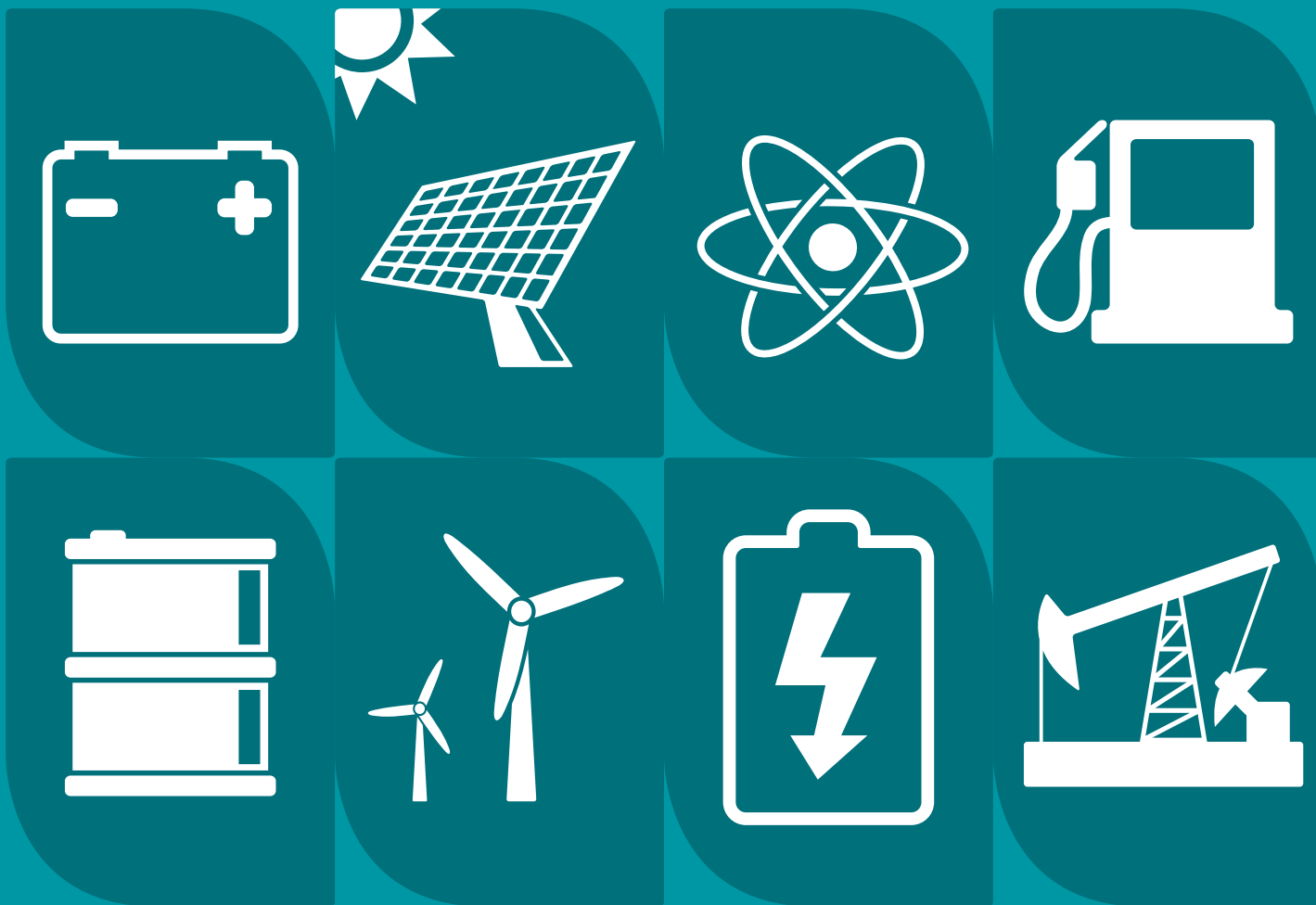


2017

Energy Statistics

Yearbook



2017 Energy Statistics Yearbook



The Department of Economic and Social Affairs of the United Nations Secretariat is a vital interface between global policies in the economic, social and environmental spheres and national action. The Department works in three main interlinked areas: (i) it compiles, generates and analyses a wide range of economic, social and environmental data and information on which States Members of the United Nations draw to review common problems and to take stock of policy options; (ii) it facilitates the negotiations of Member States in many intergovernmental bodies on joint courses of action to address ongoing or emerging global challenges; and (iii) it advises interested Governments on the ways and means of translating policy frameworks developed in United Nations conferences and summits into programmes at the country level and, through technical assistance, helps build national capacities.

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Statistics compiled as of February 2020

INTRODUCTION

The *Energy Statistics Yearbook 2017* is a comprehensive collection of international energy statistics prepared by the United Nations Statistics Division. It is the sixty-first in a series of annual compilations which commenced under the title *World Energy Supplies in Selected Years, 1929-1950*.¹ It updates the statistical series shown in the previous issue. Supplementary series of monthly data on production of energy may be found in the *Monthly Bulletin of Statistics*.²

The principal objective of the *Yearbook* is to provide a global framework of comparable data on long-term trends in the supply of both primary and secondary forms of energy. Data for each energy product and aggregated data for the total energy supply are shown for individual countries and territories, and are summarized into regional and world totals. The data are compiled primarily from the annual energy questionnaire distributed by the United Nations Statistics Division and supplemented by official national statistical publications, as well as publications from international and regional organizations. Where official data are not available or are inconsistent, estimates are made by the Statistics Division based on governmental, professional or commercial materials. Estimates include, but are not limited to, extrapolated data based on partial year information, use of annual trends, trade data based on partner country reports, breakdowns of aggregated data and analysis of current energy events.

This issue of the *Yearbook* contains data in original and common energy units (tons of coal equivalent and joules) for the years 2014-2017.³

This publication presents energy statistics consistent with the International Recommendations for Energy Statistics (IRES), which were endorsed by the United Nations Statistical Commission in 2011. IRES contains the Standard International Energy Product Classification (SIEC), the first definitive standard classification for energy products. It has been built on a set of internationally harmonized definitions of energy products developed by the Intersecretariat Working Group on Energy Statistics (InterEnerStat) as mandated by the United Nations Statistical Commission. The adoption of SIEC as an international standard classification for energy

products represents a significant step forward for energy statistics at the international level. SIEC not only provides a unified set of product definitions, but also uses a standard coding scheme, a common hierarchy of categories, and provides links to other internationally agreed product classifications, such as the Central Product Classification (CPC) and the Harmonized Commodity Description and Coding System (HS).

Within this methodological framework:

- a) Table 1 shows a more historical perspective of total energy supply, with data for selected years going back to 1990.
- b) Table 2 provides more detail on the components of total energy supply, namely primary production (broken down by type), trade, international bunkers and stock changes. Total energy supply is also shown on a per capita basis.
- c) Table 3 provides more detail on total final consumption of energy products, broken down by consuming sector (including non-energy use), and also shows total final consumption per capita.

Prior to the 2012 edition, this publication contained a table 4 which contrasted with the first three tables of the former publication in grouping together both “commercial” and “non-commercial” energy. This distinction assumed that energy products such as biomass are not bought and sold, but rather collected and consumed with no commercial transaction. While this can often be the case, this distinction is somewhat arbitrary and not necessarily relevant for measuring national or global energy use patterns. IRES therefore makes no distinction between commercial and non-commercial energy for presentational purposes (although they may of course be collected differently), and so they are included together.

By referring to previous volumes of the publication, time series can be established from 1950 to the present for the shown products. In addition to the basic tables showing production, trade, stock changes, international bunkers, supply and consumption, information is included on various other topics such as:

¹Statistical Papers, Series J, No. 1 (United Nations publication, Sales No. 1952.XVII.3).

²Statistical Papers, Series Q, *Monthly Bulletin of Statistics*,

(United Nations publication).

³Table 1 shows data back to 1990 to give a more historical perspective.

(a) The principal importers and exporters of hard coal, crude oil and natural gas for the years 2016 and 2017;

(b) The capacity of oil refineries and electricity generating plants by type;

(c) The ratio of crude oil and natural gas liquids reserves to crude oil and natural gas liquids production (R/P ratio);

(d) The electricity generated from different sources (including both electricity-only and combined heat and power (CHP) plants) such as from combustible fuels, nuclear, hydro, wind, and solar;

(e) The heat produced (from both heat-only and CHP plants) from combustible fuels, geothermal, solar thermal, nuclear, chemical heat, heat pumps and electric boilers, and direct use of solar thermal and geothermal.

The information contained in the *Yearbook* is also available in electronic format⁴. Requests for information should be directed to United Nations Publications at: order@un.org.

Acknowledgement is due to the following specialized and intergovernmental agencies

whose publications have been utilized in supplementing our statistics: African Energy Commission (AFREC), Asia-Pacific Economic Cooperation (APEC), Food and Agriculture Organization of the United Nations (FAO), International Atomic Energy Agency (IAEA), International Energy Agency of the Organisation for Economic Co-operation and Development (IEA/OECD), International Renewable Energy Agency (IRENA), International Sugar Organization (ISO), Organization of Arab Petroleum Exporting Countries (OAPEC), Organization of the Petroleum Exporting Countries (OPEC), Organización Latinoamericana de Energía (OLADE), Statistical Office of the European Union (Eurostat), World Energy Council (WEC). Acknowledgement is also made to governmental, energy and statistical authorities of the Member States which have been cooperative in providing data.

The annual energy data are being collected and processed by the Energy Statistics Section of UNSD, headed by Mr. Leonardo Souza. The processing of the energy data and preparation for publication was carried out by Ms. Agnieszka Koscielniak, Ms. Costanza Giovannelli, Ms. Peng Guo and Mr. Graham Osborn.

Enquiries, comments and suggestions for improving this publication are welcome and should be addressed to: energy_stat@un.org.

⁴ unstats.un.org/unsd/energystats/pubs/yearbook/

ABBREVIATIONS AND SYMBOLS

The following symbols and abbreviations have been used:

cSt	centistoke
m ³	cubic metre
°C	degree Celsius
GJ	gigajoule (10 ⁹ joules)
GWh	gigawatt-hour (10 ⁶ kWh)
IRES	International Recommendations for Energy Statistics
kcal	kilocalorie
kg	kilogramme
kg/cm ²	kilogramme per square centimetre
kJ	kilojoule (10 ³ joules)
kWh	kilowatt-hour
LPG	liquefied petroleum gas
mg/g	milligramme per gramme
MJ	megajoule (10 ⁶ joules)
MW	megawatt
NGL	natural gas liquids
PJ	petajoule (10 ¹⁵ joules)
t	metric ton
TCE	ton of coal equivalent
TJ	terajoule (10 ¹² joules)
*	estimate by the United Nations Statistics Division
..	data not applicable or not available

ENERGY PRODUCT DEFINITIONS

This section provides definitions of energy products utilized in the publication. These definitions correspond to SIEC and as such, some definitions have changed since the 2011 edition of the Yearbook. The nature of these definition changes is often cosmetic in nature, with wording differences outnumbering true methodological differences. However, some historical data were revised to reflect changes in definition.

Some tables may include names or concepts not included in these product definitions. See the specific table's notes for how its product definitions relate to SIEC definitions.

SOLID FOSSIL FUELS

Hard coal – Coals with a gross calorific value (moist, ash-free basis) which is not less than 24 MJ/kg or which is less than 24 MJ/kg provided that the coal has a vitrinite mean random reflectance greater than or equal to 0.6 per cent. Hard coal comprises anthracite and bituminous coals.

Brown coal – Coals with a gross calorific value (moist, ash-free basis) less than 24 MJ/kg and a vitrinite mean random reflectance less than 0.6 per cent. Brown coal comprises sub-bituminous coal and lignite.

Peat – A solid fuel formed from the partial decomposition of dead vegetation under conditions of high humidity and limited air access (initial stage of coalification). It is available in two forms for use as a fuel, sod peat and milled peat. Only peat used as fuel is included.

Patent fuel – A composition fuel made by moulding hard coal fines into briquette shapes with the addition of a binding agent such as pitch.

Brown coal briquettes – A composition fuel made of brown coal produced by briquetting under high pressure with or without the addition of a binding agent. Either sub-bituminous coal or lignite may be used, including dried lignite fines and dust.

Peat products – This includes products such as peat briquettes derived directly or indirectly from sod peat and milled peat.

Coal coke – This group includes the solid, cellular, infusible material remaining after the carbonisation of certain coals. Various cokes are defined according to the type of coal carbonised and their conditions of carbonisation or use: coke oven coke, gas coke, coke breeze and semi cokes. For collection purposes coke breeze and semi cokes are included with coke oven coke.

Coal tar – The liquid by-product of the carbonization of coal in coke ovens. Coal tar may be separated by distillation into several liquid products which may be used for pharmaceutical or wood preservative purposes.

Other coal products – coal products not elsewhere specified (if any).

Oil shale – A sedimentary rock which contains organic matter in the form of kerogen. Kerogen is a waxy hydrocarbon-rich material regarded as a precursor of petroleum. Oil shale may be burned directly or processed by heating to extract shale oil. Note that this product was formerly included under Lignite by the IEA.

LIQUID FOSSIL FUELS

Conventional crude oil – A mineral oil of fossil origin extracted by conventional means from underground reservoirs, and comprises liquid or near-liquid hydrocarbons and associated impurities such as sulphur and metals. Conventional crude oil exists in the liquid phase under normal surface temperature and pressure, and usually flows to the surface under the pressure of the reservoir. This is termed “conventional” extraction. Crude oil includes condensate from condensate fields, and “field” or “lease” condensate extracted with the crude oil.

The various crude oils may be classified according to their sulphur content (“sweet” or “sour”) and API gravity (“heavy” or “light”). There are no rigorous specifications for the classifications but a heavy crude oil may be assumed to have an API gravity of less than 20° and a sweet crude oil may be assumed to have less than 0.5% sulphur content. For simplicity, this publication often refers to conventional crude oil as simply crude oil.

Natural gas liquids (NGL) – Natural gas liquids are a mixture of ethane, propane, butane (normal and iso), (iso) pentane and a few higher alkanes collectively referred to as pentanes plus.

NGL are produced in association with oil or natural gas. They are removed in field facilities or gas separation plants before sale of the gas. All of the components of NGL except ethane are either liquid at the surface or are liquefied for disposal.

The definition given above is the most commonly used. However, there is some use of terms based on the vapour pressure of the components which are liquid at the surface or can be easily liquefied. The three resulting groups are in order of increasing vapour pressure: condensates, natural gasoline and liquefied petroleum gas.

NGL may be distilled with crude oil in refineries, blended with refined oil products or used directly. NGL differs from LNG (liquefied natural gas) which is obtained by liquefying natural gas from which the NGL has been removed.

Additives and oxygenates – Compounds added to or blended with oil products to modify their properties (octane, cetane, cold properties, etc.). Examples are: (a) oxygenates such as alcohols (methanol, ethanol) and ethers [MTBE (methyl tertiary butyl ether), ETBE (ethyl tertiary butyl ether), TAME (tertiary amyl methyl ether)]; (b) esters (e.g., rapeseed or dimethylester, etc.); and (c) chemical compounds (such as TML, TEL and detergents). Some additives/oxygenates may be derived from biomass while others may be of fossil hydrocarbon origin.

Other hydrocarbons – This includes non-conventional oils and hydrogen. Non-conventional oils refer to oils obtained by non-conventional production techniques, that is oils which are extracted from reservoirs containing extra heavy oils or oil sands which need heating or treatment (e.g., emulsification) in situ before they can be brought to the surface for refining/processing. They also include the oils extracted from oil sands, extra heavy oils, coal and oil shale which are at, or can be brought to, the surface without treatment and require processing after mining (ex situ processing). Non-conventional oils may also be produced from natural gas.

The oils may be divided into two groups: (i) oils for transformation (e.g., synthetic crudes extracted

from extra heavy oils, oil sands, coal and oil shale); and (ii) oils for direct use (e.g., emulsified oils such as orimulsion and GTL liquids).

Oil products – Products obtained from crude oil, non-conventional oils or gases from oil and gas fields. They may be produced through the refining of conventional crude and non-conventional oils or during the separation of natural gas from gases extracted from oil or gas fields. This category includes Aviation gasoline, Motor gasoline, Gasoline-type jet fuel, Kerosene-type jet fuel, Other kerosene, Gas/diesel oil, Fuel oil, LPG, Feedstocks, Naphtha, White spirit and SBP, Lubricants, Bitumen, Paraffin waxes, Petroleum coke, Refinery gas, Ethane, and Other oil products.

Aviation gasoline – Gasoline prepared especially for aviation piston engines with additives which assure performance under flight conditions. Aviation gasolines are predominantly alkylates (obtained by combining C4 and C5 isoparaffins with C3, C4 and C5 olefins) with the possible addition of more aromatic components including toluene. The distillation range is 25°C to 170°C.

Motor gasoline – A mixture of some aromatics (e.g., benzene and toluene) and aliphatic hydrocarbons in the C5 to C12 range. The distillation range is 25°C to 220°C.

Additives are blended to improve octane rating, improve combustion performance, reduce oxidation during storage, maintain cleanliness of the engine and improve capture of pollutants by catalytic converters in the exhaust system. Motor gasoline may also contain biogasoline products when blended.

Gasoline-type jet fuel – Light hydrocarbons for use in aviation turbine power units, distilling between 100°C and 250°C. They are obtained by blending kerosene and gasoline or naphtha in such a way that the aromatic content does not exceed 25 per cent in volume, and the vapour pressure is between 13.7 kPa and 20.6 kPa. Gasoline-type jet fuel is also known as “aviation turbine fuel”.

Kerosene: Mixtures of hydrocarbons in the range C9 to C16 and distilling over the temperature interval 145°C to 300°C, but not usually above 250°C and with a flash point above 38°C.

The chemical compositions of kerosenes depend on the nature of the crude oils from which they are derived and the refinery processes that they have undergone. Kerosenes obtained from crude oil by atmospheric distillation are known as straight-run kerosenes. Such streams may be treated by a variety of processes to produce kerosenes that are acceptable for blending as jet fuels.

Kerosenes are primarily used as jet fuels. They are also used as domestic heating and cooking fuels, and as solvents. Kerosenes may include components or additives derived from biomass when blended.

Kerosene-type jet fuel – A blend of kerosenes suited to flight conditions with particular specifications, such as freezing point.

The specifications are set down by a small number of national standards committees, most notably ASTM (U.S.), MOD (UK), GOST (Russia).

Other kerosene – Kerosene which is used for heating, cooking, lighting, solvents and internal combustion engines. Other names for this product are burning oil, vaporizing oil, power kerosene and illuminating oil.

Gas oil/diesel oil – Gas oils are middle distillates, predominantly of carbon number range C11 to C25 and with a distillation range of 160°C to 420°C. The principal marketed products are fuels for diesel engines (diesel oil), heating oils and marine fuel. Gas oils are also used as middle distillate feedstock for the petrochemical industry and as solvents. Also included here is heavy gasoil, which is a mixture of predominantly gas oil and fuel oil which distills in the range of approximately 380°C to 540°C.

Fuel oil – Comprises residual fuel oil and heavy fuel oil. Residual fuel oils have a distillation range of 350°C to 650°C and a kinematic viscosity in the range 6 to 55 cSt at 100°C. Their flash point is always above 60°C and their specific gravity is above 0.95. Heavy fuel oil is a general term describing a blended product based on the residues from various refinery processes. Other names commonly used to describe fuel oil include: bunker fuel, bunker C, fuel oil No. 6, industrial fuel oil, marine fuel oil and black oil.

Residual and heavy fuel oil are used in medium to large industrial plants, marine applications and power stations in combustion

equipment such as boilers, furnaces and diesel engines. Residual fuel oil is also used as fuel within the refinery.

Liquefied petroleum gases (LPG) – LPG refers to liquefied propane (C₃H₈) and butane (C₄H₁₀) or mixtures of both. Commercial grades are usually mixtures of the gases with small amounts of propylene, butylene, isobutene and isobutylene stored under pressure in containers.

The mixture of propane and butane used varies according to purpose and season of the year. The gases may be extracted from natural gas at gas separation plants or at plants re-gasifying imported liquefied natural gas. They are also obtained during the refining of crude oil. LPG may be used for heating and as a vehicle fuel.

See also the definition for natural gas liquids. Certain oil field practices also use the term LPG to describe the high vapour pressure components of natural gas liquids.

Ethane – A naturally straight-chain hydrocarbon (C₂H₆). Ethane is obtained at gas separation plants or from the refining of crude oil. It is a valuable feedstock for petrochemical manufacture.

Refinery gas – Includes a mixture of non-condensable 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 or from nearby petrochemical plants. It is used mainly as a fuel within the refinery.

Feedstocks – This includes refinery feedstocks, i.e. oils or gases from crude oil refining or the processing of hydrocarbons in the petrochemical industry which are destined for further processing in the refinery excluding blending. Typical feedstocks include naphthas, middle distillates, pyrolysis gasoline and heavy oils from vacuum distillation and petrochemical plants.

Naphtha – Light or medium oils distilling between 30°C and 210°C which do not meet the specification for motor gasoline. Different naphthas are distinguished by their density and the content of paraffins, isoparaffins, olefins, naphthenes and aromatics. The main uses for naphthas are as feedstock for high octane gasolines and the manufacture of olefins in the petrochemical industry.

White spirit and SBP industrial spirits –

White spirit and special boiling point industrial spirits (SBP) are refined distillate intermediates with a distillation in the naphtha/kerosene range. They are mainly used for non-fuel purposes and sub-divided as: (a) white spirit - an industrial spirit with a flash point above 30°C and a distillation range of 135°C to 200°C; and (b) industrial spirit (SBP) - light oils distilling between 30°C and 200°C.

