 249	4 165	4 101	..
Senegal	252	359	450	291	574	696	951	1 073	..
South Africa	35 557	58 803	82 341	96 942	110 024	121 051	116 576	115 940	..
South Sudan	..	..	..	..	..	..	-	-	..
Sudan	234	235	204	619	497	888	1 512	1 794	..
Tanzania	179	244	399	388	721	1 036	1 362	1 472	..
Togo	38	52	102	133	181	240	390	403	..
Tunisia	579	1 474	2 840	4 380	5 049	5 121	5 478	5 423	..
Zambia	4 202	4 826	4 382	4 156	5 572	4 086	6 860	6 455	..
Zimbabwe	3 407	4 820	5 654	5 313	4 644	3 112	2 524	2 645	..
Other Africa	542	1 209	1 478	2 457	2 613	3 152	5 753	5 860	..
Africa	58 492	99 426	139 189	173 062	208 602	237 175	251 534	254 179	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Consumption of electricity in industry

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	781	882	2 716	5 395	11 226	19 595	27 035	29 470	..
Brunei Darussalam	50	70	238	290	133	180	189	132	..
Cambodia	..	..	..	37	143	379	901	1 511	..
DPR of Korea	7 013	8 995	11 779	7 247	8 559	8 092	5 131	6 323	..
India	37 680	55 234	105 585	158 396	210 903	319 982	419 820	422 749	..
Indonesia	346	1 724	14 543	34 013	42 715	51 218	64 080	68 145	..
Malaysia	2 378	4 466	9 653	32 622	39 204	52 715	60 473	67 709	..
Mongolia	..	..	1 803	1 182	1 569	2 094	3 261	3 356	..
Myanmar	359	606	862	1 361	1 410	2 280	2 145	2 120	..
Nepal	7	55	207	522	786	1 002	1 206	1 735	..
Pakistan	3 662	4 108	10 337	14 358	20 006	21 276	25 035	26 472	..
Philippines	4 743	8 210	9 944	13 195	15 411	18 577	22 515	24 120	..
Singapore	1 349	2 453	5 505	10 658	14 098	16 819	18 853	18 968	..
Sri Lanka	497	677	910	2 202	2 446	3 148	3 880	4 149	..
Chinese Taipei	11 688	23 821	44 192	86 891	108 545	124 154	133 303	135 682	..
Thailand	3 939	6 332	17 929	40 139	56 885	63 630	83 982	88 878	..
Viet Nam	-	1 478	2 846	9 088	22 808	46 517	77 077	85 264	..
Other Non-OECD Asia	439	2 331	2 710	3 967	4 873	6 597	11 826	11 998	..
Non-OECD Asia excl. China	74 931	121 442	241 759	421 563	561 720	758 255	960 712	998 781	..
People's Republic of China	106 996	192 990	344 330	690 052	1 355 192	2 362 874	3 212 168	3 308 367	..
Hong Kong, China	2 419	4 200	6 926	4 936	4 066	3 078	3 177	3 126	..
China	109 415	197 190	351 256	694 988	1 359 258	2 365 952	3 215 345	3 311 493	..
Argentina	12 313	17 291	21 388	34 832	43 231	48 331	53 767	51 452	..
Bolivia	537	869	725	1 246	1 244	1 717	2 112	2 134	..
Brazil	29 514	68 220	112 339	146 730	175 371	203 350	196 612	195 347	..
Colombia	3 449	5 051	7 958	11 419	12 571	14 129	18 855	18 932	..
Costa Rica	365	700	759	1 400	1 722	1 828	1 872	1 956	..
Cuba	2 251	2 707	5 674	3 986	3 559	3 782	3 792	3 773	..
Curaçao ¹	337	369	331	480	512	542	336	362	..
Dominican Republic	675	954	616	3 905	4 392	5 254	5 717	6 117	..
Ecuador	320	1 198	1 522	2 218	3 052	7 163	8 904	9 372	..
El Salvador	352	515	569	1 716	2 116	2 231	2 109	1 778	..
Guatemala	360	822	646	1 467	2 695	3 054	3 547	3 621	..
Haiti	23	105	179	105	154	75	184	187	..
Honduras	229	388	852	891	1 209	1 267	2 112	1 908	..
Jamaica	1 507	568	208	3 763	4 712	607	1 484	1 517	..
Nicaragua	304	320	355	336	362	928	1 128	1 110	..
Panama	198	200	349	506	345	763	810	720	..
Paraguay	131	372	624	891	1 245	1 623	2 117	2 175	..
Peru	3 825	5 282	7 171	9 833	12 562	16 789	23 434	26 204	..
Suriname	..	..	..	638	694	811	950	851	..
Trinidad and Tobago	514	1 055	1 916	3 059	4 157	4 761	5 866	6 101	..
Uruguay	649	1 085	1 480	1 594	1 699	2 535	3 251	3 384	..
Venezuela	5 621	13 791	24 612	27 621	34 560	36 858	32 038	28 380	..
Other Non-OECD Americas	5 848	6 722	8 572	14 881	17 829	16 324	13 145	13 385	..
Non-OECD Americas	69 322	128 584	198 845	273 517	329 993	374 722	384 142	380 766	..
Bahrain	170	230	4 873	8 424	11 942	11 463	13 990	14 013	..
Islamic Republic of Iran	6 817	8 739	14 426	32 954	45 582	63 060	55 443	80 680	..
Iraq	1 137	3 785	9 053	12 032	4 368	6 920	6 449	5 180	..
Jordan	110	275	1 189	1 823	2 505	3 118	3 705	3 859	..
Kuwait	-	-	-	-	-	-	-	-	..
Lebanon	-	-	-	2 543	2 942	3 961	4 310	4 386	..
Oman	1	14	74	330	595	1 541	4 723	5 153	..
Qatar	-	460	600	1 624	2 832	7 773	11 887	12 026	..
Saudi Arabia	1 745	1 251	8 290	12 482	15 335	28 619	39 529	40 149	..
Syrian Arab Republic	876	1 742	4 201	6 749	8 450	11 318	4 385	4 417	..
United Arab Emirates	44	388	1 004	4 253	6 451	7 591	12 973	13 983	..
Yemen	32	13	-	-	300	54	115	90	..
Middle East	10 932	16 897	43 710	83 214	101 302	145 418	157 509	183 936	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Consumption of oil in transport