There are 7 or 8 grades of industrial spirits, depending on the position of the cut in the distillation range. The grades are defined according to the temperature difference between the 5 per cent and 90 per cent volume distillation points (which is not more than 60°C). White spirit and Industrial spirits are mostly used as thinners and solvents.

Lubricants – Oils, produced from crude oil, for which the principal use is to reduce friction between sliding surfaces and during metal cutting operations.

Lubricant base stocks are obtained from vacuum distillates which result from further distillation of the residue from atmospheric distillation of crude oil. The lubricant base stocks are then further processed to produce lubricants with the desired properties.

Bitumen – A solid, semi-solid or viscous hydrocarbon with a colloidal structure, being brown to black in color. It is obtained as a residue in the distillation of crude oil and by vacuum distillation of oil residues from atmospheric distillation. It should not be confused with the non-conventional primary extra heavy oils which may also be referred to as bitumen.

In addition to its major use for road pavements, bitumen is also used as an adhesive, a waterproofing agent for roof coverings and as a binder in the manufacture of patent fuel. It may also be used for electricity generation in specially designed power plants.

Bitumen is also known in some countries as asphalt but in others asphalt describes the mixture of bitumen and stone aggregate used for road pavements.

Paraffin waxes – Residues extracted when dewaxing lubricant oils. The waxes have a crystalline structure which varies in fineness according to the grade, and are colourless,

odourless and translucent, with a melting point above 45°C.

Paraffin waxes are also known as “petroleum waxes”.

Petroleum coke – Petroleum coke is a black solid obtained mainly by cracking and carbonizing heavy hydrocarbon oils, tars and pitches. It consists mainly of carbon (90 to 95 per cent) and has a low ash content.

The two most important categories are "green coke" and "calcined coke".

Green coke (raw coke) is the primary solid carbonization product from high boiling hydrocarbon fractions obtained at temperatures below 630°C. It contains 4-15 per cent by weight of matter that can be released as volatiles during subsequent heat treatment at temperatures up to approximately 1330°C.

Calcined coke is a petroleum coke or coal-derived pitch coke obtained by heat treatment of green coke to about 1330°C. It will normally have a hydrogen content of less than 0.1 per cent by weight.

In many catalytic operations (e.g., catalytic cracking) carbon or catalytic coke is deposited on the catalyst, thus deactivating it. The catalyst is reactivated by burning off the coke which is used as a fuel in the refining process. The coke is not recoverable in a concentrated form.

Other oil products – Products (including partly refined products) from the refining of crude oil and feedstocks which are not specified above. These products will include basic chemicals and organic chemicals destined for use within the refinery or for sale to or processing in the chemical industry such as propylene, benzene, toluene and xylene.

GASEOUS FOSSIL FUELS

Natural gas – A mixture of gaseous hydrocarbons, primarily methane, but generally also including ethane, propane and higher hydrocarbons in much smaller amounts and some non-combustible gases such as nitrogen and carbon dioxide.

The majority of natural gas is separated from both "non-associated" gas originating from fields producing hydrocarbons only in gaseous form, and "associated" gas produced in association with crude oil.

The separation process produces natural gas by removing or reducing the hydrocarbons other than methane to levels which are acceptable in the marketable gas. The natural gas liquids (NGL) removed in the process are distributed separately.

Natural gas also includes methane recovered from coal mines (colliery gas) or from coal seams (coal seam gas) and shale gas. When distributed it may also contain methane from anaerobic fermentation or the methanation of biomass.

Natural gas may be liquefied (LNG) by reducing its temperature in order to simplify storage and transportation when production sites are remote from centres of consumption and pipeline transportation is not economically practicable.

Gas works gas (and other manufactured gases for distribution) – This includes gases obtained from the carbonisation or gasification of carbonaceous material of fossil or biomass origins in Gas Works. The gases comprise: (a) gases obtained from carbonisation or gasification of coals, cokes, biomass or waste; and (b) substitute natural gas (a methane-rich gas) made from synthesis gas.

Synthesis gas is a mixture of mainly hydrogen and carbon monoxide obtained by cracking hydrocarbons with high temperature steam.

Coke oven gas – A gas produced from coke ovens during the manufacture of coke oven coke.

Blast furnace gas – The by-product gas of blast furnace operation consisting mainly of nitrogen, carbon dioxide and carbon monoxide. The gas is recovered as it leaves the furnace. Its calorific value arises mainly from the carbon monoxide produced by the partial combustion of coke and other carbon bearing products in the blast furnace. It is used to heat blast air and as a fuel in the iron and steel industry. It may also be used by other nearby industrial plants. Note that where carbonised biomass (e.g, charcoal or animal meal) is used in blast furnaces, part of the carbon supply may be considered renewable.

Other recovered gases - Combustible gases of solid carbonaceous origin recovered from manufacturing and chemical processes not elsewhere defined. Examples of fuel gas production from metals and chemicals processing are in the production of zinc, tin, lead, ferroalloys, phosphorus and silicon carbide.

BIOFUELS AND WASTE

Fuelwood, wood residues and by-products – Fuelwood or firewood (in log, brushwood, pellet or chip form) obtained from natural or managed forests or isolated trees. Also included are wood residues used as fuel and in which the original composition of wood is retained. Charcoal and black liquor are excluded.

Bagasse – The fuel obtained from the fibre which remains after juice extraction in sugar cane processing. It is often used as a fuel within the sugar milling industry.

Charcoal – The solid residue from the carbonisation of wood or other vegetal matter through slow pyrolysis.

Animal waste – Excreta of animals, meat and fish residues which, when dry, are used directly as a fuel.

This excludes waste used in anaerobic fermentation plants. Fuel gases from these plants are included under biogases.

Vegetal waste – Refers to SIEC's 'Other vegetal materials and residues', which are solid primary biofuels not specified elsewhere, including straw, vegetable husks, ground nut shells, pruning brushwood, olive pomace and other wastes arising from the maintenance, cropping and processing of plants.

Municipal waste – Household waste and waste from companies and public services that resembles household waste and which is collected at installations specifically designed for the disposal of mixed wastes with recovery of combustible liquids, gases or heat.

Municipal wastes can be divided into renewable and non-renewable fractions.

Industrial waste – Non-renewable waste which is combusted with heat recovery in plants other than those used for the incineration of municipal waste.

Examples are used tires, specific residues from the chemical industry and hazardous wastes from health care. Combustion includes co-firing with other fuels.

The renewable portions of industrial waste combusted with heat recovery are classified according to the biofuels which best describe them.

Black liquor – The alkaline-spent liquor obtained from the digesters during the production of sulphate or soda pulp required for paper manufacture. The lignin contained in the liquor burns to release heat when the concentrated liquor is sprayed into a recovery furnace and heated with hot gases at 900°C. Black liquor is used as a fuel in the pulping process.

Biogasoline – Liquid fuels derived from biomass and used in spark-ignition internal combustion engines.

Common examples are: bioethanol (including both hydrous and anhydrous ethanol); biomethanol; biobutanol; bio ETBE (ethyl-tertio-butyl-ether); and bio MTBE (methyl-tertio-butyl-ether). Biogasoline may be blended with petroleum gasoline or used directly in engines. The blending may take place in refineries or at or near the point of sale.

Biodiesels – Liquid biofuels derived from biomass and used in diesel engines.

Biodiesels obtained by chemical modification are a linear alkyl ester made by transesterification of vegetable oils or animal fats with methanol. The transesterification distinguishes biodiesel from straight vegetable and waste oils. Biodiesel has a flash point of around 150°C and a density of about 0.88 kg/litre. Biological sources of biodiesel include, but are not limited to, vegetable oils made from canola (rapeseed), soybeans, corn, oil palm, peanut or sunflower. Some liquid biofuels (straight vegetable oils) may be used without chemical modification and their use usually requires modification of the engine.

A further category of diesel fuels can be produced by a range of thermal processes

(including for example gasification followed by Fischer Tropsch synthesis, pyrolysis followed by hydrogenation, or conversion of sugar to hydrocarbons using microorganisms (e.g. yeast)). A wide range of biomass feedstocks, including cellulosic materials and algal biomass could be used in such processes.

Biodiesels may be blended with petroleum diesel or used directly in diesel engines.

Bio jet kerosene – Liquid biofuels derived from biomass and blended with or replacing jet kerosene. Bio jet kerosene can be produced by a range of thermal processes (including for example gasification followed by Fischer-Tropsch synthesis, pyrolysis followed by hydrogenation, or conversion of sugar to hydrocarbons using microorganisms (e.g. yeast)). A wide range of biomass feedstocks, including cellulosic materials and algal biomass could be used in such processes.

Other liquid biofuels – Includes liquid biofuels not elsewhere specified.

Biogases – 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.

The gases are divided into two groups according to their production: biogases from anaerobic fermentation and biogases from thermal processes.

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

ELECTRICITY AND HEAT

Electricity –The transfer of energy through the physical phenomena involving electric charges and their effects when at rest and in motion.

Electricity can be generated through different processes such as: the conversion of energy contained in falling or streaming water, wind or waves; the direct conversion of solar radiation through photovoltaic processes in semiconductor devices (solar cells); or by the combustion of fuels.

Electricity production in this Yearbook refers to gross production, which is the sum of the electrical energy production by all the generating units/installations concerned (including pumped storage) measured at the output terminals of the main generators.

Editorial note: as of the 2012 edition of the Yearbook, Table 1 changed in scope as described in the introduction. The total energy supply figure is now consistent with energy balances as defined within IRES and published in the *Energy Balances and Electricity Profiles*⁵ that are complementary to this publication. As such, see the changes in presentation for electricity from non-combustible fuels described below under General Notes.

Primary electricity refers to electrical energy from hydro, solar photovoltaics, wind, tide, wave and ocean sources.

Secondary electricity is defined as electricity derived from a product already accounted for within energy statistics. This includes electricity generated from combustible fuels, in addition to electricity coming from solar heat, nuclear heat, geothermal heat and heat from chemical sources.

Main activity producers – These are enterprises which produce electricity or heat as their principal activity. Formerly known as public utilities, these enterprises may be privately or publicly owned companies.

Autoproducers (electricity) – These are enterprises which produce electricity but for whom the production is not their principal activity.

Autoproducers (heat) – These are enterprises which produce heat for sale but for whom the production is not their principal activity. Deliveries of fuels for heat generated by an establishment for its own purposes are classified within the part of final consumption where they are consumed, and not as transformation inputs.

Heat – The energy obtained from the translational, rotational and vibrational motion of the constituents of matter, as well as changes in its physical state.

Heat can be produced by different production processes, both primary and secondary. It is usually sold in the form of steam or hot water, and for the purposes of energy statistics it is important to note that heat only represents quantities of energy for sale (or generated and consumed directly by direct use of solar thermal or geothermal). This means that any quantities “generated” at an end-use site (for example through the combustion of coal to power a boiler, or an electric filament heating a kettle) are not considered within the scope of heat production.

In Tables 1 and 2, which follow energy balance methodology, the heat column includes primary heat from sources such as nuclear, solar thermal and geothermal which are used to generate electricity. These quantities are not taken into account in Table 34.

Uranium production – Comprises the U content of uranium ores and concentrates intended for treatment for uranium recovery.

⁵ Statistical Papers, Series W (United Nations publication).

ENERGY FLOW DEFINITIONS

Production is defined as the capture, extraction or manufacture of fuels or energy in forms which are ready for general use. In energy statistics, two types of production are distinguished, primary and secondary.

Primary production is the capture or extraction of fuels or energy from natural energy flows, the biosphere and natural reserves of fossil fuels within the national territory in a form suitable for use. Inert matter removed from the extracted fuels and quantities reinjected, flared or vented are not included. The resulting products are referred to as “primary” products.

Secondary production is the manufacture of energy products through the process of transformation of primary fuels or energy. The quantities of secondary fuels reported as production include quantities lost through venting and flaring during and after production. In this manner, the mass, energy and carbon within the primary source(s) from which the fuels are manufactured may be balanced against the secondary fuels produced. Fuels, electricity and heat produced are usually sold but may be partly or entirely consumed by the producer (but see the definition of autoproducer heat plants for an important exception.)

When considering complete energy balances (such as in Table 1, where total energy supply is displayed), or indeed adding together a mix of primary and secondary fuels (like Table 4), the distinction between primary and secondary production is crucial. Within a complete energy balance (or a coal table showing both primary and secondary energy), only primary energy is shown to avoid double counting of quantities transformed into secondary products. For the product-specific tables however, this distinction is not necessary as double counting does not apply, and so primary and/or secondary production is included under production to give a complete idea of the “supply” of that product. See individual table notes for details.

Imports of energy products comprise all fuel and other energy products entering the national territory. Goods simply being transported through a country (goods in transit) and goods temporarily admitted are excluded but re-imports, which are domestic goods exported but subsequently

readmitted, are included. The bunkering of fuel outside the reference territory by national merchant ships and civil aircraft engaged in international travel is excluded from imports. Fuels delivered to national merchant ships and civil aircraft which are outside of the national territory and are engaged in international travel should be classified as “International Marine” or “Aviation Bunkers”, respectively, in the country where such bunkering is carried out. Note that the “country of origin” of energy products should be recorded as a country from which goods were imported.

Exports of energy products comprise all fuel and other energy products leaving the national territory with the exception that exports exclude quantities of fuels delivered for use by merchant (including passenger) ships and civil aircraft, of all nationalities, during international transport of goods and passengers. Goods simply being transported through a country (goods in transit) and goods temporarily withdrawn are excluded but re-exports, foreign goods exported in the same state as previously imported, are included. Fuels delivered to foreign merchant ships and civil aircraft engaged in international travel are classified as “International Marine” or “Aviation Bunkers”, respectively. Note that “country of destination” of energy products (that is country of the last known destination as it is known at the time of exportation) should be recorded as a country to which these products are exported to.

For electricity, trade data include “goods in transit”, i.e. electricity transmitted through the country from one neighbour to another, as there is no practical way of discerning which quantities are re-exported and which are consumed by the transit country.

International Marine Bunkers are quantities of fuels delivered to merchant (including passenger) ships, of any nationality, for consumption during international voyages transporting goods or passengers. International voyages take place when the ports of departure and arrival are in different national territories. Fuels delivered for consumption by ships during domestic transportation, fishing or military uses are not included here. For the purposes of energy statistics International Marine Bunkers are not included in exports.

International Aviation Bunkers are quantities of fuels delivered to civil aircraft, of any nationality, for consumption during international flights transporting goods or passengers. International flights take place when the ports of departure and arrival are in different national territories. Fuels delivered for consumption by aircraft undertaking domestic or military flights are not included here. For the purposes of energy statistics International Aviation Bunkers are not included in exports.

Stocks – For the purposes of energy statistics, stocks are quantities of energy products that are held on the national territory and can be used to: (a) maintain service under conditions where supply and demand are variable in their timing or amount due to normal market fluctuations, or (b) supplement supply in the case of a supply disruption. Stocks used to manage a supply disruption may be called "strategic" or "emergency" stocks and are often held separately from stocks designed to meet normal market fluctuations. **Stock changes** are defined as the increase (stock build) or decrease (stock draw) in the quantity of stock over the reporting period and are thus calculated as the difference between the

closing and opening stocks.

Energy supply – is defined as energy production plus imports minus exports minus international marine bunkers minus international aviation bunkers minus stock changes. Depending on the table in this Yearbook, production can refer to either primary, secondary, or both primary and secondary production (see the note under production above).

Energy industries own use refers to consumption of fuels and energy for the direct support of the production, and preparation for use of fuels and energy. Quantities of fuels which are transformed into other fuels or energy are not included here but within the transformation use. Neither are quantities which are used within parts of the energy industry not directly involved in the activities listed in the definition. These quantities are reported within final consumption.

Final Consumption refers to all fuel and energy that is delivered to users for both their energy and non-energy uses which do not involve a transformation process.

CAPACITIES AND OTHER DEFINITIONS

CAPACITIES

Refinery capacity is the theoretical maximum capacity of crude oil refineries available for operation at the end of the reference year.

Net maximum electrical capacity is the maximum active power that can be supplied continuously, with all plants running, at the point of outlet (i.e., after taking the power supplies for the station auxiliaries and allowing for the losses in those transformers considered integral to the station). This assumes no restriction of interconnection to the network. Does not include overload capacity that can only be sustained for a short period of time (e.g., internal combustion engines momentarily running above their rated capacity). The net maximum electricity-generating capacity represents the sum of all individual plants' maximum capacities available to run continuously throughout a prolonged period of operation in a day. For annual data, the net maximum electrical capacity is considered as measured at the end of the reference year.

ENERGY RESOURCES AND RESERVES⁶

Hard Coal, Brown coal and Peat

Proved amount in place is the resource remaining in known deposits that has been carefully measured and assessed as exploitable under present and expected local economic conditions with existing available technology.

Proved recoverable reserves are the tonnage within the proved amount in place that can be recovered in the future under present and expected local economic conditions with existing available technology.

Estimated additional amount in place is the indicated and inferred tonnage additional to the proved amount in place that is of foreseeable economic interest. It includes estimates of amounts which could exist in unexplored extensions of known deposits or in undiscovered deposits in known coal-bearing areas, as well as amounts inferred through knowledge of

favourable geological conditions. Speculative amounts are not included.

Crude Oil and Natural Gas Liquids

Proved recoverable reserves are the quantity within the proved amount in place that can be recovered in the future under present and expected local economic conditions with existing available technology. Proved amount in place is the resource remaining in known natural reservoirs that has been carefully measured and assessed as exploitable under present and expected local economic conditions with existing available technology.

The **ratio of crude oil reserves to production (R/P ratio)** is used to show the length of time those reserves would last in years if production continued at the then-current level and there were no further increases in the proved recoverable reserves. The ratio is calculated by dividing the proved recoverable crude oil and NGL reserves (which for the most part refer to reserves at the end of 2014) by the production. These R/P ratios should be viewed with caution. The definition used for proved recoverable reserves is very restrictive and confined to those known reserves which can be recovered with reasonable certainty under existing economic conditions. The R/P ratios, therefore, can frequently give a very pessimistic impression of the expected life of a country's reserves. In addition, for some of those countries whose R/P ratios appear very large, it can reasonably be assumed that the figures for proved recoverable reserves include some unproved reserves.

Oil Shale and Bituminous Sands

Proved recoverable reserves are the amount, expressed as tonnage of recoverable synthetic oil that has been both carefully measured and has also been assessed as exploitable under present and expected local economic conditions with existing available technology.

Natural Gas

Proved recoverable reserves are the

⁶World Energy Resources 2016, World Energy Council.

volume within the proved amount in place that can be recovered in the future under present and expected local economic conditions with existing available technology.

Uranium

Reasonably assured resources refer to recoverable uranium that occurs in known mineral deposits of delineated size, grade and configuration such that the quantities which could be recovered within the given production cost ranges with currently proven mining and processing technology can be specified. Estimates of tonnage and grade are based on specific sample data and measurements of the deposits and on knowledge of deposit characteristics.

Inferred Resources refer to recoverable uranium (in addition to reasonably assured resources) that is inferred to occur, based on direct geological evidence, in extensions of well-explored deposits and in deposits in which geological continuity has been established, but where specific data and measurements of the deposits and knowledge of their characteristics are considered to be inadequate to classify the resource as reasonably assured resources.

Hydropower

Gross theoretical capability is the annual energy potentially available in the country if all natural flows were turbinized down to sea level or to the water level of the border of the country (if the water course extends into another country) with 100% efficiency from the machinery and driving water-works. Unless otherwise stated, the figures have been estimated on the basis of atmospheric precipitation and water runoff.

GENERAL NOTES

Calculation of primary energy equivalent for electricity and heat

As mentioned previously, the publication now treats electricity and heat consistently with IRES energy balances. Notably, this leads to the following notional efficiencies applying to electricity and heat generation (to back calculate the primary energy):

- 100% for electricity from hydro, wind, tide, wave, ocean and solar PV;
- 33% for electricity from nuclear heat or solar thermal;
- 100% for solar thermal heat;
- 50% for heat produced from geothermal heat;
- 10% for electricity from geothermal heat.

Consumption

Consumption throughout the *Yearbook* is defined consistently with the definition of final consumption in IRES, namely the sum of flows reflecting energy consumption by energy consumers, as well as non-energy use of energy products. As such, the publication should no longer have the same issues with negative consumption figures that previous versions did, when consumption was calculated based on supply flows and as such negative figures could appear for countries that exported secondary products.

Negative Supply

Negative supply can represent a residual or statistical difference between production and exports when a particular product is mainly exported, or when a transferred product is subsequently exported.

Time Period

The period to which the data refer is the calendar year, with the exception of the data of the following countries which refer to the fiscal year:

Afghanistan and Iran (Islamic Rep. of) - beginning 21 March of the year stated;

Australia, Bangladesh, Bhutan, Egypt (for the latter two, electricity only), Nepal - ending June of the year stated;

Pakistan - starting July of the year stated

India, Japan and Myanmar - beginning April of the year stated.

Trade data

Figures displayed for international trade by partner country in Tables 6, 15 and 28 are based on data from the International Energy Agency and from the United Nations Statistics Division COMTRADE (Commodity Trade Statistics). The total of all exports will likely differ from the figures given in other tables because not all of the importers are included, and also possibly because of definitional differences between data sources.

Per Capita Data

Data on a *per capita* basis use population data from the United Nations Population Division as a denominator. These indicators may sometimes show differences for certain years compared to previous versions of this publication, due to revisions made by the Population Division rather than changes to the underlying energy data.

Coverage

As Table 1 contains data back to 1990, data are included for former countries such as the Union of Soviet Socialist Republics, and older versions of countries such as Ethiopia which have since had territories split from them.

GEOGRAPHICAL NOTES

Australia – Data exclude the overseas territories.

Bonaire, Sint Eustatius, Saba – Data prior to 2012 are included in Netherlands Antilles (former).

China – Data exclude Hong Kong and Macao Special Administrative Regions (Hong Kong SAR and Macao SAR) and Taiwan Province.

Curaçao – Data prior to 2012 are included in Netherlands Antilles (former).

Czechoslovakia – prior to 1993, refers to the former Czechoslovakia composed of Czechia and Slovakia.

Denmark – Data exclude Greenland and the Danish Faroes.

France – Data up to 2010 include Monaco and exclude the following overseas departments and territories: Guadeloupe, French Guiana, Martinique, Mayotte, New Caledonia, French Polynesia, Réunion, Saint Barthélemy, Saint Martin, St. Pierre and Miquelon, and Wallis and Futuna. From 2011 onwards, data include Monaco and the overseas departments (Guadeloupe, French Guiana, Martinique, Mayotte and Réunion), excluding the overseas collectivities: New Caledonia, French Polynesia, Saint Barthélemy, Saint Martin, St. Pierre and Miquelon, and Wallis and Futuna.

French Guiana – Data after 2010 are included in France.

Germany – Through the accession of the **German Democratic Republic** to the **Federal Republic of Germany** with effect from 3 October 1990, the two German States united to form one sovereign state. Data for 1990 are shown separately for the former states.

Guadeloupe – Data after 2010 are included in France.

Indonesia – Data include Timor-Leste until 2001.

Italy – Data include San Marino and the Holy See.

Japan – Data include Okinawa.

Kuwait – The data for crude oil production include 50 per cent of the output of the Neutral Zone.

Martinique – Data after 2010 are included in France.

Mayotte – Data after 2010 are included in France.

Netherlands – Data exclude Suriname and the Netherlands Antilles (former).

Netherlands Antilles (former) – The country, comprising Bonaire, Curaçao, Saba, Sint Eustatius and Sint Marteen (Dutch part), was dissolved on 10 October 2010. For the purposes of this yearbook, data up to 2011 refer to the former territory of the Netherlands Antilles as it was known prior to 10 October 2010.

Pacific Islands – Until 1991, Trust Territory comprising Federated States of Micronesia, Marshall Islands, Northern Mariana Islands and Palau.

Portugal – Data include the Azores and Madeira.

Republic of Moldova – Data exclude Transnistria and the municipality of Bender.

Réunion – Data after 2010 are included in France.

Saudi Arabia – Data for crude oil production include 50 per cent of the output of the Neutral Zone.

Serbia – Data exclude Kosovo, which is shown separately.

Serbia and Montenegro – Data exclude Kosovo from 2000 onwards. As a former country/area, it appears in this edition only in Table 1.

Sint Maarten (Dutch part) – Data prior to 2012 are included in Netherlands Antilles (former).

South Sudan – Data prior to 2012 are included in Sudan (former).

Spain – Data include the Canary Islands.

Sudan – Data prior to 2012 are included in Sudan (former).

Sudan (former) – South Sudan became an independent state on 9 July 2011. This country represents the whole territory of Sudan as it was on 1 January 2011 for data up to and including 2011.

Switzerland – Data include Liechtenstein for oil statistics.

Ukraine – The Government of Ukraine has informed the United Nations that it is not in a position to provide statistical data concerning the Autonomous Republic of Crimea and the city of Sevastopol.

Union of Soviet Socialist Republics – Referred to as USSR, comprised up to 1990 Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Republic of Moldova, Russian Federation, Tajikistan, Turkmenistan, Ukraine and Uzbekistan.

United Kingdom – Shipments of coal and oil to Jersey, Guernsey 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. Oil statistics as well as coal trade statistics also include Puerto Rico, Guam, the U.S. Virgin Islands, American Samoa, Johnston Atoll, Midway Islands, Wake Island and the Northern Mariana Islands.

Yemen – On 22 May 1990 **Democratic Yemen** and **Yemen Arab Republic** merged to form a single State. Since that date they have been represented as one Member with the name 'Yemen'. Data for 1990 are shown separately for the former states.

Yugoslavia – Data until 1991 refer to the former Socialist Federal Republic of Yugoslavia, namely Bosnia and Herzegovina, Croatia, North Macedonia, Montenegro, Slovenia and Serbia (including Kosovo).

COUNTRY-SPECIFIC INFORMATION

Armenia

Other vegetal material and residues data are available from 2012 onward, animal waste production and consumption are available from 2015 onward.

Belarus

Prior to 2013, kerosene-type jet fuel is reported under other oil products.

China

Data for other kerosene include kerosene-type jet fuel until 2013.

China, Hong Kong SAR

Data on kerosene-type jet fuel include aviation gasoline and other kerosene.

China, Macao SAR

For confidentiality reasons, some data on coal and coal products, petroleum products and biomass are not available.

Egypt

Data for lubricants are included with other oil products for 2011-2013.

Greenland

Data for kerosene-type jet fuel include other kerosene.

Israel

For confidentiality reasons, data on electricity from hydro and wind are not available for 2016.

Kazakhstan

The Committee of Statistics of Kazakhstan constantly works on improving data quality and aligning their data collection and dissemination system with the International Recommendations for Energy Statistics.

Supply of some oil products for 2016 and 2017 as well as coke oven throughputs from 2014 until 2018 are under verification.

Lesotho

In 2017, the Bureau of Statistics conducted the "Household Energy Consumption Survey 2017" in order to establish a baseline for energy consumption in households. The data on supply and consumption of animal waste and fuelwood for 2017 are based on the results of this new survey. Supply and consumption data of animal waste and fuelwood from 2009 to 2016 were estimated by UNSD to avoid breaks in the time series. Revisions are pending.

Madagascar

Data for bitumen include petroleum coke.

Pakistan

Data on wind and solar electricity and on electricity from other sources are all reported as wind electricity.

Russian Federation

The main source of Russian trade statistics is the Federal Customs Service of the Russian Federation. As a result, some of the figures may not include the mutual trade with the Member States of the Eurasian Economic Union. Some of the crucial trade datapoints were estimated by UNSD in order to avoid undercounting on the world level and for international comparison purposes.

Kerosene-type jet fuel statistics are confidential, and as such were estimated by UNSD.

Ethane figures are under investigation and should be treated with caution.

Senegal

The sources of trade data for 2017 are the Bureaux de change au Sénégal and this may lead to breaks in time series between 2016 and 2017.

Manantali dam and Félou hydro electricity plants are situated in Mali, but are owned by Mali, Senegal and Mauritania, supplying electricity to these three countries. Following the International Recommendations for Energy Statistics, electricity obtained by Senegal from these plants are

counted as imports, and not as Senegalese hydro electricity production.

Tajikistan

The Agency on Statistics under President of the Republic of Tajikistan is constantly working on increasing transparency and improving the quality of energy data.

Starting with 2016, more granular data on coal consumption are available. This leads to breaks in time series between 2015 and 2016 data.

New information on quantities of fuelwood consumed for energy purposes in Tajikistan are available for 2016 as a result of a survey conducted by the Agency on Statistics. The revised historical time series are currently unavailable.

Ukraine

For confidentiality reasons, data on the following products (mainly on production) may not be available or may be included with other products: sub-bituminous coal (included with other bituminous coal), lignite (included with peat), patent fuel (included with peat briquettes), aviation gasoline, kerosene-type jet fuel, other kerosene, petroleum coke, paraffin waxes and white spirit (the latter three included with other oil products), gasworks gas (included with other recovered gases).

Uzbekistan

In 2019, the State Committee of the Republic of Uzbekistan on Statistics released more granular energy supply information, starting with 2013 data. As a result, there are breaks in time series for many products and flows. For historical data, revisions are pending.

Electricity trade figures from 2013 to 2018 should be used with caution, as they most likely do not comprise electricity exchange under intergovernmental agreement.

UNITS OF MEASUREMENT AND CONVERSION

Metric units of measurement are used throughout the *Yearbook*. The following tables provide the necessary factors for converting energy data from one measurement system (mass, volume or heat) to another. Unless otherwise stated in the Table Notes, in the case of solid fuels, liquid fuels and gases, the conversions are based on the net calorific value.

The comparison between different fuels is presented in metric tons of coal equivalent (TCE, Table 4), and terajoules (Tables 1, 2, 3 and 12) on the basis of the heat energy which may be obtained from each of them. One TCE is defined as 0.0293076 TJ, or 29307.6 MJ. This is derived from the standard coal equivalency of 7000 calories per gram.

The procedure to convert from original units to the common unit terajoule is as follows:

- Data in original (mass) units multiplied by the factors in Table I will give data in terajoules.

Further, to convert electricity data to terajoules, the following energy equivalence is applied: 1 GWh = 3.6 TJ.

Data on natural gas are collected in terajoules on a gross calorific value basis by convention. When comparing natural gas with other energy sources, it is more appropriate to compare useful energy, and thus the data have been converted to be on a net calorific basis by multiplying them by 0.9.

Table I
NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

HARD COAL	2014	2015	2016	2017
Standard factor	25.8	25.8	25.8	25.8
Australia	26.9	27.0	27.0	27.0
Bangladesh	20.9	20.9	20.9	20.9
Botswana	23.6	23.6	23.6	23.6
Brazil	18.6	18.6	18.6	18.6
Bulgaria	27.2	27.8	28.0	25.2
Canada	25.0	25.0	25.0	25.0
Chile	22.0	27.8	16.8	17.0
China	20.1	20.4	20.8	20.8
Colombia	27.2	27.2	27.2	27.2
Czechia	27.0	27.0	27.5	26.6
Egypt	25.7	25.7	25.7	25.7
France	26.0	27.4	27.6	27.2
Georgia	25.1	25.3	25.2	25.2
Germany	27.6	30.0	29.1	29.1
India	16.8	16.7	16.5	16.1
Indonesia	25.8	25.8	25.9	25.9
Iran (Islamic Republic of)	27.8	27.8	27.8	28.0
Italy	26.6	26.6	25.9	25.1
Kazakhstan	18.6	18.6	18.6	18.6
Korea, Democratic People's Republic of	26.3	26.5	26.5	26.5
Korea, Republic of	18.6	18.6	18.6	19.4
Kyrgyzstan	18.6	18.6	18.6	18.6
Malaysia	26.4	26.4	26.4	26.4
Mexico	28.9	29.2	29.3	29.3
Mongolia	28.5	28.3	28.3	28.3
Mozambique	26.9	27.3	27.0	26.9
New Zealand	29.9	30.1	30.2	29.7
Niger	16.0	16.0	16.0	16.0
Norway	28.1	28.1	28.1	28.1
Pakistan	18.8	18.8	18.8	18.8
Peru	26.7	28.3	27.3	27.1
Poland	23.8	24.0	24.0	23.9
Russian Federation	26.2	26.2	26.1	26.1
South Africa	23.7	23.7	23.7	23.7
Spain	19.2	19.8	19.6	19.5
Sri Lanka	29.3	29.3	29.3	29.3
Tajikistan	18.6	18.6	25.0	25.1
Turkey	25.5	25.5	24.2	24.6
Ukraine	24.4	23.9	24.1	23.4
United Kingdom	24.4	24.9	25.1	25.1
United States	26.3	26.9	27.0	27.1
Uzbekistan	18.6	18.6	18.6	18.6
Viet Nam	23.4	23.4	23.4	23.4
Venezuela (Bolivarian Republic of)	30.6	30.6	30.6	30.6
Zambia	24.7	24.7	24.7	24.7
Zimbabwe	27.0	27.0	27.0	27.0

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

BROWN COAL	2014	2015	2016	2017
Standard factor	14.0	14.0	14.0	14.0
Albania	9.8	9.8	9.8	9.8
Australia	12.1	12.0	12.4	12.6
Bosnia and Herzegovina	11.0	10.1	10.8	10.7
Bulgaria	6.8	6.8	6.8	6.9
Canada	16.9	16.9	16.7	16.7
Czechia	12.3	12.6	12.5	12.5
Georgia	17.2	17.0	17.0	17.0
Germany	9.1	9.0	9.0	9.0
Greece	5.3	5.1	5.1	5.1
Hungary	7.0	6.9	6.6	6.7
India	9.5	9.5	9.5	9.5
Indonesia	20.9	21.1	21.1	21.2
Kazakhstan	14.7	14.7	14.7	14.7
Korea, Democratic People's Republic of	17.6	17.6	17.6	17.6
Kyrgyzstan	14.7	14.7	14.7	14.7
Mexico	20.0	20.0	19.8	19.6
Mongolia	14.4	14.4	14.4	14.4
Montenegro	9.2	9.2	9.2	9.2
New Zealand	19.6	19.6	19.2	19.5
North Macedonia	6.4	6.2	6.1	7.0
Philippines	22.1	22.1	22.1	22.1
Poland	8.2	8.2	8.1	8.3
Romania	7.9	7.9	7.7	7.3
Russian Federation	14.9	14.9	14.9	14.9
Serbia	8.0	8.0	7.8	7.6
Slovakia	11.1	10.7	13.8	10.2
Slovenia	11.0	11.4	10.2	11.6
Spain	13.8	13.4	13.5	13.5
Tajikistan	14.7	14.7	17.0	17.0
Thailand	10.7	10.7	10.6	10.6
Turkey	10.0	8.8	8.6	8.6
United States	18.1	18.3	18.1	18.2
Uzbekistan	14.7	14.7	14.7	14.7
COKE OVEN COKE	2014	2015	2016	2017
Standard factor	28.2	28.2	28.2	28.2
Argentina	28.5	28.5	28.5	28.5
Australia	27.0	27.0	27.0	27.0
Austria	29.0	28.6	28.9	28.6
Belgium	29.3	29.3	29.3	29.3
Bosnia and Herzegovina	28.5	28.5	28.5	28.5
Brazil	30.5	30.5	30.5	30.5

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

COKE OVEN COKE	2014	2015	2016	2017
Canada	27.5	27.5	27.5	27.5
Chile	28.6	28.6	28.6	28.6
China	28.4	28.5	28.5	28.5
Colombia	20.1	20.1	20.1	20.1
Czechia	28.5	28.6	28.7	28.7
Egypt	27.2	27.2	27.2	27.2
Estonia	28.5	28.5	28.5	28.5
Finland	29.3	29.3	29.3	29.3
France	28.0	28.0	28.0	28.0
Germany	28.7	28.7	28.7	28.7
Hungary	29.5	29.8	29.9	29.6
Italy	29.0	29.0	29.0	29.0
Japan	29.2	29.2	29.2	29.2
Kazakhstan	25.1	25.1	25.1	25.1
Korea, Republic of	28.9	28.9	28.9	28.9
Mexico	28.7	28.7	28.4	28.4
Netherlands	28.5	28.5	28.5	28.5
New Zealand	29.5	29.5	29.5	29.5
Other Asia	28.2	28.2	28.2	28.2
Poland	27.8	28.0	28.0	28.0
Russian Federation	29.0	29.0	29.0	29.0
Slovakia	27.9	28.2	28.3	28.4
South Africa	26.5	26.5	26.5	26.5
Spain	26.8	26.8	26.8	27.3
Sweden	28.1	28.1	28.1	28.1
Turkey	27.6	27.2	27.0	27.0
Ukraine	25.1	25.1	25.1	25.1
United Kingdom	29.8	29.8	29.8	29.8
United States	28.9	28.9	28.9	28.9
Zimbabwe	25.1	25.1	25.1	25.1
PATENT FUEL	2014	2015	2016	2017
Standard factor	20.7	20.7	20.7	20.7
France	32.0	32.0	32.0	32.0
Germany	31.4	31.4	31.4	31.4
Hungary	22.0	20.7	20.7	20.7
Korea, Republic of	18.6	18.6	18.6	19.4
Poland	23.2	23.8	23.2	23.2
United Kingdom	28.3	28.3	28.3	28.3
BROWN COAL BRIQUETTES	2014	2015	2016	2017
Standard factor	20.7	20.7	20.7	20.7
Australia	21.0	21.0	22.0	22.0
Belgium	20.7	20.7	20.7	20.7
Bulgaria	12.2	13.4	11.6	11.6

Table I (continued)

**NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton**

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

BROWN COAL BRIQUETTES	2014	2015	2016	2017
Czechia	21.1	19.8	23.4	23.3
Germany	21.4	21.2	21.4	21.1
Serbia	17.7	17.7	17.7	17.6
PEAT	2014	2015	2016	2017
Standard factor	9.8	9.8	9.8	9.8
Austria	8.8	8.8	9.8	9.8
Belarus	10.5	10.1	10.0	9.4
Burundi	14.7	14.7	14.7	14.7
Estonia	10.4	10.7	10.7	10.1
Falkland Islands (Malvinas)	9.5	9.5	9.5	9.5
Finland	10.0	10.1	10.0	9.9
Ireland	8.8	9.0	8.9	8.7
Lithuania	11.7	11.7	11.7	11.7
Russian Federation	10.0	10.0	10.0	10.0
Sweden	12.5	12.5	12.5	12.5
Ukraine	9.7	9.7	9.7	9.7
OIL SHALE	2014	2015	2016	2017
Standard factor	8.9	8.9	8.9	8.9
Estonia	8.5	9.0	8.3	8.0
Israel	4.0	4.0	4.0	4.0

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
HARD COAL	2014	2015	2016	2017
Albania	27.2	25.2	25.2	25.2
Argentina	28.4	28.9	28.4	28.8
Australia	27.9	27.8	27.6	28.1
Austria	28.6	28.3	28.1	28.4
Bangladesh	20.9	20.9	20.9	20.9
Belarus	25.6	25.6	25.2	24.5
Belgium	27.5	27.8	27.8	29.4
Bosnia and Herzegovina	30.7	30.7	29.1	29.1
Brazil	30.5	30.5	30.5	30.5
Bulgaria	27.2	27.8	28.0	25.2
Canada	27.9	28.0	28.0	27.9
Chile	25.0	24.0	23.9	24.1
China	17.9	17.9	18.5	18.3
China, Hong Kong SAR	26.4	26.4	26.4	26.4
Croatia	24.8	25.1	25.1	25.1
Czechia	25.4	25.5	26.1	26.5
Denmark	23.5	22.9	23.3	24.3
Egypt	25.7	25.7	25.7	25.7
Estonia	27.2	27.2	27.2	22.0
Finland	25.9	26.4	26.7	26.6
France	27.7	27.4	27.6	27.2
Georgia	25.1	25.3	25.2	25.2
Germany	27.0	27.1	27.5	26.6
Greece	26.6	25.9	25.5	23.3
Hungary	29.2	29.6	31.1	29.4
Iceland	28.1	28.1	28.1	28.1
India	26.3	26.3	26.5	26.6
Indonesia	28.2	28.2	28.2	28.2
Iran (Islamic Republic of)	28.1	28.1	28.1	26.1
Ireland	25.5	25.7	25.1	25.8
Israel	25.0	25.0	24.9	24.9
Italy	26.0	26.1	25.9	25.1
Japan	25.9	25.6	25.5	25.9
Jordan	26.7	26.7	26.7	26.7
Kazakhstan	18.6	18.6	18.6	18.6
Korea, Democratic People's Republic of	25.8	25.8	25.8	25.8
Korea, Republic of	25.5	25.5	25.5	24.8
Kyrgyzstan	20.9	20.7	20.8	20.5
Latvia	24.2	23.9	23.8	24.1
Lebanon	27.7	27.7	27.7	27.7
Lithuania	25.1	25.1	25.1	25.1
Luxembourg	24.7	24.7	24.7	24.6
Malaysia	26.4	26.4	26.4	26.4
Mauritius	25.8	25.8	25.8	26.0
Mexico	26.5	26.7	26.1	26.0
Moldova, Republic of	24.1	23.9	23.9	24.2
Morocco	27.6	27.6	27.6	27.6

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS

HARD COAL	2014	2015	2016	2017
Namibia	22.7	22.7	22.7	22.7
Nepal	25.1	25.1	25.1	25.1
Netherlands	25.1	25.0	25.3	26.2
New Caledonia	26.0	26.0	26.0	26.0
New Zealand	28.4	28.1	26.0	26.6
North Macedonia	25.8	26.1	26.1	26.2
Norway	28.1	28.1	28.1	28.1
Other Asia	27.4	27.4	27.4	27.4
Pakistan	27.6	27.6	27.6	27.6
Peru	30.5	30.5	30.5	30.5
Poland	25.0	24.8	24.6	24.9
Portugal	24.8	24.7	24.7	24.9
Romania	25.8	25.8	25.7	25.6
Russian Federation	25.2	25.4	25.3	25.6
Serbia	25.6	25.7	25.7	25.6
Senegal	25.9	25.9	25.9	25.9
Slovakia	28.7	28.9	29.0	29.0
Slovenia	25.2	27.0	27.3	27.4
South Africa	31.0	31.0	31.0	31.0
Spain	23.9	24.0	24.1	24.1
Sri Lanka	29.3	29.3	29.3	29.3
Sweden	28.8	28.9	29.1	29.0
Switzerland	25.5	25.5	25.5	25.5
Tajikistan	18.6	18.6	25.0	25.0
Thailand	26.4	26.4	26.4	26.4
Turkey	26.9	26.7	26.8	26.7
Ukraine	26.7	25.0	25.8	25.5
United Arab Emirates	28.1	27.8	27.7	27.7
United Kingdom	26.0	26.2	26.9	26.9
United States	26.2	25.6	24.9	25.1
Uruguay	25.8	25.8	25.8	25.8
Viet Nam	23.4	23.4	23.4	23.4
Zimbabwe	27.0	27.0	27.0	27.0
BROWN COAL	2014	2015	2016	2017
Albania	9.8	9.8	9.8	9.8
Austria	20.4	20.6	20.5	20.3
Bangladesh	11.9	11.9	11.9	11.9
Bosnia and Herzegovina	11.0	10.1	10.8	10.7
Cambodia	19.9	19.9	19.9	19.9
Canada	17.9	17.9	17.9	17.9