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World¹	987 271	1 149 350	1 428 678	1 810 797	2 025 319	2 174 919	2 399 520	2 450 683	..
Non-OECD Total	165 058	245 536	350 668	470 825	588 877	742 478	930 870	952 992	..
OECD Total	637 587	725 183	876 757	1 067 869	1 119 681	1 075 314	1 088 344	1 102 667	..
Canada	31 361	40 195	38 047	44 619	47 412	52 022	52 559	52 416	..
Chile	1 594	1 918	2 873	5 370	5 839	6 769	7 955	8 323	..
Mexico	11 723	21 642	26 777	33 879	41 779	48 290	48 273	50 001	..
United States	377 744	390 613	450 018	542 997	567 932	525 606	535 917	538 875	..
OECD Americas	422 422	454 368	517 715	626 865	662 962	632 687	644 704	649 615	..
Australia	12 178	15 892	19 814	23 752	24 965	27 736	30 115	30 523	..
Israel ²	1 093	1 316	2 552	4 233	4 268	5 208	5 368	5 570	..
Japan	37 944	50 529	65 045	81 166	76 735	71 432	67 597	67 221	..
Korea	2 384	4 597	13 907	25 354	27 928	27 674	31 137	32 033	..
New Zealand	1 837	2 161	2 737	3 868	4 327	4 354	4 603	4 676	..
OECD Asia Oceania	55 436	74 495	104 055	138 373	138 223	136 404	138 820	140 023	..
Austria	3 713	3 888	4 398	5 882	7 769	7 014	7 100	7 344	..
Belgium	4 177	5 227	6 617	7 888	8 362	8 201	8 367	8 278	..
Czech Republic	2 046	2 119	2 438	4 007	5 636	5 422	5 652	5 869	..
Denmark	2 595	2 910	3 354	3 912	4 334	4 217	3 727	3 809	..
Estonia	..	..	773	534	690	723	734	762	..
Finland	2 313	2 687	3 783	3 772	4 049	3 990	3 483	3 954	..
France	23 590	29 005	37 025	42 871	42 142	39 556	39 123	39 047	..
Germany	32 743	41 808	51 820	56 320	49 851	47 536	50 558	51 636	..
Greece	1 983	3 086	4 988	6 214	7 113	7 131	5 403	5 548	..
Hungary	1 776	2 568	2 722	2 852	3 863	3 770	3 851	3 918	..
Iceland	123	152	204	204	218	273	273	298	..
Ireland	1 123	1 517	1 626	3 451	4 209	3 785	3 567	3 825	..
Italy	17 664	22 853	31 102	37 800	39 666	34 738	32 567	32 114	..
Latvia	..	..	1 004	705	989	1 033	1 003	1 021	..
Luxembourg	222	416	849	1 562	2 308	2 092	1 844	1 784	..
Netherlands	6 220	7 284	8 821	10 418	11 176	11 012	9 699	9 717	..
Norway	2 177	2 744	3 243	3 880	4 194	4 563	4 312	4 166	..
Poland	4 859	6 744	6 321	8 950	11 180	15 159	14 890	16 984	..
Portugal	1 550	2 233	3 182	5 717	6 154	5 956	5 059	5 166	..
Slovak Republic	1 576	1 170	1 309	1 307	1 639	1 991	1 843	2 056	..
Slovenia	..	..	850	1 145	1 388	1 671	1 685	1 802	..
Spain	10 420	14 535	20 607	29 281	35 288	31 566	27 253	28 274	..
Sweden	4 977	5 514	6 525	7 033	7 427	7 018	6 335	6 456	..
Switzerland	3 278	3 412	4 764	5 415	5 386	5 557	5 227	5 181	..
Turkey	3 789	5 146	9 052	11 501	12 257	14 550	23 453	25 377	..
United Kingdom	26 815	29 302	37 610	40 010	41 208	37 699	37 812	38 643	..
OECD Europe	159 729	196 320	254 987	302 631	318 496	306 223	304 820	313 029	..
International marine bunkers	124 477	113 801	118 605	158 682	181 988	211 270	210 859	217 320	x
International aviation bunkers	60 149	64 830	82 648	113 421	134 773	145 857	169 447	177 704	x
<i>IEA</i>	<i>634 777</i>	<i>721 797</i>	<i>869 274</i>	<i>1 056 212</i>	<i>1 106 979</i>	<i>1 060 360</i>	<i>1 072 060</i>	<i>1 085 653</i>	..
<i>IEA/Accession/Association</i>	<i>677 056</i>	<i>783 824</i>	<i>960 974</i>	<i>1 252 503</i>	<i>1 368 830</i>	<i>1 412 365</i>	<i>1 543 247</i>	<i>1 570 857</i>	..
<i>European Union - 28</i>	..	..	247 088	289 500	306 530	292 273	283 531	290 614	..
<i>G7</i>	<i>547 861</i>	<i>604 305</i>	<i>710 667</i>	<i>845 783</i>	<i>864 946</i>	<i>808 589</i>	<i>816 133</i>	<i>819 952</i>	..
<i>G8</i>	..	..	781 303	886 586	910 806	862 780	873 472	875 383	..
<i>G20</i>	..	..	1 053 343	1 311 510	1 434 559	1 497 677	1 644 359	1 667 509	..
<i>OPEC</i>	<i>14 893</i>	<i>37 999</i>	<i>61 970</i>	<i>88 162</i>	<i>113 145</i>	<i>136 907</i>	<i>165 481</i>	<i>165 176</i>	..

Includes non-energy use in transport.

2017 data for consumption will be released in the 2019 edition.

1. World includes International marine bunkers and International aviation bunkers.

2. Please refer to section 'Geographical coverage'.

Consumption of oil in transport

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	165 058	245 536	350 668	470 825	588 877	742 478	930 870	952 992	..
Albania	252	475	226	469	759	712	777	730	..
Armenia	..	..	969	187	184	189	231	219	..
Azerbaijan	..	..	1 909	776	1 320	1 637	2 308	2 153	..
Belarus	..	..	3 577	1 960	2 335	3 053	3 003	3 125	..
Bosnia and Herzegovina	..	..	706	673	739	1 087	991	1 154	..
Bulgaria	1 325	1 350	2 089	1 637	2 288	2 362	2 725	2 768	..
Croatia	..	..	1 183	1 419	1 771	1 891	1 894	1 964	..
Cyprus ¹	238	200	373	561	651	721	587	619	..
FYR of Macedonia	..	..	248	325	336	440	580	662	..
Georgia	..	..	1 214	312	477	715	946	1 167	..
Gibraltar	8	13	27	78	95	109	134	145	..
Kazakhstan	..	..	4 695	3 058	3 112	4 291	4 818	4 951	..
Kosovo	..	..	..	185	261	308	365	380	..
Kyrgyzstan	..	..	1 941	275	354	638	872	1 083	..
Lithuania	..	..	1 789	1 007	1 331	1 378	1 614	1 734	..
Malta	79	86	145	147	161	180	187	186	..
Moldova	..	..	785	200	376	558	618	647	..
Montenegro	..	..	..	..	153	222	184	217	..
Romania	2 270	2 258	3 785	3 098	3 887	4 461	4 969	5 336	..
Russian Federation	..	..	70 636	40 803	45 860	54 191	57 339	55 431	..
Serbia	..	..	1 438	749	2 113	2 093	1 882	1 931	..
Tajikistan	..	..	240	14	32	79	429	413	..
Turkmenistan	..	..	1 336	1 212	1 589	2 065	2 545	2 545	..
Ukraine	..	..	17 587	6 499	7 371	8 488	6 310	6 862	..
Uzbekistan	..	..	1 876	2 305	1 827	1 752	1 239	1 149	..
Former Soviet Union	58 300	81 300	x	x	x	x	x	x	x
Former Yugoslavia	3 400	4 176	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	65 872	89 858	118 774	67 949	79 382	93 620	97 547	97 571	..
Algeria	946	1 975	4 783	4 831	6 730	9 525	14 204	13 692	..
Angola	455	314	321	339	783	2 044	2 708	2 628	..
Benin	100	82	52	293	493	1 007	1 453	1 511	..
Botswana	..	..	210	391	486	620	761	790	..
Cameroon	203	373	554	587	666	854	1 017	1 032	..
Congo	113	161	162	134	227	466	650	637	..
Côte d'Ivoire	290	494	377	406	385	476	997	1 142	..
Dem. Rep. of the Congo	159	193	182	250	351	523	841	599	..
Egypt	1 398	2 559	5 019	9 032	9 342	13 665	16 839	17 156	..
Eritrea	..	..	..	64	56	44	59	61	..
Ethiopia	182	201	292	501	685	894	1 546	1 663	..
Gabon	12	76	102	101	116	199	253	256	..
Ghana	351	402	514	930	1 140	1 627	2 492	2 302	..
Kenya	485	608	852	850	901	1 578	2 563	2 799	..
Libya	521	1 489	1 962	3 528	4 049	5 752	4 830	6 728	..
Mauritius	53	77	140	238	271	292	340	364	..
Morocco	636	820	1 226	2 560	3 191	4 262	5 121	5 344	..
Mozambique	98	93	191	266	326	532	801	1 220	..
Namibia	..	..	..	343	472	538	639	678	..
Niger	..	..	..	110	127	253	381	371	..
Nigeria	1 207	4 292	3 748	6 986	9 164	8 900	14 203	16 234	..
Senegal	162	227	230	369	457	643	848	925	..
South Africa	6 183	6 555	9 355	11 405	13 979	15 523	17 725	17 869	..
South Sudan	..	..	..	..	..	..	331	307	..
Sudan	773	715	1 242	832	1 547	2 780	2 638	2 989	..
Tanzania	256	219	221	459	848	1 087	2 221	2 193	..
Togo	63	100	135	137	195	506	461	483	..
Tunisia	337	558	785	1 283	1 461	1 961	2 132	2 137	..
Zambia	230	279	250	238	322	217	379	391	..
Zimbabwe	399	384	498	596	408	392	786	675	..
Other Africa	433	1 047	1 547	2 312	2 802	3 610	4 654	4 740	..
Africa	16 045	24 293	34 950	50 371	61 980	80 770	104 873	109 916	..

Includes non-energy use in transport.

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Consumption of oil in transport

<i>Unit: 1000 tonnes</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	74	312	523	953	1 526	1 619	2 150	2 257	..
Brunei Darussalam	27	106	177	258	303	375	433	426	..
Cambodia	..	..	..	432	483	1 007	1 400	1 630	..
DPR of Korea	635	1 756	1 484	538	412	419	445	457	..
India	6 535	11 197	17 490	29 807	35 547	59 106	78 380	81 633	..
Indonesia	2 908	5 642	10 190	19 820	22 430	28 872	39 417	42 702	..
Malaysia	1 484	2 030	4 625	10 421	13 106	14 123	19 702	20 199	..
Mongolia	..	..	440	278	329	421	613	534	..
Myanmar	412	603	423	1 104	1 461	609	1 282	1 478	..
Nepal	21	47	100	244	248	576	696	1 158	..
Pakistan	1 027	2 095	4 264	7 827	7 772	8 528	12 742	13 473	..
Philippines	3 310	3 179	4 430	7 936	8 114	7 673	9 961	10 778	..
Singapore	566	902	1 282	1 648	1 766	2 204	2 086	2 031	..
Sri Lanka	514	653	784	1 596	1 957	2 147	2 691	2 910	..
Chinese Taipei	1 059	2 690	6 235	10 844	12 030	11 392	11 673	12 020	..
Thailand	2 341	3 135	8 840	14 316	17 706	17 363	19 122	20 663	..
Viet Nam	920	563	1 325	3 401	6 193	9 843	10 344	11 906	..
Other Non-OECD Asia	671	872	895	1 126	1 352	2 721	4 080	4 139	..
Non-OECD Asia excl. China	22 504	35 782	63 507	112 549	132 735	168 998	217 217	230 394	..
People's Republic of China	9 663	15 147	23 736	82 564	132 365	180 827	256 912	262 103	..
Hong Kong, China	483	785	1 438	3 617	1 936	2 078	2 306	2 442	..
China	10 146	15 932	25 174	86 181	134 301	182 905	259 218	264 545	..
Argentina	8 340	9 909	9 071	11 193	9 871	11 467	12 419	12 432	..
Bolivia	364	672	706	913	1 030	1 433	2 042	2 150	..
Brazil	18 036	23 266	26 063	40 206	43 007	52 602	62 194	62 405	..
Colombia	2 526	3 862	5 503	6 013	6 436	6 543	9 268	9 740	..
Costa Rica	266	420	501	944	1 191	1 445	1 684	1 799	..
Cuba	1 449	1 740	1 741	743	644	433	506	501	..
Curaçao ¹	429	488	282	427	456	488	344	344	..
Dominican Republic	502	570	735	1 705	1 773	1 741	1 815	1 877	..
Ecuador	661	1 278	2 490	2 767	3 071	3 959	5 107	5 282	..
El Salvador	213	271	400	798	967	953	1 067	1 111	..
Guatemala	303	430	542	1 221	1 627	1 799	2 358	2 552	..
Haiti	56	96	135	224	366	340	444	450	..
Honduras	169	195	330	669	712	973	1 301	1 292	..
Jamaica	526	276	346	617	705	593	542	568	..
Nicaragua	261	280	235	463	465	513	707	757	..
Panama	286	332	404	738	909	1 116	1 373	1 481	..
Paraguay	155	344	514	887	965	1 366	1 684	1 912	..
Peru	1 994	1 955	2 264	3 064	3 173	4 912	5 981	6 564	..
Suriname	..	..	..	92	160	206	215	193	..
Trinidad and Tobago	357	449	431	521	683	1 014	1 070	1 176	..
Uruguay	573	530	483	779	742	1 012	1 144	1 176	..
Venezuela	4 453	8 256	8 725	10 375	12 835	14 712	13 871	12 214	..
Other Non-OECD Americas	139	328	608	1 326	1 380	1 633	1 879	1 913	..
Non-OECD Americas	42 058	55 947	62 509	86 685	93 168	111 253	129 015	129 889	..
Bahrain	73	199	319	490	795	1 001	1 130	1 156	..
Islamic Republic of Iran	3 273	6 763	12 394	24 170	32 815	33 191	38 971	36 935	..
Iraq	932	3 104	6 894	8 345	8 253	8 873	7 902	8 049	..
Jordan	226	527	882	1 165	1 568	1 699	2 537	2 688	..
Kuwait	703	1 697	911	1 932	2 611	3 992	4 469	4 525	..
Lebanon	517	597	600	1 287	1 301	1 627	1 787	1 820	..
Oman	37	205	540	842	1 177	2 603	4 190	3 937	..
Qatar	106	332	469	769	1 497	2 800	4 033	4 164	..
Saudi Arabia	1 380	6 227	15 616	19 327	24 026	33 428	45 085	43 432	..
Syrian Arab Republic	548	1 147	2 297	2 666	4 287	3 906	2 037	2 050	..
United Arab Emirates	244	2 196	3 555	4 692	7 195	9 532	9 845	11 037	..
Yemen	394	730	1 277	1 405	1 786	2 280	1 014	884	..
Middle East	8 433	23 724	45 754	67 090	87 311	104 932	123 000	120 677	..