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS

BROWN COAL	2014	2015	2016	2017
Croatia	15.9	16.0	16.9	17.1
Czechia	11.1	10.7	14.0	14.0
France	17.0	17.0	17.0	17.0
Germany	17.7	18.7	18.4	18.4
Greece	4.0	5.1	5.1	5.1
Hungary	17.4	18.4	17.9	17.9
Israel	20.8	20.8	20.8	20.8
Italy	18.8	18.8	18.7	17.0
Kazakhstan	14.7	14.7	14.7	14.7
Korea, Republic of	21.4	21.4	21.4	21.4
Mexico	13.9	18.6	19.0	19.0
Montenegro	9.2	9.2	9.2	9.2
Netherlands	20.0	20.0	20.0	20.0
New Zealand	20.5	20.6	20.3	20.2
North Macedonia	17.0	18.2	20.8	22.1
Other Asia	18.9	18.9	18.9	18.9
Philippines	22.1	22.1	21.6	22.0
Poland	8.2	8.2	8.1	8.3
Romania	18.2	19.3	20.8	20.8
Russian Federation	14.9	14.9	14.9	14.9
Serbia	17.0	8.1	8.1	8.1
Slovakia	15.0	14.9	13.8	14.3
Slovenia	18.5	18.6	13.8	19.0
Switzerland	23.6	23.6	23.6	23.6
Ukraine	10.0	10.0	10.0	10.0
United States	19.2	19.7	19.7	19.7
Uzbekistan	14.7	14.7	14.7	14.7
COKE OVEN COKE	2014	2015	2016	2017
Australia	27.0	27.0	27.0	27.0
Austria	29.0	28.6	28.9	28.6
Belarus	29.0	29.0	29.0	29.0
Belgium	29.3	29.3	29.3	29.3
Brazil	30.5	30.5	30.5	30.5
Bulgaria	28.5	28.5	28.5	28.5
Canada	27.5	27.5	27.5	27.5
Croatia	29.3	29.3	29.3	29.3
Czechia	26.2	26.2	28.1	28.0
Denmark	29.3	29.3	29.3	29.3
Egypt	27.2	27.2	27.2	27.2
Finland	29.3	29.3	29.3	29.3
France	28.0	28.0	28.0	28.0
Georgia	29.3	29.3	29.3	29.3
Germany	28.7	28.7	28.7	28.7

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
COKE OVEN COKE	2014	2015	2016	2017
Hungary	29.5	29.6	29.9	29.6
Iceland	26.7	26.7	26.7	26.7
Italy	29.0	29.0	28.4	28.4
Japan	29.2	29.2	29.2	29.2
Kazakhstan	25.1	25.1	25.1	25.1
Korea, Republic of	28.9	28.9	28.9	28.9
Lithuania	29.3	29.3	29.3	29.3
Mexico	27.8	27.8	28.4	28.7
Netherlands	28.5	28.5	28.5	28.5
Norway	28.5	28.5	28.5	28.5
Other Asia	28.2	28.2	28.2	28.2
Peru	28.2	28.2	28.2	28.2
Poland	28.0	28.0	28.0	28.0
Romania	26.3	26.4	26.4	26.4
Russian Federation	29.0	29.0	29.0	29.0
Serbia	29.0	29.0	29.0	29.0
Slovakia	27.8	27.3	26.5	27.7
Slovenia	30.1	30.1	30.0	30.1
Spain	26.8	26.8	26.8	27.3
Sweden	28.1	28.1	28.1	28.1
Switzerland	25.5	25.5	25.5	25.5
Turkey	27.6	27.2	27.0	27.0
Ukraine	25.1	25.1	25.1	25.1
United Kingdom	29.8	29.8	29.8	29.8
United States	28.9	28.9	28.9	28.9
PATENT FUEL	2014	2015	2016	2017
Austria	31.0	31.0	31.0	31.0
Belgium	30.5	30.5	30.5	30.5
France	32.0	32.0	32.0	32.0
Germany	31.4	31.4	31.4	31.4
Luxembourg	28.2	28.2	28.2	28.2
Poland	23.2	23.2	23.2	23.2
Slovakia	28.0	28.0	28.0	28.0
United Kingdom	28.3	28.3	28.3	28.3
BROWN COAL BRIQUETTES	2014	2015	2016	2017
Austria	19.8	19.8	19.8	19.8
Belgium	20.7	20.7	20.7	20.7
Czechia	21.1	19.8	20.0	20.2
France	16.9	16.9	16.9	16.9
Germany	25.6	25.5	22.1	25.6
Hungary	19.8	19.1	19.0	19.6
Ireland	19.8	19.8	19.8	19.8
Luxembourg	22.2	22.2	22.2	22.2

Table I (continued)

**NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton**

IMPORTS

BROWN COAL BRIQUETTES	2014	2015	2016	2017
Netherlands	20.0	20.0	20.0	20.0
Poland	17.5	17.5	17.5	17.5
Serbia	15.8	15.8	15.8	15.8
Slovakia	17.7	17.9	17.2	17.6
PEAT	2014	2015	2016	2017
Finland	10.0	10.1	10.0	9.9
Romania	8.8	8.8	8.8	8.8
Russian Federation	10.0	10.0	10.0	10.0
Sweden	12.9	12.9	12.9	12.9
Ukraine	9.7	9.7	9.7	9.7

OTHER PRODUCTS

Conventional crude oil	42.3
Natural gas liquids (NGL)	44.2
Aviation gasoline	44.3
Motor gasoline	44.3
Gasoline-type jet fuel	44.3
Kerosene-type jet fuel	44.1
Other kerosene	43.8
Gas oil/diesel oil	43.0
Fuel oil	40.4
Liquefied petroleum gases (LPG)	47.3
Ethane	46.4
Refinery gas	49.5
Feedstocks	43.0
Naphtha	44.5
White spirit and SBP industrial spirit	40.2
Lubricants	40.2
Bitumen	40.2
Paraffin waxes	40.2
Petroleum coke	32.5
Other oil products	40.2
Fuelwood, wood residues and by-products	12.6
Bagasse	7.7
Peat products	9.8
Charcoal	29.5

Table I (continued)

STANDARD HEAT VALUES OF GASES
kJ/m³

Natural gas	39021
Coke oven gas	17590
Gas works gas	17590
Blast furnace gas	4000

Table II**SELECTED CONVERSION FACTORS FOR CRUDE OIL
AND OIL PRODUCTS**

(To convert from metric tons into the following units, multiply by the factor in the appropriate column)

Commodity	Litre	U.S. Gallon	Imperial Gallon	Barrel	Barrels / day	Cubic Metre
Conventional crude oil (average specific gravity)	1164	308	256	7.32	0.02005	1.164
Natural gas liquids (NGL)	1653	437	364	10.40	0.02849	1.653
Additives and oxygenates	1033	315	262	7.50	0.02055	1.033
Other hydrocarbons	1177	311	259	7.40	0.02027	1.177
Aviation gasoline	1370	362	301	8.62	0.02362	1.370
Motor gasoline	1351	357	297	8.50	0.02329	1.351
Gasoline-type jet fuel	1317	348	290	8.28	0.02270	1.317
Kerosene-type jet fuel	1235	326	272	7.77	0.02129	1.235
Other kerosene	1235	326	272	7.77	0.02129	1.235
Gas oil/diesel oil	1149	304	253	7.23	0.01981	1.149
Fuel oil	1053	278	232	6.62	0.01814	1.053
Liquefied petroleum gases (LPG)	1852	489	407	11.65	0.03192	1.852
Ethane	2679	708	589	16.85	0.04616	2.679
Refinery gas	1272	336	280	8.00	0.02192	1.272
Feedstocks	1177	311	259	7.40	0.02027	1.177
Naphtha	1389	367	306	8.74	0.02395	1.389
White spirit and SBP industrial spirits	1235	326	272	7.77	0.02129	1.235
Lubricants	1111	294	244	6.99	0.01915	1.111
Bitumen	962	254	212	6.05	0.01658	0.962
Paraffin waxes	1250	330	275	7.86	0.02153	1.250
Petroleum coke	877	232	193	5.52	0.01512	0.877
Other oil products	1099	290	241	6.91	0.01893	1.099

TABLES

Table 1

Total Energy Supply

Petajoules

Table Notes

For tables 1 to 3

Data on individual energy commodities are aggregated and presented in these tables. As discussed in the introduction, these tables follow the principles of energy balances as recommended in IRES.

Although both Table 1 and Table 2 display figures for total energy supply, there may be rounding differences for certain countries or regions in the same year. This is due to the different ways they are added up.

Instead of breaking energy supply down by flow, Table 1 gives a longer historical perspective back to 1990. As such, historical countries that existed in 1990 are included here. Due to the break-up of the Former Union of Soviet Socialist Republics, there is a reallocation between Europe and Asia between 1991 and 1992.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 1: Total energy supply by region, 1990

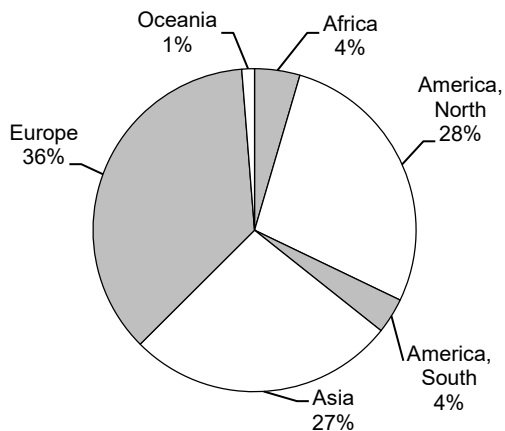


Figure 2: Total energy supply by region, 2017

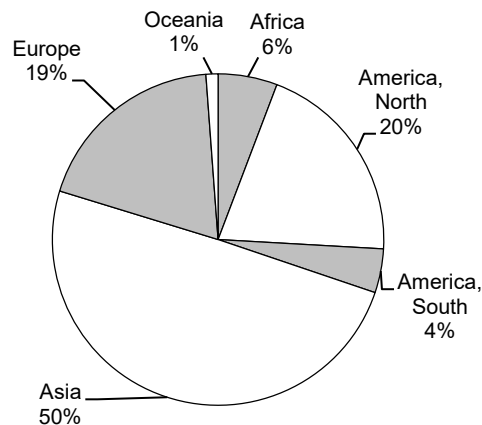


Figure 3: Total energy supply by region, 1990-2017

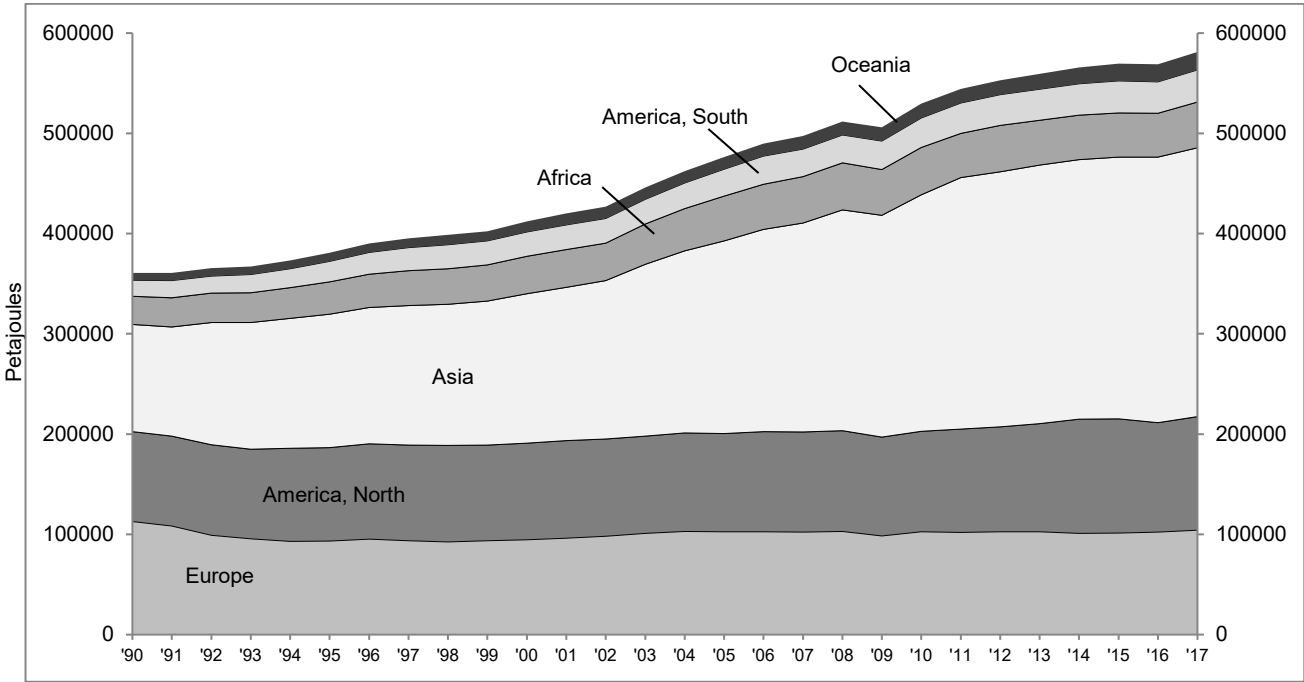


Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2015	2017
World	349,326	372,667	405,396	464,387	517,963	550,548	563,397
Africa	15,856	18,896	21,012	24,215	27,936	30,859	32,562
Algeria	1,075	1,270	1,170	1,583	1,641	2,224	2,289
Angola	238	340	287	318	469	552	618
Benin	74	89	83	105	153	194	213
Botswana	39	44	57	65	74	80	99
Burkina Faso	93	104	83	114	145	172	185
Burundi	*52	*53	55	*56	*58	62	63
Cabo Verde	*2	*3	*5	8	9	*9	*10
Cameroon	176	237	264	295	291	381	388
Central African Rep.	31	31	22	22	23	23	23
Chad	48	54	62	71	80	79	85
Comoros	2	3	3	*4	*5	5	*6
Congo	36	40	35	45	70	119	124
Côte d'Ivoire	204	245	278	418	425	543	458
Dem. Rep. of the Congo	489	595	635	698	831	1,209	1,246
Djibouti	*6	*7	8	*9	11	9	9
Egypt	1,271	1,605	2,288	2,742	3,242	3,450	4,012
Equatorial Guinea	5	5	10	68	82	64	49
Eritrea	..	42	30	32	31	35	37
Eswatini	*32	*34	41	40	43	48	44
Ethiopia	..	918	1,022	1,132	1,293	1,462	1,534
Ethiopia, incl. Eritrea	543	..	..	..	..	..	..
Gabon	50	56	62	72	93	112	109
Gambia	7	8	9	10	12	*14	*14
Ghana	187	277	271	251	267	339	315
Guinea	105	126	128	135	147	150	156
Guinea-Bissau	20	21	23	26	28	30	31
Kenya	439	518	*627	*686	*793	953	932
Lesotho	*36	*41	*48	47	52	*47	48
Liberia	38	31	49	62	75	92	97
Libya	468	653	685	727	860	630	555
Madagascar	99	126	*153	*168	*201	254	322
Malawi	64	65	65	70	76	80	84
Mali	43	49	57	61	79	94	96
Mauritania	*23	*26	29	36	45	*60	73
Mauritius	33	41	49	57	63	67	69
Mayotte	*1	*2	*2	*3	4	..	..
Morocco	345	423	478	606	762	799	869
Mozambique	248	264	292	364	305	444	452
Namibia	..	38	42	54	65	78	82
Niger	60	70	81	*77	70	94	*85
Nigeria	2,780	3,052	3,642	4,401	5,325	6,065	6,568
Reunion	24	31	42	49	58	..	..
Rwanda	35	54	54	71	84	*98	*99
Sao Tome and Principe	*1	1	*2	*2	2	*3	*3
Senegal	*81	*87	97	114	165	187	168
Seychelles	2	*3	8	10	6	7	8
Sierra Leone	51	46	55	56	60	67	68
Somalia	68	77	90	107	126	138	148
South Africa	4,179	4,750	4,917	5,183	5,887	5,719	5,910
South Sudan	..	..	..	..	..	35	28
Sudan	..	..	..	..	..	498	532
Sudan (former)	451	506	556	654	711	..	..
Togo	55	71	89	99	130	143	154
Tunisia	192	220	293	349	427	452	473
Uganda	281	312	319	417	523	655	*693
United Rep. of Tanzania	341	463	564	649	719	828	855

Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2015	2017
Zambia	222	244	260	305	348	433	501
Zimbabwe	405	422	438	414	395	473	474
America, North	96,361	104,141	114,826	119,340	114,805	114,597	113,499
Anguilla	*1	*1	*1	*2	*2	*2	*2
Antigua and Barbuda	*3	*3	*4	*5	*6	*7	*7
Aruba	*7	*10	*54	58	*56	*13	*13
Bahamas	*26	*24	*27	*26	35	*29	29
Barbados	16	12	16	17	20	17	16
Belize	8	10	11	11	13	16	16
Bermuda	*7	*8	*7	*8	*9	8	9
Bonaire, St Eustatius, Saba	..	..	..	..	..	*5	*5
British Virgin Islands	*1	*2	*2	*3	*3	*3	*2
Canada	8,838	9,782	10,605	11,420	10,869	11,757	12,088
Cayman Islands	4	*5	*7	7	8	8	8
Costa Rica	68	110	137	177	203	207	212
Cuba	647	452	462	412	505	457	404
Curaçao	..	..	..	..	..	92	76
Dominica	*1	1	2	*2	3	*3	*2
Dominican Republic	143	232	283	259	298	325	344
El Salvador	92	136	134	159	178	179	175
Greenland	5	5	7	9	11	9	9
Grenada	2	2	3	3	4	4	4
Guadeloupe	18	*21	26	33	*32	..	..
Guatemala	195	252	307	361	388	453	530
Haiti	101	107	123	142	159	183	188
Honduras	98	119	125	172	193	247	252
Jamaica	113	130	148	152	110	113	111
Martinique	21	*22	*23	30	29	..	..
Mexico	5,179	5,516	6,314	7,559	7,557	7,830	7,622
Montserrat	0	0	0	*1	1	1	0
Neth. Antilles (former)	82	*95	83	84	69	..	..
Nicaragua	86	102	107	119	125	163	167
Panama	60	71	105	120	144	171	197
Puerto Rico	*1	0	13	24	27	53	50
Sint Maarten (Dutch part)	..	..	..	..	..	*12	*12
St. Kitts-Nevis	*2	*2	*3	*3	3	*3	*3
St. Lucia	2	5	5	5	5	5	5
St. Pierre-Miquelon	1	1	*1	*1	*1	*1	1
St. Vincent-Grenadines	*1	*2	2	*3	3	3	*4
Trinidad and Tobago	251	251	420	676	833	797	703
Turks and Caicos Islands	0	*1	*1	*2	*3	*3	*3
United States	80,280	86,648	95,257	97,271	92,899	91,418	90,228
America, South	12,437	14,563	16,794	18,897	22,155	24,112	24,158
Argentina	1,928	2,194	2,564	2,919	3,307	3,435	3,385
Bolivia (Plur. State of)	106	155	205	216	261	345	371
Brazil	5,960	7,062	8,020	9,252	10,992	12,786	12,900
Chile	593	780	1,082	1,187	1,286	1,510	1,603
Colombia	983	1,104	1,103	1,180	1,402	1,524	1,677
Ecuador	255	339	328	470	521	603	615
Falkland Is. (Malvinas)	1	*1	*1	*1	*1	1	1
French Guiana	9	*9	8	10	*12	..	..
Guyana	28	31	34	32	34	35	37
Paraguay	*84	118	153	178	231	255	288
Peru	421	464	514	565	808	890	960
Suriname	29	34	36	26	40	43	40
Uruguay	96	107	119	126	173	213	217
Venezuela (Bolivar. Rep.)	1,944	2,167	2,629	2,737	3,087	2,472	2,064

Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2015	2017
Asia	93,749	123,466	140,404	183,199	234,751	269,575	279,048
Afghanistan	*46	*29	25	36	136	135	123
Armenia	..	68	84	105	*119	127	137
Azerbaijan	..	536	485	573	486	605	602
Bahrain	213	257	331	348	513	580	580
Bangladesh	769	918	998	1,191	1,493	1,790	1,925
Bhutan	37	39	44	48	57	64	67
Brunei Darussalam	107	71	73	76	136	114	153
Cambodia	121	119	142	144	223	295	339
China	30,398	39,163	42,461	68,833	101,618	119,926	123,598
China, Hong Kong SAR	316	398	570	579	544	576	587
China, Macao SAR	15	18	24	29	32	45	48
Cyprus	58	71	90	94	103	85	94
Georgia	..	88	120	135	140	198	204
India	13,435	16,262	19,808	22,706	29,193	36,066	38,083
Indonesia	3,759	4,587	4,970	7,087	8,331	9,511	9,959
Iran (Islamic Rep. of)	2,819	3,887	5,386	7,221	8,579	9,989	10,987
Iraq	586	1,072	995	1,488	1,437	1,997	2,521
Israel	482	652	767	773	972	951	965
Japan	18,367	20,756	21,732	21,932	20,997	18,073	18,116
Jordan	138	172	205	289	303	361	384
Kazakhstan	..	2,185	1,551	2,352	3,363	3,006	3,335
Korea, Dem.Ppl's.Rep.	1,391	921	826	896	622	332	307
Korea, Republic of	3,868	6,121	7,912	8,822	10,498	11,428	11,821
Kuwait	566	835	824	1,133	1,350	1,452	1,584
Kyrgyzstan	..	101	101	114	115	167	162
Lao People's Dem. Rep.	60	63	58	68	100	169	237
Lebanon	*113	174	207	206	262	337	369
Malaysia	773	1,708	1,959	2,745	2,965	3,424	3,482
Maldives	2	4	6	9	13	19	22
Mongolia	116	89	87	104	164	272	395
Myanmar	449	498	538	618	662	848	854
Nepal	156	301	349	388	446	499	571
Oman	153	236	319	445	778	1,048	1,102
Other Asia	2,005	2,663	3,509	4,236	4,624	4,554	4,600
Pakistan	1,290	1,722	2,082	2,642	2,880	3,445	4,280
Philippines	1,039	1,264	1,551	1,469	1,631	2,050	2,321
Qatar	199	553	584	728	1,165	1,828	1,798
Saudi Arabia	2,875	3,516	4,487	6,047	7,707	9,728	8,946
Singapore	658	644	761	899	1,079	1,236	1,166
Sri Lanka	187	225	296	324	360	433	461
State of Palestine	*20	*22	38	58	54	72	78
Syrian Arab Republic	476	585	729	740	911	419	374
Tajikistan	..	146	141	148	143	167	187
Thailand	1,766	2,635	3,075	4,067	4,945	5,662	5,777
Timor-Leste	..	..	..	*4	*4	*8	*8
Turkey	2,211	2,578	3,182	3,529	4,442	5,390	6,138
Turkmenistan	..	574	625	805	951	1,160	1,158
United Arab Emirates	791	1,108	1,719	1,842	2,635	3,981	3,042
Uzbekistan	..	1,780	2,124	2,046	1,806	1,740	1,880
Viet Nam	791	908	1,262	1,756	2,334	3,033	2,980
Yemen	..	142	197	274	326	180	142
Yemen Arab Rep. (former)	*47	..	..	..	..	..	..
Yemen, Dem. (former)	*84	..	..	..	..	..	..
Europe	126,491	106,827	106,861	112,975	111,790	104,819	107,511
Albania	92	47	65	91	91	91	100
Andorra	*7	7	9	10	10	9	9
Austria	1,041	1,123	1,198	1,407	1,409	1,366	1,404

Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2015	2017
Belarus	..	1,038	1,029	1,121	1,152	1,067	1,081
Belgium	1,999	2,231	2,418	2,421	2,496	2,185	2,301
Bosnia and Herzegovina	..	62	179	206	269	250	278
Bulgaria	1,181	966	773	826	741	775	781
Croatia	..	325	349	407	390	350	364
Czechia	..	1,760	1,746	1,898	1,892	1,758	1,818
Czechoslovakia (former)	2,950	..	..	..	..	..	..
Denmark	726	809	779	791	815	674	720
Estonia	..	217	196	220	238	232	243
Faeroe Islands	10	*8	*10	*10	*9	*9	*10
Finland	1,186	1,208	1,353	1,440	1,530	1,350	1,385
France	9,381	9,924	10,537	11,333	10,958	10,472	10,278
German Dem. R. (former)	*3,679	..	..	..	..	..	..
Germany	..	14,083	14,081	14,102	13,666	12,904	12,999
Germany, Fed. R. (former)	11,391	..	..	..	..	..	..
Gibraltar	2	4	5	6	7	9	11
Greece	895	950	1,131	1,265	1,155	965	966
Guernsey	..	..	..	1	1	1	1
Hungary	1,200	1,083	1,046	1,153	1,109	1,053	1,115
Iceland	87	90	139	158	278	313	327
Ireland	417	448	580	618	610	557	574
Isle of Man	..	..	..	1	4	4	4
Italy	6,366	6,714	7,230	7,847	7,324	6,402	6,437
Jersey	..	1	1	3	3	3	3
Kosovo	..	..	65	82	105	106	108
Latvia	..	193	161	190	189	179	185
Liechtenstein	1	2	2	3	3	3	3
Lithuania	..	363	295	365	292	293	313
Luxembourg	143	133	142	185	179	158	160
Malta	29	30	29	37	35	27	29
Montenegro	..	..	..	42	48	42	43
Netherlands	2,771	3,043	3,106	3,316	3,443	2,989	3,085
North Macedonia	..	151	169	163	121	116	119
Norway	875	962	1,074	1,114	1,257	1,202	1,235
Poland	4,393	4,249	3,784	3,891	4,256	4,004	4,384
Portugal	703	846	1,031	1,109	983	920	951
Republic of Moldova	..	186	66	89	80	100	114
Romania	2,621	1,925	1,532	1,626	1,474	1,341	1,401
Russian Federation	..	26,720	25,994	27,338	28,932	29,843	31,182
Serbia	..	..	..	672	648	612	647
Serbia and Montenegro	..	522	556	..	..	..	..
Slovakia	..	742	740	776	736	675	717
Slovenia	..	254	269	306	306	275	289
Spain	3,762	4,211	5,094	5,936	5,354	4,927	5,227
Sweden	1,965	2,086	1,968	2,135	2,109	1,854	2,033
Switzerland	1,014	999	1,037	1,074	1,080	1,010	988
Ukraine	..	7,073	5,574	5,872	5,491	3,753	3,739
United Kingdom	8,612	9,037	9,317	9,318	8,511	7,592	7,353
USSR (former)	55,194	..	..	..	..	..	..
Yugoslavia, SFR (former)	1,797	..	..	..	..	..	..
Oceania	4,432	4,775	5,499	5,762	6,527	6,587	6,619
Australia	3,714	3,962	4,567	4,790	5,441	5,331	5,353
Cook Islands	0	*1	*1	1	*1	*1	*1
Fiji	23	*23	22	24	21	37	*34
French Polynesia	*7	7	9	12	12	*12	*11
Kiribati	*1	*1	1	1	1	*1	*1
Marshall Islands	..	*1	*2	*2	*2	*2	*2
Micronesia (Fed. States of)	..	*2	*2	2	2	2	*2
Nauru	*2	*1	*1	*1	*1	*1	*1

Table 1**Total Energy Supply**

Petajoules

Country or area	1990	1995	2000	2005	2010	2015	2017
New Caledonia	21	27	30	37	46	61	68
New Zealand	561	646	749	748	839	952	955
Pacific Islands (former)	*3	..	..	..	..	..	..
Palau	..	*3	*3	*3	3	*3	*3
Papua New Guinea	88	89	99	126	141	166	168
Samoa	*3	*3	*3	*3	*4	5	*5
Solomon Islands	*5	*6	*6	*7	*8	8	*7
Tonga	1	1	1	*2	2	2	2
Vanuatu	1	1	*2	2	3	3	3

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Table Notes

Included in the **Primary energy production** for **Solids** are hard coal, lignite, peat, oil shale, primary solid biofuels and wastes; **Liquids** are comprised of crude oil, natural gas liquids, other hydrocarbons, additives and oxygenates, and liquid biofuels; **Gas** comprises natural gas and biogas; **Electricity** is comprised of primary electricity generation from hydro, wind, tide, wave and solar sources; and **Heat** comprises primary heat from nuclear, geothermal, chemical and solar sources.

Stock changes, trade and International bunkers refer to all primary and secondary forms of energy.

Supply is calculated as primary energy production plus import minus exports minus International bunkers minus stock changes.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 4: Total per capita energy supply by region, selected years

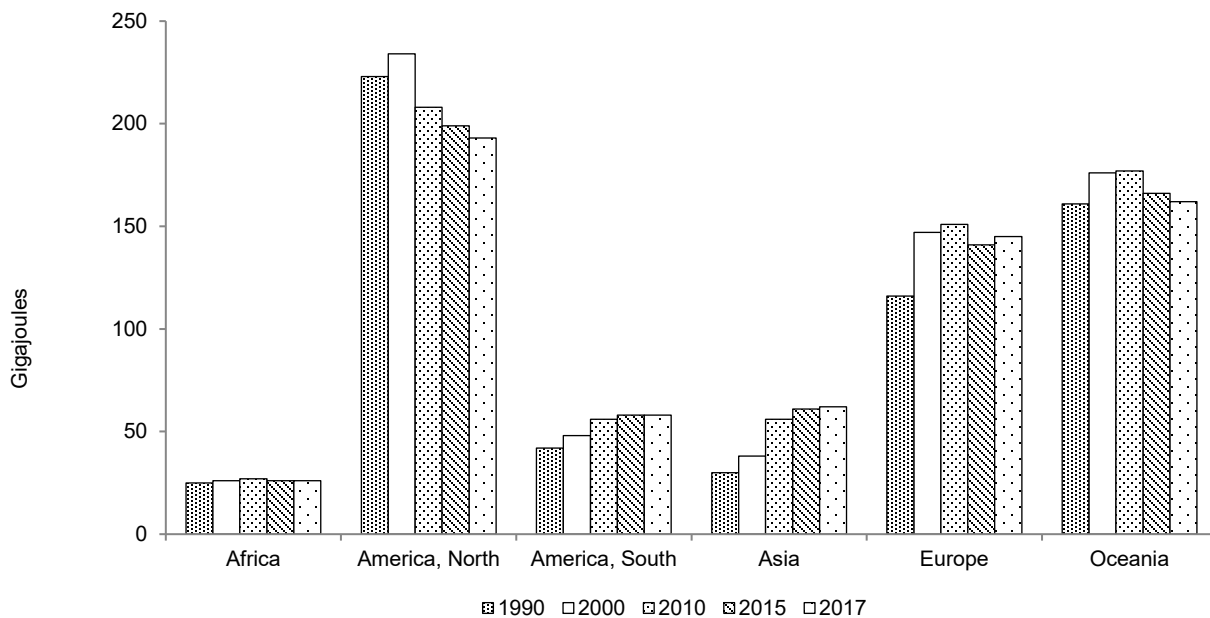


Figure 5: Production of solids by region, 2017

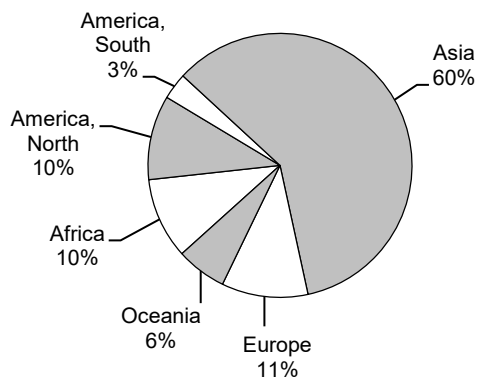


Figure 6: Production of liquids by region, 2017

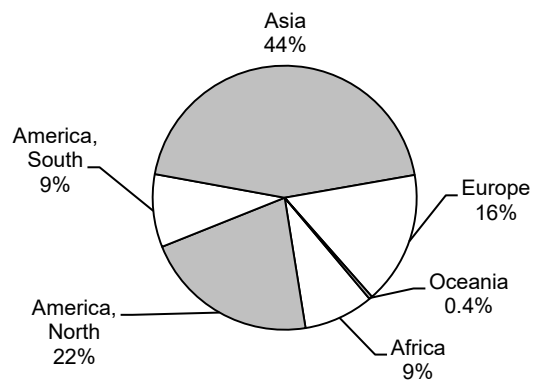


Figure 7: Production of gases by region, 2017

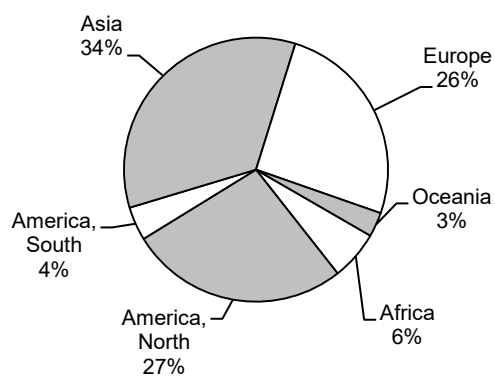


Figure 8: Primary electricity production by region, 2017

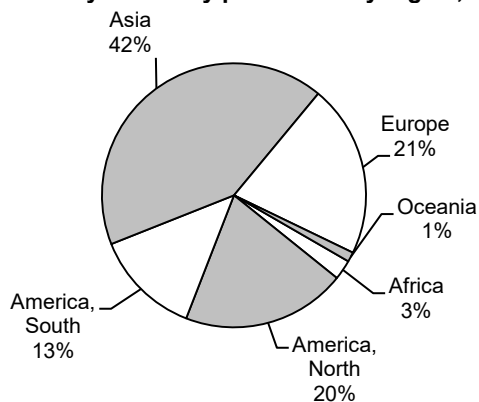


Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
World	2014	567,115	212,020	183,764	123,094	17,248	30,989
	2015	570,508	207,624	188,015	125,657	17,894	31,317
	2016	570,167	200,765	190,835	127,551	19,185	31,831
	2017	581,665	205,704	190,765	132,722	20,239	32,235
Africa	2014	44,344	19,789	16,795	7,025	471	264
	2015	44,265	19,879	16,638	6,970	471	307
	2016	43,763	19,964	15,608	7,378	469	344
	2017	45,629	20,437	16,266	8,082	495	349
Algeria	2014	5,900	0	2,959	2,940	1	..
	2015	5,883	0	2,891	2,990	1	..
	2016	6,283	0	2,947	3,335	1	..
	2017	6,285	0	2,877	3,406	*2	..
Angola	2014	3,855	253	3,559	25	18	..
	2015	4,089	257	3,787	26	19	..
	2016	4,017	262	3,675	58	21	..
	2017	3,820	266	3,327	198	28	..
Benin	2014	108	108	..	..	..	..
	2015	114	114	..	..	0	..
	2016	105	105	..	..	0	..
	2017	114	114	..	..	0	..
Botswana	2014	47	47	..	..	0	..
	2015	56	56	..	..	0	..
	2016	51	51	..	..	0	..
	2017	59	59	..	..	0	..
Burkina Faso	2014	124	124	..	..	0	..
	2015	126	126	..	..	0	..
	2016	128	127	..	0	1	..
	2017	129	129	..	0	0	..
Burundi	2014	56	56	..	..	1	..
	2015	56	55	..	..	0	..
	2016	56	56	..	..	1	..
	2017	56	56	..	..	0	..
Cabo Verde	2014	2	2	..	..	0	..
	2015	*2	*1	..	..	0	..
	2016	*2	*1	..	..	0	..
	2017	*2	*1	..	..	0	..
Cameroon	2014	398	205	161	16	16	..
	2015	493	260	200	17	16	..
	2016	498	267	198	19	15	..
	2017	472	274	163	21	15	..
Central African Rep.	2014	19	18	..	..	1	..
	2015	19	18	..	..	1	..
	2016	19	18	..	..	1	..
	2017	19	18	..	..	1	..
Chad	2014	294	70	224	..	..	..
	2015	375	71	305	..	..	..
	2016	347	72	275	..	..	..
	2017	318	73	245	..	..	..
Comoros	2014	3	3	..	..	..	..
	2015	3	3	..	..	..	..
	2016	3	3	..	..	..	..
	2017	3	3	..	..	..	..
Congo	2014	633	62	557	10	4	..
	2015	609	63	522	18	6	..
	2016	604	65	512	21	6	..
	2017	686	67	592	22	6	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
216,429	217,611	7,061	7,983	2,745	548,145	75
222,880	224,685	7,436	8,166	2,553	550,548	75
229,708	235,491	7,797	8,218	-4,567	552,936	74
239,499	242,710	8,072	8,746	-1,762	563,396	75
7,682	20,080	299	242	240	31,165	27
7,452	20,338	302	246	-29	30,859	26
7,629	19,373	323	216	-76	31,556	26
7,812	20,276	361	194	46	32,562	26
153	3,856	18	11	44	2,123	54
190	3,851	20	11	-33	2,224	56
168	4,223	*17	10	-3	2,203	54
169	4,129	*16	10	12	2,289	55
241	3,460	10	15	-77	688	26
225	*3,735	9	17	1	552	20
228	*3,649	7	14	*4	571	20
215	3,379	13	14	10	618	21
74	3	..	..	2	177	17
79	..	2	..	-2	194	18
92	..	1	0	2	193	18
98	..	1	0	-1	213	19
50	5	0	..	-7	98	45
42	6	0	..	*11	80	36
46	5	0	..	0	92	41
46	5	0	..	..	99	43
41	0	1	..	*-2	165	9
52	0	1	..	*4	172	10
43	0	1	..	-6	176	9
53	0	1	..	*-4	185	10
6	0	0	..	0	62	6
6	0	0	..	0	62	6
7	0	0	..	0	63	6
*8	..	0	..	0	63	6
12	..	2	3	..	9	16
*12	..	*2	*3	..	*9	*16
*13	..	*2	*3	..	*9	*17
*14	..	*2	*3	..	*10	*18
102	178	2	2	0	318	14
89	197	4	0	-1	381	17
88	195	1	0	0	391	17
78	162	1	0	0	388	16
*6	0	*1	..	..	23	5
*6	0	*1	..	..	23	5
*6	0	*1	..	..	23	5
*6	0	*2	..	..	23	5
0	211	*1	..	..	82	6
0	296	*1	..	..	79	6
0	262	*1	..	..	84	6
0	232	*1	..	..	85	6
*2	..	0	..	..	5	6
*3	..	0	..	..	5	7
*3	..	0	..	..	*6	*7
*4	..	0	..	..	*6	*8
14	520	2	..	14	112	23
16	504	2	..	0	119	24
17	495	2	..	0	124	24
9	570	1	..	..	124	24

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Côte d'Ivoire	2014	540	423	40	69	7	..
	2015	526	393	57	71	5	..
	2016	456	270	93	87	6	..
	2017	438	266	85	79	7	..
Dem. Rep. of the Congo	2014	1,179	1,103	45	0	32	..
	2015	1,218	1,141	44	0	32	..
	2016	1,256	1,181	42	0	33	..
	2017	1,264	1,180	51	0	34	..
Djibouti	2014	3	3	..	..	..	..
	2015	4	4	..	..	..	..
	2016	4	4	..	..	..	..
	2017	4	4	..	..	..	..
Egypt	2014	3,240	221	1,490	1,473	56	..
	2015	3,051	223	1,465	1,310	54	..
	2016	3,105	225	1,369	1,455	56	..
	2017	3,418	225	1,341	1,795	56	..
Equatorial Guinea	2014	848	4	588	*255	*1	..
	2015	791	4	537	*249	*1	..
	2016	812	4	459	*347	*1	..
	2017	740	4	398	337	*1	..
Eritrea	2014	26	26	..	..	0	..
	2015	27	27	..	..	0	..
	2016	27	27	..	..	0	..
	2017	28	28	..	..	0	..
Eswatini	2014	37	36	..	..	1	..
	2015	36	35	..	..	1	..
	2016	33	33	..	..	0	..
	2017	*37	*36	..	..	0	..
Ethiopia	2014	1,308	1,273	0	..	34	1
	2015	1,330	1,292	0	..	38	..
	2016	1,356	1,311	0	..	46	..
	2017	1,371	1,320	0	..	50	..
Gabon	2014	539	*53	464	19	3	..
	2015	562	*54	487	19	3	..
	2016	557	*54	481	19	3	..
	2017	494	*55	422	14	3	..
Gambia	2014	7	7	..	..	..	..
	2015	7	7	..	..	..	..
	2016	7	7	..	..	..	..
	2017	7	7	..	..	..	..
Ghana	2014	357	100	225	2	30	..
	2015	372	99	226	25	21	..
	2016	336	99	195	22	20	..
	2017	519	107	359	32	20	..
Guinea	2014	113	112	..	0	2	..
	2015	114	112	..	0	1	..
	2016	114	113	..	0	1	..
	2017	115	113	..	0	2	..
Guinea-Bissau	2014	25	25	..	..	..	..
	2015	25	25	..	..	..	..
	2016	26	26	..	..	..	..
	2017	26	26	..	..	..	..
Kenya	2014	750	632	..	..	13	105
	2015	761	585	..	..	*13	163
	2016	736	560	..	..	14	161
	2017	738	556	..	..	10	171

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
149	106	3	2	-3	580	26
143	124	6	3	-6	543	24
164	152	7	3	0	457	19
160	130	*7	3	-1	458	19
78	45	10	..	..	1,202	16
43	46	5	..	..	1,209	16
32	44	5	..	..	1,240	16
38	51	5	..	..	1,246	15
11	0	4	*1	*1	9	10
12	1	4	*1	1	9	9
12	0	4	*1	*1	10	10
11	1	*4	*1	0	9	9
901	603	29	7	9	3,493	38
1,072	644	22	7	-1	3,450	37
1,274	603	19	2	-1	3,756	39
1,180	557	20	8	2	4,012	41
*13	778	*2	..	*5	76	67
*13	734	*2	..	*4	64	54
*13	795	*2	..	*-26	53	44
*14	733	2	..	*-30	49	39
8	..	0	..	..	34	10
8	..	0	..	..	35	10
9	..	0	..	..	36	11
9	..	0	..	..	37	11
16	6	0	..	..	48	44
18	6	0	..	..	48	43
20	10	0	..	0	44	39
17	11	0	..	*-1	*44	*39
153	3	19	..	-1	1,441	15
156	3	20	..	1	1,462	15
177	5	25	..	0	1,504	15
195	5	27	..	..	1,534	15
24	440	3	7	..	112	60
23	463	3	8	..	112	58
23	457	3	8	..	113	57
23	399	3	7	..	109	54
8	0	*1	..	..	14	7
*8	0	*1	..	..	*14	*7
*8	0	*1	..	..	*14	*7
*8	0	*1	..	..	*14	*7
203	230	5	0	3	321	12
196	223	4	0	1	339	12
229	205	6	0	14	340	12
188	366	7	4	16	315	11
34	0	*1	..	..	146	12
38	0	*1	..	..	150	12
41	0	*1	..	..	154	12
*43	0	*1	..	..	156	12
*5	0	*1	..	..	30	17
*5	0	*1	..	..	30	17
*6	0	*1	..	..	31	17
*6	0	*1	..	..	31	17
591	422	9	1	0	909	20
434	232	13	0	-4	953	20
310	77	31	0	0	938	19
301	73	34	0	0	932	19