Includes non-energy use in transport.

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Consumption of electricity in transport

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
World	123 205	161 216	243 773	216 341	252 293	291 342	337 624	357 414	..
Non-OECD Total	61 538	90 686	154 547	111 674	149 067	192 542	228 546	243 787	..
OECD Total	61 667	70 530	89 226	104 667	103 226	98 800	109 078	113 627	..
Canada	3 236	2 284	3 269	4 523	4 256	4 083	6 128	6 910	..
Chile	193	198	212	220	252	432	1 088	986	..
Mexico	356	434	804	1 100	1 092	1 191	1 134	1 140	..
United States	4 286	3 097	4 127	4 420	6 216	6 417	8 872	10 605	..
OECD Americas	8 071	6 013	8 412	10 263	11 816	12 123	17 222	19 641	..
Australia	658	892	1 808	2 335	3 456	3 669	5 911	6 284	..
Israel ¹	-	-	-	-	-	-	-	-	..
Japan	13 233	15 227	16 810	18 573	18 898	18 244	17 604	17 604	..
Korea	128	398	1 012	2 037	2 601	2 191	2 217	2 689	..
New Zealand	39	30	56	67	64	62	63	62	..
OECD Asia Oceania	14 058	16 547	19 686	23 012	25 019	24 166	25 795	26 639	..
Austria	1 752	2 277	2 770	3 462	3 423	3 212	3 114	3 129	..
Belgium	817	965	1 249	1 443	1 695	1 736	1 585	1 631	..
Czech Republic	1 891	2 292	3 167	2 335	2 181	1 629	1 609	1 636	..
Denmark	107	140	204	348	375	404	397	417	..
Estonia	..	..	348	91	103	89	47	48	..
Finland	59	220	425	538	648	740	703	708	..
France	6 399	6 915	7 473	9 380	9 861	10 037	10 987	10 784	..
Germany	9 858	11 979	13 668	15 910	13 168	12 119	11 279	11 739	..
Greece	47	96	125	227	199	183	388	186	..
Hungary	793	1 081	1 186	1 015	1 096	1 106	1 171	1 177	..
Iceland	-	-	-	-	-	-	19	61	..
Ireland	-	-	16	26	59	46	43	49	..
Italy	3 784	4 797	6 725	8 514	9 918	10 666	10 856	11 162	..
Latvia	..	..	255	152	148	126	106	105	..
Luxembourg	33	44	55	60	94	120	124	151	..
Netherlands	895	978	1 286	1 639	1 618	1 756	1 752	1 871	..
Norway	521	683	652	624	601	570	821	970	..
Poland	3 461	4 820	5 481	4 653	3 989	3 338	3 107	3 287	..
Portugal	218	246	310	360	472	475	308	385	..
Slovak Republic	633	978	1 164	965	572	538	602	607	..
Slovenia	..	..	224	265	198	173	152	166	..
Spain	1 453	1 912	3 669	4 163	5 363	3 222	5 582	5 389	..
Sweden	2 077	2 270	2 474	3 194	2 818	2 404	2 595	2 664	..
Switzerland	2 027	2 088	2 574	2 640	2 983	3 164	3 136	3 200	..
Turkey	100	149	345	765	750	591	1 062	1 156	..
United Kingdom	2 613	3 040	5 283	8 623	4 059	4 067	4 516	4 669	..
OECD Europe	39 538	47 970	61 128	71 392	66 391	62 511	66 061	67 347	..
<i>IEA</i>	<i>61 474</i>	<i>70 332</i>	<i>88 535</i>	<i>104 030</i>	<i>102 628</i>	<i>98 069</i>	<i>107 713</i>	<i>112 309</i>	..
<i>IEA/Accession/Association</i>	<i>65 353</i>	<i>76 376</i>	<i>100 376</i>	<i>129 157</i>	<i>139 856</i>	<i>175 935</i>	<i>229 648</i>	<i>249 574</i>	..
<i>European Union - 28</i>	..	..	<i>62 057</i>	<i>70 061</i>	<i>64 531</i>	<i>60 283</i>	<i>62 769</i>	<i>63 685</i>	..
<i>G7</i>	<i>43 409</i>	<i>47 339</i>	<i>57 355</i>	<i>69 943</i>	<i>66 376</i>	<i>65 633</i>	<i>70 242</i>	<i>73 473</i>	..
<i>G8</i>	..	..	<i>161 123</i>	<i>130 859</i>	<i>149 546</i>	<i>150 917</i>	<i>152 362</i>	<i>156 042</i>	..
<i>G20</i>	..	..	<i>209 514</i>	<i>195 001</i>	<i>226 529</i>	<i>261 200</i>	<i>309 771</i>	<i>329 743</i>	..
<i>OPEC</i>	28	16	552	634	852	1 224	1 781	1 689	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Consumption of electricity in transport

<i>Unit: GWh</i>	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Non-OECD Total	61 538	90 686	154 547	111 674	149 067	192 542	228 546	243 787	..
Albania	-	-	-	-	12	-	-	-	..
Armenia	..	..	386	123	125	119	105	100	..
Azerbaijan	..	..	807	537	587	545	482	428	..
Belarus	..	..	2 954	1 840	2 006	1 613	1 227	1 181	..
Bosnia and Herzegovina	..	..	-	-	-	136	91	73	..
Bulgaria	-	1 032	1 305	519	500	399	352	354	..
Croatia	..	..	369	244	261	267	245	251	..
Cyprus ¹	38	5	-	-	-	-	-	-	..
FYR of Macedonia	..	..	28	24	24	20	17	14	..
Georgia	..	..	1 081	453	357	546	294	300	..
Gibraltar	-	-	-	-	-	-	-	-	..
Kazakhstan	..	..	6 469	1 510	3 448	3 124	3 573	3 245	..
Kosovo	..	..	..	-	-	-	-	-	..
Kyrgyzstan	..	..	144	118	-	-	174	45	..
Lithuania	..	..	212	76	103	76	67	72	..
Malta	-	-	-	-	-	-	-	-	..
Moldova	..	..	86	91	83	46	49	62	..
Montenegro	..	..	..	..	23	22	20	21	..
Romania	-	1 924	2 614	1 859	1 610	1 355	1 082	1 048	..
Russian Federation	..	..	103 768	60 916	83 170	85 284	82 120	82 569	..
Serbia	..	..	456	250	246	224	351	352	..
Tajikistan	..	..	200	43	23	30	39	35	..
Turkmenistan	..	..	1 040	150	192	238	324	324	..
Ukraine	..	..	14 475	9 236	9 483	8 972	6 807	6 796	..
Uzbekistan	..	..	1 240	1 309	1 339	1 407	1 529	1 546	..
Former Soviet Union	53 800	76 000	x	x	x	x	x	x	x
Former Yugoslavia	717	899	x	x	x	x	x	x	x
Non-OECD Europe and Eurasia	54 555	79 860	137 634	79 298	103 592	104 423	98 948	98 816	..
Algeria	28	16	275	354	474	634	974	1 014	..
Angola	-	-	-	-	-	-	-	-	..
Benin	-	-	-	-	-	-	-	-	..
Botswana	..	..	-	-	-	-	-	-	..
Cameroon	-	-	-	-	-	-	-	-	..
Congo	-	-	-	-	-	-	-	-	..
Côte d'Ivoire	-	-	-	-	-	-	-	-	..
Dem. Rep. of the Congo	-	-	-	-	-	-	-	-	..
Egypt	-	-	-	-	-	-	553	582	..
Eritrea	..	..	..	-	-	-	-	-	..
Ethiopia	-	-	-	-	-	-	-	-	..
Gabon	-	-	-	4	5	6	7	8	..
Ghana	-	-	-	-	-	-	-	-	..
Kenya	-	-	-	-	-	-	-	-	..
Libya	-	-	-	-	-	-	-	-	..
Mauritius	-	-	-	-	-	-	-	-	..
Morocco	85	107	201	209	213	281	345	352	..
Mozambique	-	-	-	-	-	-	-	-	..
Namibia	..	..	..	-	-	-	-	-	..
Niger	..	..	..	-	-	-	-	-	..
Nigeria	-	-	-	-	-	-	-	-	..
Senegal	-	-	-	-	-	-	-	-	..
South Africa	2 896	4 323	3 958	5 380	5 444	3 598	3 463	3 457	..
South Sudan	..	..	..	..	..	..	-	-	..
Sudan	-	-	-	-	-	-	-	-	..
Tanzania	-	-	-	-	-	-	-	-	..
Togo	-	-	-	-	-	-	-	-	..
Tunisia	-	52	103	190	237	78	94	96	..
Zambia	-	-	10	13	6	21	33	28	..
Zimbabwe	-	-	-	-	-	-	-	-	..
Other Africa	-	-	-	7	9	11	-	-	..
Africa	3 009	4 498	4 547	6 157	6 388	4 629	5 469	5 537	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

Consumption of electricity in transport

Unit: GWh	1973	1980	1990	2000	2005	2010	2015	2016	2017p
Bangladesh	-	-	-	-	-	-	-	-	..
Brunei Darussalam	-	-	-	-	-	-	-	-	..
Cambodia	..	..	..	-	-	-	-	-	..
DPR of Korea	-	-	-	-	-	-	-	-	..
India	1 531	2 266	4 112	8 213	9 944	13 323	16 594	17 217	..
Indonesia	-	-	-	-	-	-	-	-	..
Malaysia	-	-	-	51	63	209	266	341	..
Mongolia	..	..	-	-	-	-	-	-	..
Myanmar	-	-	-	-	-	-	-	-	..
Nepal	-	1	2	6	6	6	6	7	..
Pakistan	28	33	38	13	13	1	-	-	..
Philippines	-	-	-	55	91	111	98	102	..
Singapore	-	-	186	291	1 200	2 099	2 445	2 640	..
Sri Lanka	-	-	-	-	-	-	-	-	..
Chinese Taipei	4	214	203	455	523	1 164	1 347	1 361	..
Thailand	-	-	-	39	56	74	171	189	..
Viet Nam	-	-	-	-	-	-	-	-	..
Other Non-OECD Asia	-	-	-	-	-	-	-	-	..
Non-OECD Asia excl. China	1 563	2 514	4 541	9 123	11 896	16 987	20 927	21 857	..
People's Republic of China	1 469	2 650	5 936	14 905	24 375	59 995	98 524	113 297	..
Hong Kong, China	-	-	-	-	-	-	-	-	..
China	1 469	2 650	5 936	14 905	24 375	59 995	98 524	113 297	..
Argentina	292	267	314	523	608	669	605	546	..
Bolivia	-	-	-	-	-	-	-	-	..
Brazil	601	823	1 194	1 250	1 188	1 662	2 768	2 584	..
Colombia	-	-	-	45	43	62	91	96	..
Costa Rica	11	8	15	-	-	-	-	-	..
Cuba	38	66	89	97	103	251	312	287	..
Curaçao ¹	-	-	-	-	-	-	-	-	..
Dominican Republic	-	-	-	-	-	29	54	54	..
Ecuador	-	-	-	10	10	10	10	10	..
El Salvador	-	-	-	-	-	-	-	-	..
Guatemala	-	-	-	-	-	-	-	-	..
Haiti	-	-	-	-	-	-	-	-	..
Honduras	-	-	-	-	-	-	-	-	..
Jamaica	-	-	-	-	-	-	-	-	..
Nicaragua	-	-	-	-	-	-	-	-	..
Panama	-	-	-	-	-	-	-	-	..
Paraguay	-	-	-	-	-	-	-	-	..
Peru	-	-	-	-	-	2 715	48	46	..
Suriname	..	..	..	-	-	-	-	-	..
Trinidad and Tobago	-	-	-	-	-	-	-	-	..
Uruguay	-	-	-	-	-	-	-	-	..
Venezuela	-	-	277	253	255	275	241	221	..
Other Non-OECD Americas	-	-	-	-	501	536	-	-	..
Non-OECD Americas	942	1 164	1 889	2 178	2 708	6 209	4 129	3 844	..
Bahrain	-	-	-	-	-	-	-	-	..
Islamic Republic of Iran	-	-	-	13	108	299	549	436	..
Iraq	-	-	-	-	-	-	-	-	..
Jordan	-	-	-	-	-	-	-	-	..
Kuwait	-	-	-	-	-	-	-	-	..
Lebanon	-	-	-	-	-	-	-	-	..
Oman	-	-	-	-	-	-	-	-	..
Qatar	-	-	-	-	-	-	-	-	..
Saudi Arabia	-	-	-	-	-	-	-	-	..
Syrian Arab Republic	-	-	-	-	-	-	-	-	..
United Arab Emirates	-	-	-	-	-	-	-	-	..
Yemen	-	-	-	-	-	-	-	-	..
Middle East	-	-	-	13	108	299	549	436	..