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					Heat
		Total	Solids	Liquids	Gases	Electricity	
Lesotho	2014	*22	*20	..	..	2	..
	2015	*20	*19	..	..	2	..
	2016	*19	*17	..	..	2	..
	2017	18	16	..	..	2	..
Liberia	2014	74	73	..	..	0	..
	2015	76	76	..	..	0	..
	2016	79	79	..	..	0	..
	2017	81	81	..	..	0	..
Libya	2014	1,514	6	1,082	426	0	..
	2015	1,314	6	911	397	0	..
	2016	1,208	6	863	339	0	..
	2017	2,233	6	1,915	311	0	..
Madagascar	2014	*201	*198	..	..	3	..
	2015	209	205	..	..	3	..
	2016	263	259	..	..	3	..
	2017	272	269	..	..	3	..
Malawi	2014	68	61	..	..	*7	..
	2015	68	61	..	..	*7	..
	2016	68	61	..	..	*7	..
	2017	68	62	..	..	*7	..
Mali	2014	56	52	..	..	4	..
	2015	56	53	..	..	4	..
	2016	57	53	..	..	4	..
	2017	57	53	..	..	*4	..
Mauritania	2014	31	18	13	..	0	..
	2015	30	19	11	..	0	..
	2016	31	19	11	..	0	..
	2017	30	19	10	..	*1	..
Mauritius	2014	10	10	..	0	0	..
	2015	12	11	..	0	1	..
	2016	11	10	..	0	0	..
	2017	10	10	..	0	1	..
Morocco	2014	59	43	0	3	13	..
	2015	62	43	0	3	16	..
	2016	90	67	0	3	15	4
	2017	89	67	0	3	15	4
Mozambique	2014	689	471	..	160	59	..
	2015	718	485	..	171	62	..
	2016	626	440	..	130	56	..
	2017	831	608	..	173	51	..
Namibia	2014	19	14	..	..	5	0
	2015	20	15	..	..	5	0
	2016	20	15	..	..	5	0
	2017	21	15	..	..	6	0
Niger	2014	*101	*65	36	..	0	..
	2015	100	68	32	..	0	..
	2016	105	70	35	..	0	..
	2017	*98	*59	39	..	0	..
Nigeria	2014	10,666	4,547	4,648	1,451	19	..
	2015	10,677	4,669	4,494	1,494	21	..
	2016	10,058	4,778	3,882	1,378	20	..
	2017	10,402	4,897	3,942	1,542	20	..
Rwanda	2014	*84	*83	..	0	1	..
	2015	*85	*84	..	0	1	..
	2016	*86	*84	..	*1	1	..
	2017	*86	*84	..	*1	1	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply		
		Aviation	Marine		Total	Per capita	
*27	0	0	0	..	..	*49	*23
*26	0	0	0	..	..	*47	*22
*27	0	0	0	..	..	*46	*21
*30	0	0	0	..	..	*48	*21
16	..	0	0	0	..	89	20
16	0	0	0	0	..	92	20
*19	0	0	0	0	..	97	21
*17	0	0	0	0	..	97	21
340	1,033	4	4	4	74	739	119
287	965	2	3	3	..	630	101
257	896	2	3	3	..	562	89
249	1,915	2	9	9	..	555	87
40	0	*2	0	0	*-1	*241	*10
47	0	*2	0	0	0	254	10
47	..	*2	0	0	0	307	12
52	..	2	0	0	0	322	13
11	0	0	0	..	..	79	5
13	0	0	0	..	..	80	5
15	0	0	0	..	..	82	5
17	0	0	0	..	..	84	5
*39	*2	*2	..	..	..	91	5
*42	*2	*2	..	..	..	94	5
*42	*2	*2	..	..	..	95	5
*42	*2	*2	..	..	..	96	5
37	*13	1	..	..	..	54	13
*42	*11	*1	..	..	..	*60	*14
*40	*11	*1	..	..	..	*59	*14
54	*10	*1	..	..	..	73	17
70	..	5	12	-2	..	65	52
75	..	6	12	3	..	67	53
87	*4	6	14	6	..	67	53
108	..	7	19	22	..	69	55
868	51	27	6	64	..	780	22
806	20	28	6	15	..	799	23
778	1	28	6	3	..	831	23
817	1	30	6	1	..	869	24
110	298	5	..	35	..	462	17
89	317	*2	..	*43	..	444	16
120	371	*2	..	*-64	..	437	15
129	500	2	..	7	..	452	15
61	3	2	..	..	..	75	32
62	3	2	..	..	..	78	32
67	3	2	..	..	..	82	33
66	3	2	..	..	..	82	32
5	*12	1	..	2	..	*91	*5
8	*10	2	..	*1	..	94	5
6	13	2	..	0	..	97	5
7	*16	*2	..	*2	..	*85	*4
854	5,378	13	16	-11	..	6,124	35
718	5,388	15	15	-88	..	6,065	33
825	4,551	19	13	45	..	6,255	34
980	4,757	18	13	26	..	6,568	34
12	0	*1	..	..	..	*96	*8
14	0	*1	..	..	..	*98	*8
14	0	*1	..	..	..	*99	*8
14	0	*1	..	..	..	*99	*8

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Sao Tome and Principe	2014	1	1	..	..	0	..
	2015	1	1	..	..	0	..
	2016	1	1	..	..	0	..
	2017	1	1	..	..	0	..
Senegal	2014	76	75	..	1	0	0
	2015	78	77	..	1	0	0
	2016	66	65	..	1	0	1
	2017	67	66	..	1	0	1
Seychelles	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Sierra Leone	2014	53	53	..	..	0	..
	2015	54	53	..	..	*1	..
	2016	54	54	..	..	*1	..
	2017	55	54	..	..	*1	..
Somalia	2014	129	129	..	..	..	..
	2015	129	129	..	..	..	..
	2016	136	136	..	..	..	..
	2017	139	139	..	..	..	..
South Africa	2014	6,739	6,524	13	37	11	153
	2015	6,595	6,377	17	43	20	139
	2016	6,635	6,382	17	39	25	173
	2017	6,653	6,418	6	31	31	167
South Sudan	2014	337	8	329	..	0	..
	2015	321	8	313	..	0	..
	2016	257	8	249	..	0	..
	2017	238	7	231	..	0	..
St. Helena and Depend.	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Sudan	2014	471	197	241	..	32	..
	2015	457	198	229	..	30	..
	2016	432	204	200	..	29	..
	2017	412	205	173	..	34	..
Togo	2014	111	110	..	..	0	..
	2015	113	113	..	..	0	..
	2016	117	116	..	..	1	..
	2017	120	119	..	..	1	..
Tunisia	2014	274	40	120	108	2	4
	2015	260	40	108	105	2	5
	2016	252	45	103	95	2	5
	2017	230	45	87	90	2	6
Uganda	2014	573	561	..	..	12	..
	2015	595	584	..	..	12	..
	2016	618	606	..	..	12	..
	2017	*625	*612	..	..	12	..
United Rep. of Tanzania	2014	715	674	..	32	9	..
	2015	725	687	..	31	8	..
	2016	738	700	..	29	9	..
	2017	755	720	..	27	9	..
Zambia	2014	378	327	..	..	51	..
	2015	389	342	..	..	47	..
	2016	421	381	..	..	40	..
	2017	448	404	..	..	44	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
*2	..	0	..	..	*3	*13
*2	..	0	..	..	*3	*14
*2	..	0	..	..	*3	*14
*2	..	0	..	..	*3	*14
132	31	9	4	-4	169	12
155	34	12	5	-4	187	12
154	37	9	6	-7	175	11
122	11	10	5	*-5	168	11
15	0	*1	*7	..	7	73
15	0	*2	*7	..	7	72
17	0	*2	*7	..	8	88
18	0	*2	7	..	8	86
16	..	0	..	..	69	10
*13	..	0	..	..	67	9
*13	..	0	..	..	68	9
*14	..	0	..	..	68	9
*12	0	2	*1	..	138	10
*12	0	2	*1	..	138	10
*12	0	2	1	..	145	10
*12	0	2	*1	..	148	10
1,424	1,833	61	140	31	6,097	112
1,368	2,043	65	142	-5	5,719	103
1,275	1,898	68	122	-5	5,828	104
1,335	1,915	91	81	-9	5,910	104
22	328	2	..	..	30	3
27	310	3	..	..	35	3
24	246	3	..	..	32	3
21	228	3	..	..	28	3
0	..	..	..	..	0	*27
0	..	..	..	..	0	*25
0	..	..	..	..	0	*25
0	..	..	..	..	0	*26
73	83	*7	1	..	453	12
94	46	*6	1	..	498	13
113	47	*7	1	0	491	12
140	12	*6	1	..	532	13
32	..	3	1	-1	139	19
33	..	4	1	-2	143	19
38	..	4	1	..	150	20
39	..	4	1	..	154	20
309	134	12	1	2	435	39
317	110	9	0	7	452	40
322	103	9	0	1	460	40
340	90	11	0	-5	473	41
58	1	5	..	..	625	16
64	0	4	..	..	655	16
68	1	4	..	..	680	16
74	1	4	..	..	*693	*16
100	..	5	2	..	808	15
109	..	5	2	..	828	15
108	..	5	1	..	839	15
106	..	6	1	..	855	15
42	6	2	..	-6	418	27
52	5	2	..	..	433	27
55	3	2	..	..	471	28
59	5	1	..	..	501	29

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Zimbabwe	2014	482	462	1	..	19	..
	2015	450	431	1	..	18	..
	2016	381	369	1	..	10	..
	2017	427	411	1	..	14	..
America, North	2014	115,266	26,384	39,674	34,384	3,413	11,410
	2015	114,922	23,604	40,984	35,502	3,444	11,388
	2016	110,326	20,170	39,814	35,147	3,741	11,455
	2017	114,222	21,287	41,641	35,785	4,076	11,434
Anguilla	2014	0	0	..	..	..	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Antigua and Barbuda	2014	0	..	..	..	0	..
	2015	0	..	..	..	0	..
	2016	0	..	..	..	0	..
	2017	0	..	..	..	0	..
Aruba	2014	*1	0	0	..	0	..
	2015	*1	0	0	..	0	..
	2016	*1	0	0	..	0	..
	2017	*1	0	0	..	0	..
Bahamas	2014	0	0	..	..	..	..
	2015	0	0	..	..	..	..
	2016	0	0	..	..	..	..
	2017	0	0	..	..	..	..
Barbados	2014	2	1	1	0	0	..
	2015	3	0	1	1	0	..
	2016	3	1	1	0	0	..
	2017	2	0	1	0	0	..
Belize	2014	10	4	4	0	*1	..
	2015	9	5	3	0	*1	..
	2016	9	5	3	0	*1	..
	2017	9	5	2	0	1	..
Bermuda	2014	*1	*1	..	..	..	..
	2015	*1	*1	..	..	..	..
	2016	*1	*1	..	..	..	..
	2017	*1	*1	..	..	..	..
Bonaire, St Eustatius, Saba	2014	0	..	..	..	0	..
	2015	0	..	..	..	0	..
	2016	0	..	..	..	0	..
	2017	0	..	..	..	0	..
British Virgin Islands	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Canada	2014	19,633	1,979	9,252	5,777	1,466	1,160
	2015	19,754	1,814	9,514	5,843	1,482	1,101
	2016	20,075	1,736	9,495	6,234	1,515	1,094
	2017	21,327	1,779	10,483	6,441	1,530	1,094
Cayman Islands	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Costa Rica	2014	110	28	1	0	27	55
	2015	110	27	1	0	33	50
	2016	108	26	1	0	33	48
	2017	102	25	1	0	36	40

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
60	10	1	..	67	465	34
58	10	1	..	24	473	34
57	7	2	..	-39	467	33
60	7	3	..	4	474	33
31,393	27,778	1,165	1,045	970	115,700	205
32,696	28,641	1,269	1,040	2,072	114,597	201
34,854	30,214	1,311	1,192	-1,153	113,617	197
35,140	34,575	1,333	1,360	-1,405	113,499	195
*2	..	..	..	..	*2	*136
*2	..	..	..	..	*2	*151
*2	..	..	..	..	*2	*149
*2	..	..	..	..	*2	*136
*10	0	*3	0	..	*7	*68
*10	0	*3	0	..	*7	*69
*10	0	*3	0	..	*7	*70
*10	0	*3	0	..	*7	*69
*16	0	*4	0	..	*12	*120
*16	0	*4	0	..	*13	*122
*16	0	*4	0	..	*13	*120
*17	..	*4	0	..	*13	*123
38	0	*2	*6	*4	34	89
*26	0	*2	*5	*-10	*29	*76
16	0	*1	*2	*-13	26	66
28	0	*1	*4	*-5	29	72
21	1	*6	..	0	17	59
22	1	*6	..	1	17	59
22	1	*5	..	1	17	60
21	1	*6	..	1	16	55
7	4	1	..	0	13	37
10	3	1	..	0	16	44
10	3	1	..	0	15	42
10	2	1	..	0	16	43
11	..	*1	0	*1	10	157
8	..	*1	0	-1	8	130
9	..	*1	0	0	9	149
10	..	*1	0	*1	9	151
*14	..	0	*9	..	*5	*216
*14	..	0	*9	..	*5	*214
*14	..	0	*9	..	*5	*215
*15	..	0	*9	..	*5	*214
*3	..	..	..	..	*3	*101
*3	..	..	..	..	*3	*99
*3	..	..	..	..	*3	*97
*2	..	..	..	..	*2	*77
3,436	11,135	34	15	171	11,713	329
3,646	11,536	36	9	61	11,757	327
3,717	12,001	26	14	-7	11,758	324
3,539	12,632	26	16	103	12,088	330
9	..	1	..	..	8	133
9	..	1	..	..	8	133
9	..	2	..	..	8	129
10	..	2	..	..	8	135
113	3	*7	..	1	213	45
108	3	*7	..	0	207	43
116	3	*8	..	-1	213	44
124	3	8	..	2	212	43

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Cuba	2014	212	47	123	42	1	..
	2015	212	48	120	44	0	..
	2016	193	39	111	42	0	..
	2017	195	50	107	37	1	..
Curaçao	2014	1	..	..	..	1	..
	2015	1	..	..	..	1	..
	2016	1	..	..	..	1	..
	2017	1	..	..	..	1	..
Dominica	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Dominican Republic	2014	25	20	..	..	6	..
	2015	23	18	..	..	5	..
	2016	26	20	..	..	7	..
	2017	32	22	..	..	10	..
El Salvador	2014	86	24	..	0	6	56
	2015	85	24	..	1	5	55
	2016	85	23	..	1	5	57
	2017	89	25	..	1	6	56
Greenland	2014	2	0	..	..	1	..
	2015	2	0	..	..	2	..
	2016	2	0	..	..	1	..
	2017	1	0	..	..	1	..
Grenada	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Guatemala	2014	303	255	21	..	17	9
	2015	289	244	21	..	15	9
	2016	354	309	19	..	16	10
	2017	343	291	20	..	22	9
Haiti	2014	136	135	..	..	0	..
	2015	139	138	..	..	0	..
	2016	141	140	..	..	0	..
	2017	142	142	..	..	0	..
Honduras	2014	107	96	..	..	11	..
	2015	118	105	..	..	12	..
	2016	120	107	..	..	14	..
	2017	126	106	..	..	17	3
Jamaica	2014	7	6	..	..	1	..
	2015	7	6	..	..	1	..
	2016	6	5	..	..	1	..
	2017	*6	*4	..	..	2	..
Mexico	2014	8,807	689	6,063	1,562	164	329
	2015	8,031	602	5,483	1,441	143	362
	2016	7,644	652	5,220	1,276	150	346
	2017	6,989	654	4,721	1,115	157	342
Montserrat	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Nicaragua	2014	91	62	..	..	4	24
	2015	92	64	..	..	4	24
	2016	93	64	..	..	4	25
	2017	93	62	..	..	4	27

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
332	81	*5	27	..	431	38
327	*51	*5	27	..	457	40
294	*24	2	26	..	434	38
266	*34	*5	*18	..	404	35
523	370	3	67	..	84	536
507	347	3	66	..	92	582
466	319	3	65	..	80	502
407	264	3	65	..	76	473
*2	0	0	0	0	*3	*36
*2	0	0	0	0	*3	*36
*3	0	0	0	0	*3	*37
*2	0	0	0	0	*2	*33
293	0	21	..	-1	299	29
325	0	22	..	1	325	31
345	0	22	0	0	349	33
337	0	24	1	-1	344	32
92	2	7	..	0	170	27
100	0	7	..	0	179	28
106	7	7	..	0	177	28
101	8	7	..	..	175	27
7	..	..	1	0	9	152
8	..	..	0	1	9	155
8	..	..	1	0	9	153
8	..	..	1	0	9	156
4	..	0	..	0	4	35
4	..	0	..	0	4	38
4	..	0	..	0	4	39
4	..	0	..	0	4	40
204	34	1	15	13	444	28
243	38	3	16	22	453	28
244	38	3	17	9	531	32
250	37	4	18	4	530	31
39	..	1	..	0	174	16
45	..	1	..	0	183	17
46	..	1	..	..	185	17
46	..	1	..	..	188	17
132	20	3	0	-10	226	26
123	21	3	0	-31	247	28
124	11	2	1	-12	242	27
130	0	2	1	0	252	27
120	16	..	2	1	108	38
129	19	..	1	1	113	39
130	20	..	1	-1	116	40
130	20	..	2	2	111	38
2,482	3,112	134	35	47	7,961	64
2,954	3,025	143	36	-49	7,830	62
3,530	3,151	154	38	6	7,826	61
3,935	3,066	165	34	37	7,622	59
1	..	0	0	0	1	133
1	..	0	0	0	1	149
0	..	0	0	0	0	81
0	..	0	0	0	0	72
64	2	1	..	0	152	25
73	1	1	..	0	163	27
74	1	1	..	-2	167	27
76	1	1	..	0	167	27

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Panama	2014	31	12	..	..	19	..
	2015	36	12	..	..	24	..
	2016	39	13	..	..	26	..
	2017	42	13	..	..	28	..
Puerto Rico	2014	1	..	..	..	1	..
	2015	1	..	..	..	1	..
	2016	1	..	..	..	1	..
	2017	*1	..	..	..	*1	..
Sint Maarten (Dutch part)	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
St. Kitts-Nevis	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
St. Lucia	2014	0	0	..	..	..	..
	2015	0	0	..	..	..	..
	2016	0	0	..	..	..	..
	2017	0	0	..	..	..	..
St. Pierre-Miquelon	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	..	..
St. Vincent-Grenadines	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Trinidad and Tobago	2014	1,663	0	227	1,436	0	..
	2015	1,557	0	217	1,339	0	..
	2016	1,370	0	195	1,175	0	..
	2017	1,367	0	197	1,170	0	..
Turks and Caicos Islands	2014	0	0	..	..	..	..
	2015	0	0	..	..	..	..
	2016	0	0	..	..	..	..
	2017	0	0	..	..	0	..
United States	2014	84,036	23,026	23,982	25,565	1,686	9,777
	2015	84,453	20,495	25,624	26,834	1,714	9,787
	2016	80,055	17,028	24,768	26,419	1,965	9,874
	2017	83,352	18,106	26,107	27,022	2,257	9,861
United States Virgin Is.	2014	0	..	..	..	0	..
	2015	0	..	..	..	0	..
	2016	0	..	..	..	0	..
	2017	0	..	..	..	0	..
America, South	2014	31,197	6,493	17,368	4,655	2,450	232
2015	31,960	6,440	18,142	4,701	2,438	239	
2016	31,955	6,620	17,673	4,842	2,557	264	
2017	31,442	6,666	17,069	4,831	2,636	242	
Argentina	2014	3,022	79	1,424	1,307	150	62
	2015	3,072	77	1,417	1,352	150	77
	2016	3,122	78	1,401	1,417	137	*89
	2017	3,035	85	1,329	1,405	151	66
Bolivia (Plur. State of)	2014	963	43	145	767	8	..
	2015	954	45	139	761	9	..
	2016	915	47	136	725	6	..
	2017	878	42	132	696	8	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
269	0	26	122	-15	166	43
266	1	28	124	-21	171	43
299	1	30	143	-5	169	42
339	1	30	173	-20	197	48
55	..	..	..	..	56	16
52	..	..	..	..	53	16
59	..	..	..	..	61	18
49	..	..	..	..	50	16
*21	..	*2	*8	..	*11	*303
*22	..	*2	*8	..	*12	*305
*22	..	*2	*8	..	*12	*302
*22	..	*2	*8	..	*12	*292
*3	..	0	..	..	*3	*61
*4	..	0	..	..	*3	*62
*4	..	0	..	..	*3	*63
*4	..	0	..	..	*3	*63
5	..	..	0	..	5	29
5	..	..	0	..	5	30
5	..	..	0	..	5	28
5	..	..	0	..	5	29
*1	..	..	0	..	*1	*172
*1	..	..	0	..	*1	*171
*1	..	..	0	..	*1	*171
1	..	..	0	..	1	171
4	0	0	..	..	4	37
3	0	0	..	..	3	29
4	0	0	..	..	4	35
*4	0	0	..	..	*4	*35
126	946	9	18	-8	825	609
171	892	11	21	7	797	586
221	830	14	26	14	707	518
193	816	10	21	10	703	514
*3	..	..	..	..	*3	*83
*3	..	..	..	..	*3	*84
*3	..	..	..	..	*3	*86
*3	..	..	..	..	*3	*91
22,928	12,051	895	719	775	92,524	291
23,452	12,701	981	717	2,088	91,418	286
24,916	13,804	1,019	839	-1,142	90,451	281
25,039	17,690	1,027	986	-1,539	90,228	278
..	..	..	..	..	0	*1
..	..	..	..	..	0	*1
..	..	..	..	..	0	*1
..	..	..	..	..	0	*1
6,181	12,456	298	311	65	24,248	59
5,903	13,117	289	304	41	24,112	58
5,579	12,973	292	239	-214	24,243	58
5,841	13,472	300	236	-883	24,158	57
690	243	39	63	-2	3,368	78
644	196	40	37	9	3,435	79
640	255	41	28	-1	3,439	78
649	219	43	33	4	3,385	76
46	664	4	..	0	341	32
42	646	4	..	1	345	32
38	587	4	..	-2	363	33
51	555	3	..	-2	371	34

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Brazil	2014	11,076	2,972	5,795	754	1,388	166
	2015	11,969	3,028	6,638	770	1,373	159
	2016	12,666	3,078	7,125	800	1,492	171
	2017	13,066	3,119	7,390	897	1,490	170
Chile	2014	540	398	18	30	90	3
	2015	541	390	12	39	98	1
	2016	525	365	11	46	102	2
	2017	543	376	12	47	104	4
Colombia	2014	5,397	2,591	2,198	447	162	..
	2015	5,367	2,496	2,274	435	162	..
	2016	5,208	2,662	1,977	400	169	..
	2017	5,171	2,652	1,901	411	207	..
Ecuador	2014	1,284	23	1,189	30	42	0
	2015	1,260	23	1,161	29	48	0
	2016	1,288	23	1,176	31	57	0
	2017	1,263	24	1,137	29	73	0
Falkland Is. (Malvinas)	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Guyana	2014	7	7	..	..	0	..
	2015	7	7	..	..	0	..
	2016	7	7	..	..	0	..
	2017	7	7	..	..	0	..
Paraguay	2014	319	116	4	..	199	..
	2015	324	118	5	..	201	..
	2016	350	114	6	..	230	..
	2017	338	116	6	..	215	..
Peru	2014	997	106	313	497	81	0
	2015	938	100	269	479	88	1
	2016	957	98	233	531	94	1
	2017	912	96	233	471	110	1
Suriname	2014	40	2	35	0	3	..
	2015	40	2	36	0	3	..
	2016	39	2	34	0	3	..
	2017	39	2	34	0	3	..
Uruguay	2014	113	73	2	..	37	..
	2015	126	86	3	..	37	..
	2016	131	88	3	..	40	..
	2017	136	92	3	..	41	..
Venezuela (Bolivar. Rep.)	2014	7,439	83	6,243	823	290	..
	2015	7,361	67	6,187	837	270	..
	2016	6,748	59	5,570	892	227	..
	2017	6,055	56	4,890	875	234	..
Asia	2014	258,837	125,590	79,221	42,001	6,653	5,371
	2015	261,124	123,462	80,992	43,705	7,221	5,745
	2016	264,678	119,767	85,881	44,715	7,950	6,365
	2017	268,302	122,875	84,128	45,996	8,513	6,790
Afghanistan	2014	63	55	..	5	*3	..
	2015	60	52	..	5	*3	..
	2016	70	60	..	6	*3	..
	2017	82	73	..	5	*3	..
Armenia	2014	50	16	..	..	7	27
	2015	45	6	..	..	8	30
	2016	43	9	..	..	8	26
	2017	45	9	..	..	8	28

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
3,314	1,425	105	146	42	12,672	62
3,083	2,007	103	174	-17	12,786	62
2,528	2,245	95	143	33	12,677	61
2,784	2,698	93	141	18	12,900	62
1,045	77	27	8	6	1,467	83
1,047	45	23	5	4	1,510	85
1,143	50	24	5	6	1,582	88
1,141	46	26	6	4	1,603	89
186	3,836	46	13	63	1,627	34
129	3,880	*38	10	44	1,524	32
211	3,808	*47	14	-219	1,770	36
120	4,378	56	11	-832	1,677	34
301	939	9	32	-24	630	40
296	930	8	34	-20	603	37
246	929	10	12	-15	597	36
254	902	11	15	-26	615	37
0	..	..	..	..	1	192
0	..	..	..	..	1	197
0	..	..	..	..	1	195
0	..	..	..	..	1	183
28	..	0	..	0	34	45
28	..	1	..	0	35	45
31	..	1	..	0	37	48
31	..	1	..	0	37	47
78	153	2	..	1	241	37
84	151	1	..	0	255	38
103	177	2	..	3	271	40
108	160	3	..	-5	288	42
331	390	35	..	14	890	29
364	356	37	..	19	890	28
464	441	42	..	-14	953	30
535	482	43	..	-38	960	30
27	19	*2	2	0	45	81
23	17	*2	2	0	43	78
21	18	*2	2	0	37	67
20	16	*2	2	..	40	71
103	6	3	9	-1	199	58
105	5	4	7	3	213	62
96	3	4	6	-3	217	63
90	5	4	4	-5	217	63
31	4,705	26	37	-33	2,734	89
56	4,884	29	34	-2	2,472	79
56	4,459	21	29	-2	2,297	73
58	4,010	15	25	-1	2,064	65
103,618	89,454	2,832	4,091	962	265,116	61
106,770	90,656	3,069	4,357	238	269,575	61
111,633	99,062	3,275	4,344	-2,148	271,779	61
117,853	98,951	3,380	4,706	71	279,048	62
74	8	0	..	..	129	4
88	12	0	..	..	135	4
72	21	0	..	..	121	3
69	28	0	..	..	123	3
99	5	*2	..	..	142	49
95	10	*1	..	1	127	44
94	5	2	..	0	129	44
101	5	2	..	1	137	47

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Azerbaijan	2014	2,477	6	1,805	662	5	..
	2015	2,474	6	1,785	676	6	..
	2016	2,429	4	1,760	658	7	..
	2017	2,308	4	1,658	639	6	..
Bahrain	2014	961	0	443	519	..	..
	2015	957	0	441	517	0	..
	2016	940	0	443	497	0	..
	2017	942	0	431	512	0	..
Bangladesh	2014	1,438	610	11	814	3	..
	2015	1,509	606	13	887	3	..
	2016	1,601	615	14	968	4	..
	2017	1,605	619	18	964	4	..
Bhutan	2014	75	49	..	..	26	..
	2015	77	49	..	..	28	..
	2016	79	50	..	..	29	..
	2017	79	52	..	..	28	..
Brunei Darussalam	2014	679	0	264	415	0	..
	2015	673	0	279	394	0	..
	2016	633	0	252	380	0	..
	2017	652	0	235	416	0	..
Cambodia	2014	178	172	..	..	7	..
	2015	184	177	..	..	7	..
	2016	191	182	..	..	9	..
	2017	198	188	..	..	10	..
China	2014	101,498	81,774	9,273	4,572	4,448	1,431
	2015	100,864	80,044	9,334	4,765	4,877	1,845
	2016	95,802	74,411	8,737	4,980	5,371	2,303
	2017	99,218	76,957	8,447	5,442	5,694	2,679
China, Hong Kong SAR	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
China, Macao SAR	2014	*5	*5	..	..	..	..
	2015	*5	*5	..	..	..	..
	2016	*5	*5	..	..	..	..
	2017	*6	*6	..	..	..	..
Cyprus	2014	5	1	0	0	1	3
	2015	5	0	0	0	1	3
	2016	5	1	0	0	1	3
	2017	6	1	0	1	1	3
Georgia	2014	61	28	2	0	30	1
	2015	58	25	2	0	30	1
	2016	60	24	2	0	34	1
	2017	58	22	1	0	33	1
India	2014	22,590	18,707	1,761	1,151	581	390
	2015	22,818	19,005	1,740	*1,097	571	404
	2016	23,219	19,343	1,747	1,106	614	409
	2017	23,410	19,436	1,746	1,132	682	414
Indonesia	2014	18,821	13,678	2,087	2,421	68	567
	2015	18,140	13,401	1,987	2,380	63	309
	2016	19,030	14,169	2,054	2,345	77	384
	2017	19,187	14,317	2,097	2,247	67	460
Iran (Islamic Rep. of)	2014	13,368	113	6,951	6,205	51	48
	2015	13,637	116	6,893	6,545	52	31
	2016	16,412	*115	9,087	7,079	60	71
	2017	17,740	*126	9,836	7,641	56	81

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
12	1,893	15	3	-9	587	62
12	1,889	12	2	-22	605	63
25	1,857	8	2	-13	599	62
94	1,770	7	2	21	602	61
458	847	17	..	-5	559	418
475	836	19	..	-4	580	423
462	819	19	2	6	557	390
483	841	20	..	-15	580	389
258	4	14	4	-21	1,695	11
295	2	15	4	-7	1,790	11
271	5	15	5	-16	1,864	11
326	2	17	5	-18	1,925	12
8	19	0	..	..	64	83
8	21	0	..	..	64	81
8	21	0	..	..	66	83
9	21	0	..	..	67	83
16	538	3	3	3	149	362
14	566	4	4	0	114	273
16	523	3	2	-3	124	293
19	521	3	..	-5	153	356
92	..	4	..	..	267	17
115	..	4	..	..	295	19
130	..	4	..	..	318	20
144	..	5	..	-2	339	21
22,210	1,980	307	289	1,444	119,688	86
21,993	2,411	334	374	-187	119,926	86
25,500	3,035	369	391	-2,375	119,882	85
28,316	3,205	409	412	-91	123,598	88
1,185	25	257	316	-6	593	82
1,298	33	271	360	59	576	79
1,314	20	276	375	53	590	81
1,344	17	292	450	-2	587	80
36	..	..	3	0	38	65
44	..	..	3	1	45	74
43	..	..	3	0	46	74
46	..	..	3	1	48	78
96	0	10	10	-2	83	72
104	1	10	10	3	85	73
111	1	12	12	1	91	78
113	0	13	11	1	94	79
136	5	4	..	0	188	47
161	17	3	..	1	198	50
157	11	3	..	0	203	52
161	11	4	..	-1	204	52
15,057	2,732	*167	55	-169	34,862	27
16,294	2,748	*193	57	48	36,066	28
16,514	2,869	*216	61	-214	36,802	28
17,906	3,254	*167	64	-252	38,083	28
2,141	12,588	57	12	-249	8,554	34
2,280	10,891	37	12	-30	9,511	37
2,174	11,032	34	14	-119	10,244	39
2,303	11,440	43	14	*35	9,959	38
403	3,611	56	150	-32	9,986	127
478	3,863	58	197	7	9,989	126
437	6,581	66	83	-160	10,278	128
372	7,192	70	58	-195	10,987	135

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Iraq	2014	6,772	2	6,528	231	11	..
	2015	7,565	2	7,316	238	*9	..
	2016	9,667	2	9,391	261	12	..
	2017	9,881	2	9,575	297	8	..
Israel	2014	284	2	3	260	3	16
	2015	308	2	3	283	4	16
	2016	347	2	5	318	6	16
	2017	375	2	3	348	6	16
Japan	2014	1,185	546	22	102	402	112
	2015	1,345	552	20	101	459	212
	2016	1,460	561	19	108	470	301
	2017	1,727	618	19	112	520	459
Jordan	2014	7	3	0	4	0	..
	2015	8	3	0	4	1	..
	2016	10	3	0	3	3	..
	2017	11	3	0	4	4	..
Kazakhstan	2014	6,761	1,978	3,443	1,309	30	..
	2015	6,629	1,813	3,386	1,397	34	..
	2016	6,647	1,812	3,324	1,468	43	..
	2017	7,359	1,983	3,671	1,663	42	..
Korea, Dem.Ppl's.Rep.	2014	773	726	..	..	47	..
	2015	788	752	..	..	36	..
	2016	891	845	..	..	46	..
	2017	646	603	..	..	43	..
Korea, Republic of	2014	2,033	236	52	21	25	1,699
	2015	2,125	241	51	15	29	1,789
	2016	2,125	258	58	13	37	1,760
	2017	2,028	288	60	20	45	1,615
Kuwait	2014	6,943	0	6,429	514	..	..
	2015	7,004	0	6,425	578	..	..
	2016	7,271	0	6,680	591	0	..
	2017	6,919	0	6,334	585	0	..
Kyrgyzstan	2014	80	28	3	1	48	..
	2015	75	30	5	1	40	..
	2016	77	28	6	1	41	..
	2017	88	28	7	1	51	..
Lao People's Dem. Rep.	2014	128	71	..	..	56	..
	2015	162	111	..	..	51	..
	2016	267	202	..	..	65	..
	2017	276	205	..	..	72	..
Lebanon	2014	7	5	..	..	1	1
	2015	8	5	..	..	2	1
	2016	7	5	..	..	1	1
	2017	*8	*5	..	..	2	*1
Malaysia	2014	3,738	104	1,303	2,281	49	..
	2015	3,748	101	1,418	2,178	51	..
	2016	3,787	99	1,460	2,154	73	..
	2017	3,830	112	1,433	2,188	97	..
Maldives	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Mongolia	2014	677	640	37	..	..	..
	2015	654	610	44	..	..	..
	2016	959	918	41	..	..	..
	2017	1,311	1,273	38	..	..	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
649	5,247	23	8	87	2,055	59
572	6,259	23	9	-152	1,997	55
754	7,939	29	11	133	2,309	62
742	8,048	28	12	15	2,521	66
963	294	35	6	5	907	114
988	283	37	11	14	951	118
892	261	40	6	-30	962	117
940	267	45	10	29	965	116
18,230	674	266	153	-123	18,445	144
17,901	791	268	172	-58	18,073	141
17,548	797	280	181	-74	17,824	140
17,569	770	293	169	-52	18,116	142
355	0	6	0	5	352	40
364	1	4	0	5	361	39
389	26	4	4	4	361	38
426	39	3	3	8	384	40
308	4,020	*10	0	40	2,999	171
311	3,901	*13	0	19	3,006	169
347	3,778	*15	0	13	3,188	177
335	4,295	*21	0	42	3,335	183
44	411	..	..	..	406	16
70	527	..	..	..	332	13
81	599	..	..	..	374	15
63	*130	..	..	*272	307	12
12,233	2,473	178	339	51	11,225	223
12,565	2,633	183	378	68	11,428	226
13,025	2,695	204	422	-1	11,829	233
13,252	2,799	209	409	42	11,821	232
115	5,655	32	47	-22	1,346	356
138	5,677	33	50	-70	1,452	369
172	5,901	32	45	-68	1,532	378
192	5,533	40	39	-85	1,584	383
103	10	0	..	2	171	30
118	10	5	..	12	167	29
96	10	5	..	-4	162	27
96	16	1	..	5	162	27
41	47	*2	..	..	120	18
50	42	*1	..	..	169	25
*45	*67	*1	..	*34	209	31
*46	*85	*2	..	*-1	237	35
311	..	*10	*1	..	307	49
340	..	*9	*1	..	337	52
352	..	*11	*1	..	348	52
374	..	*12	*1	..	369	54
1,895	2,019	108	8	-37	3,535	117
1,912	2,156	107	14	-41	3,424	111
2,071	2,266	103	12	-51	3,527	113
2,042	2,259	110	16	4	3,482	110
29	..	*8	*3	..	19	43
22	..	*1	*2	..	19	41
24	..	*1	*2	..	21	44
24	..	*1	*2	..	22	43
53	437	..	..	-50	342	117
53	418	..	..	17	272	91
49	716	..	..	-3	294	97
61	851	..	..	126	395	128

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Myanmar	2014	1,065	465	33	535	32	..
	2015	1,176	465	34	642	34	..
	2016	1,207	474	28	670	35	..
	2017	1,186	482	25	639	*39	..
Nepal	2014	451	431	..	7	13	..
	2015	424	399	..	12	13	..
	2016	430	403	..	12	15	..
	2017	438	410	..	12	17	..
Oman	2014	3,101	0	1,966	1,134	..	..
	2015	3,228	0	2,044	1,184	..	..
	2016	3,310	0	2,101	1,209	..	..
	2017	3,242	0	2,028	1,214	..	..
Other Asia	2014	566	66	3	12	23	462
	2015	511	74	3	11	25	398
	2016	451	62	0	10	33	346
	2017	350	63	0	8	32	247
Pakistan	2014	2,152	644	206	1,131	117	55
	2015	2,174	646	198	1,147	120	63
	2016	*2,122	665	203	*1,076	128	50
	2017	*2,175	674	213	*1,090	123	74
Philippines	2014	986	406	45	130	34	371
	2015	999	402	43	122	34	398
	2016	1,106	487	45	140	37	399
	2017	1,098	507	41	138	43	370
Qatar	2014	9,167	0	3,205	5,961	..	..
	2015	9,316	0	3,101	6,214	..	..
	2016	9,518	0	3,224	6,294	..	..
	2017	9,387	0	3,116	6,271	..	..
Saudi Arabia	2014	25,904	..	22,993	2,911	0	..
	2015	27,184	..	23,515	3,668	0	..
	2016	28,132	..	24,238	3,893	0	..
	2017	27,155	..	23,117	4,039	0	..
Singapore	2014	27	27	..	..	0	..
	2015	28	28	..	..	0	..
	2016	28	28	..	..	1	..
	2017	28	27	..	..	1	..
Sri Lanka	2014	179	161	..	..	18	..
	2015	181	158	..	..	23	..
	2016	169	153	..	..	17	..
	2017	167	150	..	..	17	..
State of Palestine	2014	9	4	..	..	0	5
	2015	9	4	..	..	0	5
	2016	10	4	..	..	0	5
	2017	10	4	..	..	0	6
Syrian Arab Republic	2014	237	0	59	166	11	..
	2015	196	0	49	146	1	..
	2016	177	0	46	127	3	..
	2017	172	0	44	126	3	..
Tajikistan	2014	*126	*66	1	0	59	..
	2015	*131	*69	1	0	61	..
	2016	144	83	1	0	60	..
	2017	*157	*94	1	0	62	..
Thailand	2014	3,376	1,235	863	1,252	26	0
	2015	3,161	1,125	900	1,110	27	0
	2016	3,312	1,260	921	1,092	39	0
	2017	3,150	1,158	910	1,027	55	0

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply		
		Aviation	Marine		Total	Per capita	
154	457	..	..	0	30	731	14
154	450	..	..	0	32	848	16
203	529	..	..	..	10	872	16
166	*500	..	..	..	-2	854	16
97	0	*6	..	..	0	542	19
79	0	4	..	..	0	499	17
120	0	6	..	..	0	544	19
139	0	7	..	..	..	571	19
85	2,105	22	48	-2	..	1,014	256
84	2,188	22	52	3	..	1,048	249
85	2,291	10	68	7	..	1,020	230
95	2,180	13	41	0	..	1,102	238
4,982	735	106	47	56	..	4,603	197
4,958	711	113	44	47	..	4,554	194
5,038	727	121	52	11	..	4,579	194
5,150	716	125	49	10	..	4,600	195
1,208	36	9	8	29	..	3,279	18
1,317	18	9	6	13	..	3,445	18
1,698	20	11	4	2	..	3,784	20
2,148	33	*11	2	*-3	..	4,280	22
1,115	191	46	4	-11	..	1,871	19
1,277	156	54	1	14	..	2,050	20
1,376	234	58	2	5	..	2,183	21
1,487	225	71	4	-35	..	2,321	22
1	7,261	55	..	29	..	1,822	767
26	7,351	53	..	110	..	1,828	737
24	7,586	76	..	118	..	1,762	686
5	7,488	121	..	-15	..	1,798	681
1,011	17,894	101	130	-87	..	8,876	288
1,274	18,324	116	128	161	..	9,728	308
1,194	19,916	124	140	511	..	8,635	268
1,228	19,210	135	134	-43	..	8,946	272
6,779	3,671	*297	1,717	*-4	..	1,126	207
7,236	3,855	*304	1,829	40	..	1,236	223
7,369	4,152	*322	1,969	-17	..	971	173
7,899	4,349	*332	2,051	*27	..	1,166	204
246	1	20	14	-18	..	408	20
256	8	16	15	-36	..	433	21
300	4	23	24	-49	..	467	22
308	0	24	23	-33	..	461	22
57	0	..	..	-2	..	69	15
63	0	..	..	0	..	72	16
67	0	..	..	0	..	77	16
68	0	..	..	..	..	78	16
254	25	1	10	0	..	454	24
257	26	1	7	..	..	419	22
276	28	1	7	..	..	418	23
236	28	0	6	..	..	374	20
40	5	3	..	..	..	158	19
43	6	2	..	..	..	167	19
42	6	2	..	..	..	178	20
36	5	1	..	..	..	187	21
3,028	531	156	41	-25	..	5,701	83
3,315	595	164	47	9	..	5,662	82
3,303	543	174	49	36	..	5,812	84
3,477	591	183	47	29	..	5,777	84