2017 data for consumption will be released in the 2019 edition.

1. Please refer to section 'Geographical coverage'.

ANNEX

ADDITIONAL STATISTICS

For this 2018 edition, the IEA Secretariat continued the successful cooperation with the two countries: Greenland and Mali. For this 2018 edition, their data are published as an annex, but will be included in the full book in future years.

The IEA Secretariat is very grateful to statisticians in both countries for their support to broaden the scope of country coverage.

Note that Mali energy data are included in the Africa region, as well as in “Other Africa”. Greenland energy data are not included in any regional aggregate after 1990. Prior to 1990, Greenland data are included in Denmark data.

Greenland

General note

- From 2015 on, the statistical difference reported in oil products reflects the use of waste oil for energy production purposes.

Sources

Sources 2004 to 2016:

- Direct communication with Statistics Greenland, Nuuk.
- Statbank Greenland, accessed April 2018, <http://bank.stat.gl>

- IEA Secretariat estimates.

Sources for biofuels and waste:

- Statbank Greenland, accessed April 2018, <http://bank.stat.gl>
- IEA Secretariat estimates.

Mali

Sources

Sources 2000 to 2016:

- Direct communication with the Ministère de l’Energie et de l’Eau, Bamako.
- *Système d’Information Energétique du Mali 2014 and 2015*, Ministère de l’Energie et de l’Eau, Bamako, 2015 and 2017.
- *Rapport Annuel 2011 to 2015*, Energie du Mali, Bamako, 2012 to 2016.
- AFREC Energy questionnaire, African Energy Commission, 2000 to 2015.

Sources for biofuels and waste:

- AFREC Energy questionnaire, African Energy Commission, 2000 to 2015.
- IEA Secretariat estimates.

Greenland

2016

SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	15	15	3	140
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-16
Intl. aviation bunkers	-	-	-	-	-	-	-	-7	-	-
Stock changes	-	-	-	-	-	-	-1	-	-	-1
DOMESTIC SUPPLY	-	-	-	-	-	-	14	8	3	123
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	2	-1	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	26
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	26
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	2
FINAL CONSUMPTION	-	-	-	-	-	-	16	7	3	95
INDUSTRY	-	-	-	-	-	-	-	-	-	9
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	1
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	3
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	5
TRANSPORT	-	-	-	-	-	-	8	7	-	13
Domestic aviation	-	-	-	-	-	-	-	7	-	-
Road	-	-	-	-	-	-	5	-	-	6
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	3	-	-	6
Non-specified	-	-	-	-	-	-	-	-	-	1
OTHER	-	-	-	-	-	-	8	-	3	73
Residential	-	-	-	-	-	-	-	-	2	30
Comm. and public services	-	-	-	-	-	-	-	-	1	15
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	8	-	-	28
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	-	-	-	199	477	1163
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	12	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-1	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	11	-	-	-	-	-	-	199	477	1163
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	9	-	-	-	-	-1	-
TRANSFORMATION	-	-	-	9	-	-	-	199	128	-
Electricity plants	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	9	-	-	-	199	-	-
Heat plants	-	-	-	-	-	-	-	-	128	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	15	6
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	15	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	6
Losses	-	-	-	-	-	-	-	-	16	427
FINAL CONSUMPTION	11	-	-	-	-	-	-	-	317	730
INDUSTRY	-	-	-	-	-	-	-	-	51	4
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	8	2
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	43	2
TRANSPORT	3	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	3	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	8	-	-	-	-	-	-	-	266	726
Residential	-	-	-	-	-	-	-	-	100	423
Comm. and public services	-	-	-	-	-	-	-	-	166	303
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	8	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	-	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	-	-	-	-	-	-	-	-	-	-	-
Electricity plants	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	-	-	-	-	-	-
INDUSTRY	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / Diesel ³
Production	-	-	-	-	-	-	-	-	-	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	13	267	66	74	899
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-66	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	-	-	-	-	-	13	267	-	74	899
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-1	-2
TRANSFORMATION	-	-	-	-	-	-	-	-	-	473
Electricity plants	-	-	-	-	-	-	-	-	-	473
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	-	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-	-
FINAL CONSUMPTION	-	-	-	-	-	13	267	-	73	424
INDUSTRY	-	-	-	-	-	-	-	-	37	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	37	-
TRANSPORT	-	-	-	-	-	-	267	-	-	382
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	267	-	-	382
OTHER	-	-	-	-	-	13	-	-	36	42
Residential	-	-	-	-	-	13	-	-	36	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	42
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Mali

2016

SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	-	-	-	-	135882	-	-	-	2578	-
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	173	-	-	-	-	-	-	-	800	-
Exports	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-
DOMESTIC SUPPLY	173	-	-	-	135882	-	-	-	3378	-
Transfers	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-	-	-	-	-	-	-	-
TRANSFORMATION	173	-	-	-	38371	-	-	-	-	-
Electricity plants	173	-	-	-	2870	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	35501	-	-	-	-	-
ENERGY IND. OWN USE	-	-	-	-	-	-	-	-	12	-
Fuel mining and extraction	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	12	-
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	307	-
FINAL CONSUMPTION	-	-	-	-	97511	-	-	-	3059	-
INDUSTRY	-	-	-	-	-	-	-	-	1163	-
Iron and steel	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-
Paper, pulp and print	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	1163	-
TRANSPORT	-	-	-	-	-	-	-	-	-	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	97511	-	-	-	1896	-
Residential	-	-	-	-	88000	-	-	-	894	-
Comm. and public services	-	-	-	-	9511	-	-	-	437	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	1	-
Non-specified	-	-	-	-	-	-	-	-	564	-
NON-ENERGY USE	-	-	-	-	-	-	-	-	-	-
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-
of which: chem./petrochem.	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Energy Data Officer/Statistician

Possible staff vacancies

International Energy Agency, Paris, France

The IEA

The International Energy Agency, based in Paris, acts as energy policy advisor to 30 member countries in their effort to ensure reliable, affordable and clean energy for their citizens. Founded during the oil crisis of 1973-74, the initial role of the IEA was to co-ordinate measures in times of oil supply emergencies. As energy markets have changed, so has the IEA. Its mandate has broadened to incorporate the “Three E’s” of balanced energy policy making: energy security, economic development and environmental protection. Current work focuses on climate change policies, market reform, energy technology collaboration and outreach to the rest of the world, especially major consumers and producers of energy like China, India, Russia and the OPEC countries.

The Energy Data Centre, with a staff of around 30 people, provides a dynamic environment for young people just finishing their studies or with one to two years of work experience.

Job description

The data officers/statisticians compile, verify and disseminate information on all aspects of energy including production, transformation and consumption of all fuels, energy efficiency indicators, CO₂ emissions, and energy prices and taxes. The data officers are responsible for the production of data sets through receiving, reviewing and inputting data submissions from member countries and other sources. They check for completeness, correct calculations, internal consistency, accuracy and consistency with definitions. Often this entails proactively investigating and helping to resolve anomalies in collaboration with national administrations. The data officers/statisticians also design and implement computer macros used in the preparation of their energy statistics publication(s) alongside analysis of the data.

Principal qualifications

- University degree in a topic relevant to energy, or statistics. We currently have staff with degrees in mathematics, statistics, information technology, economics, engineering, physics, environmental studies, etc.
- Experience in the basic use of databases and computer software. Experience in Visual Basic is an advantage.
- Ability to work accurately, pay attention to detail and work to deadlines; ability to deal simultaneously with a wide variety of tasks and to organise work efficiently.
- Good communication skills; ability to work well in a team and in a multicultural environment, particularly in liaising with contacts in national administrations and industry; ability to understand, and communicate data.
- An excellent written and oral command of English; knowledge of other languages would be an asset.
- Some knowledge of energy industry operations and terminology would also be an advantage, but is not required.

Nationals of any IEA member country are eligible for appointment. Basic salaries start at 3 300 euros per month. The possibilities for advancement are good for candidates with appropriate qualifications and experience. Tentative enquiries about future vacancies are welcomed from men and women with relevant qualifications and experience. Applications in English, accompanied by a curriculum vitae, should be sent to:

Office of Management and Administration
International Energy Agency
31-35 rue de la Fédération
75739 Paris Cedex 15, France

Online data services

Users can instantly access not only all the data published in this book, but also all the time series used for preparing this publication and all the other statistics publications of the IEA. The data are available online, either through annual subscription or pay-per-view access. More information on this service can be found on our website at <http://data.iea.org>.

Nine annual publications

■ World Energy Statistics 2018

World Energy Statistics provides comprehensive world energy statistics on all energy sources – coal, gas, oil, electricity, renewables and waste. It covers energy supply and consumption for 150 countries and regions, including all OECD countries, over 100 other key energy producing and consuming countries, as well as world totals and various regional aggregates. The book includes detailed tables by country in original units, and summary time series on production, trade, and final consumption by sector.

Published August 2018 - Price: Print €120; PDF €96

■ World Energy Balances 2018

World Energy Balances provides comprehensive energy balances for all the world's largest energy producing and consuming countries. It contains detailed data on the supply and consumption of energy for 150 countries and regions, including all OECD countries, over 100 other key energy producing and consuming countries, as well as world totals and various regional aggregates. The book includes graphs and detailed data by country for all energy sources – coal, gas, oil, electricity, renewables and waste - expressed in balance format. Alongside this, there are summary time series on production, trade, final consumption by sector, as well as key energy and economic indicators and an overview of trends in global energy production and use.

Published August 2018 - Price: Print €120; PDF €96

■ Coal Information 2018

Coal Information provides a comprehensive review of historical and current market trends in the world coal sector. It provides an overview of world coal developments covering coal production and coal reserves, coal demand by type, coal trade and coal prices. A detailed and comprehensive statistical picture of historical and current coal developments in the 35 OECD member countries, by region and individually is presented in tables and charts. Complete coal balances and coal trade data for selected years are presented on 22 major non-OECD coal-producing and -consuming countries, with summary statistics on coal supply and end-use statistics for about 40 countries and regions worldwide.

Published August 2018 - Price: Print €165; PDF €132

■ Electricity Information 2018

Electricity Information provides a comprehensive review of historical and current market trends in the OECD electricity sector. It provides an overview of the world electricity developments covering world electricity and heat production, input fuel mix, supply and consumption, and electricity imports and exports. More detail is provided for the 35 OECD countries with information covering production, installed capacity, input energy mix to electricity and heat production, consumption, electricity trades, input fuel prices and end-user electricity prices. It provides comprehensive statistical details on overall energy consumption, economic indicators, electricity and heat production by energy form and plant type, electricity imports and exports, sectoral energy and electricity consumption, as well as prices for electricity and electricity input fuels for each country and regional aggregate.

Published August 2018 - Price: Print €150; PDF €120

■ Natural Gas Information 2018

Natural Gas Information is a detailed reference work on gas supply and demand covering OECD countries and the rest of the world. The publication contains essential information on LNG and pipeline trade, gas reserves, storage capacity and prices. The main part of the book concentrates on OECD countries, showing a detailed supply and demand balance for each country and for the three OECD regions: Americas, Asia-Oceania and Europe, as well as a breakdown of gas consumption by end user. Import and export data are reported by source and destination.

Published August 2018 - Price: Print €165; PDF €132

■ Oil Information 2018

Oil Information is a comprehensive reference book on current developments in oil supply and demand. This publication contains key data on world production, trade, prices and consumption of major oil product groups, with time series back to the early 1970s. Its core consists of a detailed and comprehensive picture of oil supply, demand, trade, production and consumption by end-user for each OECD country individually and for the OECD regions. Trade data are reported extensively by origin and destination.

Published August 2018 - Price: Print €165; PDF €132

■ Renewables Information 2018

Renewables Information provides a comprehensive review of historical and current market trends in OECD countries. It provides an overview of the development of renewables and waste in the world since 1990. A greater focus is given to the OECD countries with a review of electricity generation and capacity from renewable and waste energy sources, including detailed tables. However, an overview of developments in the world and OECD renewable and waste market is also presented. The publication encompasses energy indicators, generating capacity, electricity and heat production from renewable and waste sources, as well as production and consumption of renewables and waste.

Published August 2018 - Price: Print €110; PDF €88

■ CO₂ Emissions from Fuel Combustion 2018

CO₂ Emissions from Fuel Combustion provides a full analysis of emissions stemming from energy use. The data in this book cover the emissions of CO₂ for 150 countries and regions by sector and by fuel. The publication contains estimates of CO₂ emissions, selected indicators such as CO₂/GDP, CO₂/capita and CO₂/TPES and a decomposition of CO₂ emissions into driving factors for more than 150 countries and regions. Emissions are calculated using IEA energy databases and the default methods and emission factors from the *2006 IPCC Guidelines for National Greenhouse Gas Inventories*.

Published November 2018 - Price: Print €165; PDF €132

■ Energy Efficiency Indicators Highlights 2018

Energy Efficiency Indicators Highlights is designed to help understand what drives final energy use in IEA member countries in order to improve and track national energy efficiency policies. It provides the first comprehensive selection of data that the IEA has been collecting each year after its member states recognised in 2009 the need to better monitor energy efficiency policies. The report includes country-specific analysis of end uses across the largest sectors – residential, services, industry and transport. It answers questions such as:

- What are the largest drivers for energy use trends in each country?
- Was energy saved because of efficiency progress over time?
- How much energy is used for space heating, appliances or cooking?
- What are the most energy-intensive industries?

Improving energy efficiency is a critical step for governments to take to move towards a sustainable energy system. This report highlights the key role of end-use energy data and indicators in monitoring progress in energy efficiency around the world.

Published December 2018 - Free pdf

Two quarterlies

■ Oil, Gas, Coal and Electricity

Oil, Gas, Coal and Electricity provides detailed and up-to-date quarterly statistics on oil, natural gas, coal and electricity for the OECD countries. Oil statistics cover production, trade, refinery intake and output, stock changes and consumption for crude oil, NGL and nine selected product groups. Statistics for electricity, natural gas and coal show supply and trade. Oil and coal import and export data are reported by origin and destination. Gas imports and exports data are reported by entries and exits of physical flows. Moreover, oil and coal production are reported on a worldwide basis.

Published Quarterly - Price €120, annual subscription: Print €380; PDF €304

■ Energy Prices and Taxes

Energy Prices and Taxes provides up-to-date information on prices and taxes in national and international energy markets. It contains crude oil import prices by crude stream, industry prices and consumer prices. The end-user prices for OECD member countries cover main oil products, gas, coal and electricity. Every issue includes full notes on sources and methods and a description of price and tax components in each country.

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Electronic editions

To complement its publications, the Energy Data Centre produces online data services containing the complete databases which are used for preparing the statistics publications. Built-in software allows you to access and manipulate all these data in a very user-friendly manner and includes graphic facilities.

Annual Databases

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■ Emissions Factors 2018

The *Emissions Factors* database includes a series of indicators related to emissions from electricity and heat generation for over 150 countries and regions, based on the IEA *World Energy Balances* and *CO₂ Emissions from Fuel Combustion* data. The main factors included are: CO₂, CH₄ and N₂O emissions per kWh of electricity and heat; adjustments due trade (for OECD) and to losses; emission factors by fuel for sectors other than electricity. The database is available in Excel format.

Price: €550 (single user)

■ World Energy Prices 2018

The *World Energy Prices* data service contains annual end-use energy prices for selected products and sectors for over one hundred countries in the world. Complementing the quarterly OECD *Energy Prices and Taxes*, the world database focuses on prices for gasoline and diesel for transport; as well as electricity for households and industry.

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■ Energy Prices & Taxes and World Energy Prices package

This service is a package containing both the *Energy Prices and Taxes* and *World Energy Prices* online data services offered at a reduced rate.

Price: €1 100 (single user)

Detailed descriptions of all these data services are available on our website at <http://data.iea.org>.

■ The Monthly Oil Data Service

The *Monthly Oil Data Service* provides the detailed databases of historical and projected information which is used in preparing the IEA's monthly *Oil Market Report* (OMR). The *Monthly Oil Data Service* is available as an annual subscription and includes twelve monthly updates. The service comprises three packages available separately or combined. The data are released on the same day as the official release of the *Oil Market Report*.

The packages include:

- | | |
|---------------------------------------|------------------------------------|
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■ The Monthly Gas Data Service

The *Monthly Gas Data Service* provides the following monthly natural gas data for OECD countries:

- Supply balances in terajoules and cubic metres;
- Production, trade, stock changes and levels where available, gross inland deliveries, own use and losses;
- Highly detailed trade data with about 50 import origins and export destinations;
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- From 2011 onwards, transit volumes are included and trade data corresponds to entries/exits.

The databases cover the time period January 1984 to current month with a time lag of two months for the most recent data.

Price: €800 (single user)

For more information consult www.iea.org/statistics/mgds.

Moreover, the IEA statistics website contains a wealth of free statistics covering oil, natural gas, coal, electricity, renewables, energy-related CO₂ emissions and more for 150 countries and regions and historic data for the last 20 years. It also contains Sankey flows to enable users to explore visually how a country's energy balance shifts over up to 40 years, starting with production and continuing through transformation to see important changes in supply mix or share of consumption. The IEA Energy Atlas offers panoramas on every aspect of energy on a global basis and for 150 individual countries, with interactive maps and customisable charts that detail and compare a host of data based on the Agency's authoritative statistics. The website also includes free headline energy data in excel format for all OECD countries and global regions from 1971 onwards as well as for Association countries from 1990 onwards.

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In the companion publication *World Energy Balances*, data are presented as comprehensive energy balances expressed in energy units.

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