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Timor-Leste	2014	142	1	142	..	..	..
	2015	*147	1	*146	..	..	..
	2016	121	1	120	..	..	..
	2017	54	1	54	..	..	..
Turkey	2014	1,306	809	112	26	177	181
	2015	1,317	655	116	24	284	238
	2016	1,495	760	118	27	302	287
	2017	1,527	761	118	30	284	334
Turkmenistan	2014	3,270	0	541	2,730	..	..
	2015	3,407	0	553	2,854	..	..
	2016	3,230	0	510	2,720	..	..
	2017	3,223	0	477	2,745	..	..
United Arab Emirates	2014	9,343	..	7,436	1,905	0	*3
	2015	10,235	..	8,118	2,113	0	*3
	2016	10,544	..	8,396	2,145	0	*2
	2017	9,692	..	7,583	2,104	2	3
Uzbekistan	2014	2,120	66	130	1,902	22	..
	2015	2,120	53	124	1,918	25	..
	2016	2,176	59	120	1,971	26	..
	2017	2,205	61	125	1,989	30	..
Viet Nam	2014	2,975	1,646	748	359	222	..
	2015	3,082	1,661	839	374	207	..
	2016	2,894	1,598	688	373	235	..
	2017	2,812	1,545	618	327	321	..
Yemen	2014	678	5	322	351	0	..
	2015	173	5	64	103	0	..
	2016	66	5	41	18	2	..
	2017	77	5	47	22	3	..
Europe	2014	101,140	21,421	29,770	32,494	4,041	13,413
	2015	101,198	21,351	30,350	32,071	4,109	13,316
	2016	102,151	21,646	30,990	32,196	4,238	13,081
	2017	104,101	21,775	30,903	34,045	4,281	13,097
Albania	2014	85	8	58	1	17	1
	2015	87	10	54	1	21	0
	2016	82	8	45	3	26	1
	2017	69	10	41	2	16	1
Andorra	2014	1	0	..	..	0	..
	2015	1	0	..	..	0	..
	2016	1	0	..	..	0	..
	2017	*1	0	..	..	0	..
Austria	2014	508	220	57	57	164	9
	2015	497	222	55	56	154	9
	2016	506	227	50	53	166	9
	2017	507	230	47	54	166	9
Belarus	2014	167	87	74	6	0	..
	2015	163	83	73	7	1	..
	2016	166	86	73	6	1	..
	2017	180	98	74	6	2	..
Belgium	2014	525	90	23	9	28	375
	2015	445	95	16	10	32	293
	2016	637	98	15	10	32	482
	2017	626	94	18	9	36	469
Bosnia and Herzegovina	2014	180	159	..	..	21	..
	2015	173	153	..	..	20	..
	2016	199	178	..	..	20	..
	2017	194	180	..	..	14	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
*7	*142	0	..	..	*8	*7
*7	*146	0	..	..	*8	*6
*7	*120	0	..	..	*8	*6
*7	*54	0	..	..	*8	*6
4,264	330	112	42	-4	5,089	66
4,710	360	153	35	89	5,390	69
4,743	306	147	36	33	5,715	72
5,205	327	152	35	80	6,138	76
0	2,127	21	..	..	1,123	205
0	2,227	21	..	..	1,160	208
0	2,052	21	..	..	1,158	204
0	2,044	21	..	..	1,158	201
1,910	6,833	247	607	..	3,566	393
1,788	7,176	344	*521	..	3,981	435
1,759	7,826	365	*345	*2	3,765	406
1,399	7,011	326	622	91	3,042	324
43	389	*3	..	0	1,771	58
50	430	*2	..	-2	1,740	56
51	423	*2	..	3	1,799	57
47	373	*2	..	-3	1,880	59
515	637	31	8	*58	2,757	30
593	520	41	7	*74	3,033	32
713	437	62	8	*66	3,034	32
704	406	38	9	83	2,980	31
207	541	3	6	..	335	13
127	114	1	5	..	180	7
93	*9	0	5	..	145	5
80	*10	0	4	..	142	5
64,961	55,754	2,261	2,248	460	105,379	142
67,492	59,227	2,300	2,176	168	104,818	141
67,360	60,701	2,371	2,186	-832	105,085	141
70,157	61,825	2,451	2,211	261	107,510	144
86	49	0	1	13	107	37
63	53	0	1	6	91	31
61	45	0	1	5	91	31
66	28	0	2	6	100	34
8	0	0	..	..	9	111
8	0	0	..	..	9	113
8	0	0	..	..	9	116
8	0	0	..	..	9	117
1,187	279	28	1	43	1,345	156
1,263	412	30	1	-48	1,366	157
1,338	450	33	1	-15	1,375	158
1,346	413	31	1	4	1,404	161
1,703	686	5	..	9	1,171	123
1,713	817	5	..	-13	1,067	112
1,534	662	5	..	-27	1,060	112
1,546	640	6	..	-1	1,081	114
3,304	1,332	57	228	23	2,190	195
3,410	1,322	62	246	40	2,185	194
3,317	1,318	62	282	-19	2,311	203
3,513	1,507	68	317	-52	2,301	201
133	61	0	..	0	252	71
140	52	0	..	11	250	71
143	55	0	..	4	282	80
146	51	0	..	11	278	79

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Bulgaria	2014	474	261	4	7	26	176
	2015	505	296	3	4	31	171
	2016	473	264	4	6	24	175
	2017	491	288	5	5	21	173
Croatia	2014	182	58	27	62	35	1
	2015	184	64	29	63	26	1
	2016	185	65	32	59	29	1
	2017	176	65	32	54	24	1
Czechia	2014	1,246	844	22	34	16	329
	2015	1,207	847	18	34	17	292
	2016	1,144	816	16	33	17	262
	2017	1,157	782	17	33	17	308
Denmark	2014	670	90	350	179	49	1
	2015	668	101	331	181	53	2
	2016	632	101	298	182	49	2
	2017	655	108	290	198	56	2
Estonia	2014	233	231	..	0	2	..
	2015	234	231	..	1	3	..
	2016	208	205	..	0	2	..
	2017	242	239	..	1	3	..
Faeroe Islands	2014	1	..	..	..	1	..
	2015	1	..	..	..	1	..
	2016	1	..	..	..	1	..
	2017	1	..	..	..	1	..
Finland	2014	757	427	14	4	52	259
	2015	732	387	16	4	69	255
	2016	736	403	5	5	68	256
	2017	753	417	12	5	71	248
France	2014	5,734	510	148	27	317	4,733
	2015	5,761	532	148	31	306	4,744
	2016	5,458	580	139	34	329	4,375
	2017	5,388	573	145	38	305	4,327
Germany	2014	5,013	2,633	291	599	407	1,083
	2015	5,016	2,616	286	594	493	1,028
	2016	4,843	2,492	291	613	494	953
	2017	4,801	2,474	287	581	595	863
Gibraltar	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Greece	2014	368	305	8	4	43	9
	2015	354	281	8	4	53	9
	2016	281	202	12	5	53	9
	2017	301	225	11	5	49	12
Guernsey	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Hungary	2014	461	171	48	63	4	175
	2015	471	176	52	61	4	178
	2016	479	170	59	64	4	182
	2017	472	160	62	63	5	183
Iceland	2014	284	0	..	0	46	237
	2015	285	0	..	0	50	235
	2016	302	0	..	0	49	253
	2017	299	0	..	0	51	248

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
493	226	7	3	-14	744	103
537	250	8	4	6	775	108
538	241	9	3	1	757	106
558	246	10	3	9	781	110
269	118	5	0	-8	335	79
301	128	5	0	2	350	83
314	140	5	0	1	353	84
344	146	6	0	3	364	87
883	344	12	..	13	1,759	166
914	347	13	..	4	1,758	166
904	326	13	..	-34	1,742	164
999	316	15	..	8	1,818	171
735	647	38	31	15	674	119
787	690	37	32	21	674	118
766	661	40	28	-25	694	122
681	582	42	22	-30	720	126
116	84	2	14	5	245	186
109	82	2	12	15	232	176
110	86	2	12	-24	242	184
108	93	3	13	-1	243	185
*9	..	0	1	..	*9	*180
*10	..	0	1	..	*9	*185
*10	..	0	1	..	*9	*187
*11	..	0	2	..	*10	*210
1,113	393	27	4	25	1,421	260
979	318	27	12	4	1,350	246
1,063	408	27	12	-56	1,408	256
1,033	404	29	15	-47	1,385	251
6,339	1,361	259	77	55	10,320	155
6,407	1,382	272	69	-27	10,472	157
6,347	1,252	270	62	-75	10,294	154
6,560	1,332	276	70	-8	10,278	153
10,295	2,075	345	96	-14	12,805	157
10,834	2,516	346	101	-16	12,904	158
10,763	2,174	372	118	-29	12,971	158
11,193	2,524	411	96	-36	12,999	158
159	..	0	150	..	8	242
163	..	0	154	..	9	262
166	..	0	156	..	10	285
185	..	0	174	..	11	309
1,368	665	33	79	-2	962	85
1,461	697	35	75	43	965	86
1,549	780	38	73	6	933	83
1,608	823	42	90	-11	966	87
1	..	..	..	..	1	9
1	..	..	..	..	1	13
1	..	..	..	..	1	17
1	..	..	..	..	1	18
808	211	8	..	55	996	101
759	190	8	..	-21	1,053	108
814	213	8	..	-1	1,072	110
1,014	313	10	..	49	1,115	115
36	..	8	1	0	311	946
40	..	9	2	1	313	949
45	..	13	2	0	331	996
46	..	16	3	-1	327	977

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Ireland	2014	85	54	1	8	21	0
	2015	81	46	1	7	27	0
	2016	176	43	1	106	25	1
	2017	204	51	1	122	29	1
Isle of Man	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Italy	2014	1,539	360	279	327	346	227
	2015	1,509	393	269	311	300	237
	2016	1,400	389	197	277	296	242
	2017	1,421	411	219	269	282	239
Jersey	2014	*1	*1	..	..	..	..
	2015	*1	*1	..	..	..	..
	2016	*1	*1	..	..	..	..
	2017	*1	*1	..	..	..	..
Kosovo	2014	67	67	..	..	1	0
	2015	76	75	..	..	1	0
	2016	84	83	..	..	1	0
	2017	75	74	..	..	1	0
Latvia	2014	100	86	3	3	8	..
	2015	98	84	3	4	7	..
	2016	102	87	2	4	10	..
	2017	108	86	2	4	16	..
Liechtenstein	2014	*1	*1	..	0	0	0
	2015	*1	*1	..	0	0	0
	2016	*1	*1	..	0	0	0
	2017	*1	*1	..	0	0	0
Lithuania	2014	74	50	8	1	4	11
	2015	77	54	8	1	4	10
	2016	78	54	7	1	6	10
	2017	86	58	7	1	7	12
Luxembourg	2014	7	5	..	1	1	0
	2015	6	5	..	1	1	0
	2016	7	5	..	1	1	0
	2017	8	6	..	1	2	0
Malta	2014	1	..	0	0	0	0
	2015	1	..	0	0	0	0
	2016	1	..	0	0	0	0
	2017	1	..	..	0	1	0
Montenegro	2014	29	23	..	..	6	..
	2015	30	25	..	..	5	..
	2016	28	21	..	..	7	..
	2017	27	23	..	..	4	..
Netherlands	2014	2,524	116	151	2,187	24	47
	2015	2,006	116	145	1,665	32	48
	2016	1,929	119	120	1,608	36	47
	2017	1,748	120	133	1,402	46	47
North Macedonia	2014	61	56	0	..	5	0
	2015	58	50	0	..	7	0
	2016	51	43	0	..	7	0
	2017	53	48	0	..	4	0
Norway	2014	8,240	97	3,635	4,011	496	..
	2015	8,629	86	3,733	4,307	503	..
	2016	8,721	77	3,835	4,286	522	..
	2017	8,923	61	3,787	4,553	521	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
547	56	31	5	3	536	114
611	78	35	7	14	557	119
510	74	36	6	-16	586	124
515	98	43	6	-2	574	121
4	0	..	..	..	4	53
4	0	..	..	..	4	49
5	0	..	..	..	5	55
4	0	..	..	..	4	53
5,770	929	132	81	0	6,168	103
6,338	1,234	136	80	-5	6,402	108
6,419	1,311	142	93	-62	6,334	107
6,644	1,408	147	97	-24	6,437	108
2	..	..	..	..	3	27
2	..	..	..	..	3	29
2	..	..	..	..	3	29
2	..	..	..	..	3	29
27	2	0	..	0	93	51
32	3	0	..	-1	106	59
31	4	0	..	-2	113	62
36	3	0	..	0	108	59
160	79	5	10	-17	182	90
190	90	5	11	3	179	90
183	89	5	13	-1	179	91
176	87	6	11	-4	185	95
2	..	..	..	..	3	86
2	..	..	..	..	3	88
2	..	..	..	..	3	88
2	..	..	..	..	3	89
533	312	3	0	1	290	98
601	374	3	3	4	293	100
620	387	4	7	0	299	103
619	383	5	7	-3	313	108
181	8	17	..	0	162	291
178	8	20	..	-1	158	279
178	7	22	..	0	156	272
183	7	25	..	0	160	274
95	8	5	51	-2	33	77
117	22	5	65	-2	27	63
117	12	5	74	2	25	58
133	6	6	88	5	29	66
16	4	1	..	0	40	64
17	4	1	..	0	42	67
20	5	1	..	1	41	65
23	5	1	..	0	43	68
7,427	6,310	154	534	3	2,950	175
8,350	6,587	161	494	126	2,989	176
8,483	6,784	166	491	-80	3,052	180
8,549	6,610	170	482	-50	3,085	181
67	8	..	..	0	119	58
66	8	..	..	0	116	56
71	5	..	0	1	116	56
70	5	..	0	-2	119	57
298	7,343	27	6	-36	1,199	233
338	7,724	26	6	9	1,202	231
351	7,897	22	5	12	1,135	216
405	8,109	23	8	-47	1,235	233

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Poland	2014	2,820	2,545	72	165	36	4
	2015	2,843	2,556	73	164	46	4
	2016	2,791	2,493	81	160	53	4
	2017	2,690	2,384	80	159	63	4
Portugal	2014	250	121	12	3	102	11
	2015	224	120	13	3	76	11
	2016	254	124	12	3	105	10
	2017	220	123	13	4	69	12
Republic of Moldova	2014	31	30	0	0	0	..
	2015	31	30	0	0	0	..
	2016	33	33	0	0	0	..
	2017	37	36	0	0	0	..
Romania	2014	1,109	342	176	368	96	127
	2015	1,116	351	177	369	92	127
	2016	1,045	331	170	327	95	123
	2017	1,071	340	162	358	86	126
Russian Federation	2014	55,400	8,240	22,299	22,246	632	1,984
	2015	56,024	8,702	22,621	21,953	607	2,142
	2016	57,191	*9,104	23,219	22,047	667	2,155
	2017	59,485	9,627	23,173	23,792	669	2,224
Serbia	2014	393	286	49	19	40	0
	2015	449	348	45	19	36	0
	2016	446	348	41	18	39	0
	2017	438	348	40	17	33	0
Slovakia	2014	264	63	7	8	17	170
	2015	265	67	7	9	16	166
	2016	266	70	8	10	18	162
	2017	265	63	7	11	17	166
Slovenia	2014	153	58	0	1	23	71
	2015	142	63	0	1	15	63
	2016	144	62	..	1	17	64
	2017	153	66	..	1	15	70
Spain	2014	1,432	301	68	16	358	689
	2015	1,367	294	61	13	309	690
	2016	1,392	274	63	12	336	707
	2017	1,368	298	79	12	275	704
Sweden	2014	1,418	429	11	6	270	701
	2015	1,400	443	11	7	330	609
	2016	1,439	460	11	7	280	682
	2017	1,491	466	9	7	299	710
Switzerland	2014	540	94	0	4	140	301
	2015	495	95	0	5	142	253
	2016	467	100	0	5	130	232
	2017	460	101	0	5	129	224
Ukraine	2014	3,206	1,427	121	630	36	992
	2015	2,552	818	111	621	25	976
	2016	2,754	1,081	98	637	33	906
	2017	2,431	695	95	649	38	953
United Kingdom	2014	4,506	474	1,754	1,437	151	691
	2015	4,936	436	1,982	1,561	195	762
	2016	5,019	351	2,086	1,614	191	777
	2017	5,023	341	2,054	1,622	243	762
Oceania	2014	16,332	12,343	936	2,534	220	300
	2015	17,039	12,888	909	2,708	212	322
	2016	17,294	12,600	868	3,273	230	322
	2017	17,969	12,664	759	3,984	239	324

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
1,992	788	25	6	21	3,972	104
2,086	857	28	8	32	4,004	105
2,178	853	29	8	-111	4,190	110
2,431	711	37	11	-22	4,384	115
927	240	41	26	-15	885	85
1,101	326	45	27	7	920	88
1,069	334	49	32	-6	913	88
1,166	337	55	33	10	951	92
72	1	1	..	0	102	25
71	1	1	..	0	100	25
73	1	1	..	0	104	26
81	1	2	..	0	114	28
469	244	8	3	-4	1,326	66
483	255	9	2	-7	1,341	67
559	261	11	1	-5	1,336	68
582	249	13	1	-11	1,401	71
1,136	25,392	*248	322	150	30,424	212
1,165	26,785	*223	263	75	29,843	207
996	28,218	*214	186	53	29,516	205
1,131	28,428	*152	171	684	31,182	217
203	51	3	1	-7	550	78
229	61	3	1	1	612	87
247	60	5	1	-6	633	90
278	60	6	1	3	647	93
615	207	1	..	14	657	121
648	241	2	..	-4	675	124
635	223	2	..	-9	686	126
688	222	2	..	13	717	132
222	96	1	2	-2	279	135
243	106	1	3	0	275	133
261	122	1	5	0	278	134
271	124	1	6	3	289	139
5,194	1,337	157	327	52	4,753	102
5,262	1,262	166	313	-40	4,927	106
5,252	1,292	176	315	-103	4,964	107
5,639	1,371	192	280	-61	5,227	113
1,343	653	31	72	9	1,997	206
1,385	771	32	76	52	1,854	190
1,533	822	35	84	-10	2,041	207
1,472	886	38	98	-93	2,033	205
702	144	67	0	0	1,030	125
713	144	70	0	-15	1,010	121
719	129	73	0	3	982	116
725	127	75	0	-6	988	116
1,444	278	*6	..	-68	4,434	99
1,327	54	5	..	66	3,753	84
1,246	54	*5	..	-19	3,960	89
1,481	74	*5	..	93	3,739	85
6,466	2,731	461	115	141	7,525	116
6,032	2,977	465	106	-172	7,592	116
5,810	2,945	466	112	-187	7,492	114
5,881	3,093	483	102	-128	7,353	111
2,594	12,089	206	46	47	6,539	168
2,567	12,706	206	42	64	6,587	167
2,653	13,169	226	40	-145	6,657	166
2,696	13,611	247	40	148	6,619	163

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Australia	2014	15,365	12,129	815	2,291	117	13
	2015	16,014	12,691	768	2,434	107	15
	2016	16,281	12,418	742	2,985	120	15
	2017	16,963	12,478	645	3,692	132	16
Cook Islands	2014	0	..	..	..	0	..
	2015	0	..	..	..	0	..
	2016	0	..	..	..	0	..
	2017	0	..	..	..	0	..
Fiji	2014	7	6	..	..	1	..
	2015	7	6	..	..	1	..
	2016	6	4	..	..	2	..
	2017	7	5	..	..	2	..
French Polynesia	2014	*1	0	..	..	*1	..
	2015	*1	0	..	..	*1	..
	2016	*1	0	..	..	*1	..
	2017	*1	0	..	..	*1	..
Guam	2014	..	..	..	..	..	..
	2015	0	..	..	..	0	..
	2016	0	..	..	..	0	..
	2017	0	..	..	..	0	..
Kiribati	2014	*1	*1	..	..	..	..
	2015	*1	*1	..	..	0	..
	2016	*1	*1	..	..	0	..
	2017	*1	*1	..	..	0	..
Marshall Islands	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Micronesia (Fed. States of)	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Nauru	2014	0	..	..	..	0	..
	2015	0	..	..	..	0	..
	2016	0	..	..	..	0	..
	2017	0	..	..	..	0	..
New Caledonia	2014	1	0	0	..	1	0
	2015	2	0	0	..	1	0
	2016	1	0	0	..	1	0
	2017	2	0	0	..	2	0
New Zealand	2014	785	145	87	187	96	271
	2015	780	128	91	172	97	292
	2016	766	115	77	180	102	292
	2017	758	118	70	178	99	293
Niue	2014	0	0	..	..	0	0
	2015	0	0	..	..	0	0
	2016	0	0	..	..	0	0
	2017	0	0	..	..	0	0
Palau	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	0	..	..	..	0	..
	2017	0	..	..	..	0	..
Papua New Guinea	2014	166	57	34	57	4	15
	2015	228	57	51	102	4	15
	2016	233	57	49	108	4	15
	2017	232	57	44	113	3	15

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
2,060	11,873	162	29	49	5,312	226
2,022	12,444	161	22	78	5,331	224
2,063	12,898	170	22	-143	5,397	224
2,111	13,349	186	22	164	5,353	219
*1	..	0	..	..	*1	*52
*1	..	0	..	..	*1	*49
*1	..	0	..	..	*1	*51
*1	..	0	..	..	*1	*56
*26	0	*2	*2	..	*30	*33
35	0	*3	*3	0	37	41
33	0	*2	*3	0	33	37
*33	0	*3	*3	0	*34	*38
13	..	*1	*3	..	11	40
14	..	*1	*3	..	12	42
13	..	0	*2	..	11	40
14	..	0	*3	..	11	40
..
..	..	..	..	..	0	0
..	..	..	..	..	0	1
..	..	..	..	..	0	1
1	..	0	..	..	1	12
*1	..	0	..	..	*1	*12
*1	..	0	..	..	*1	*13
*1	..	0	..	..	*1	*12
*2	..	0	..	..	*2	*41
*2	..	0	..	..	*2	*42
*2	..	0	..	..	*2	*42
*2	..	0	..	..	*2	*43
*2	..	0	0	..	*2	*20
3	..	0	0	..	2	20
*3	..	0	0	..	*2	*21
*3	..	0	0	..	*2	*20
*1	..	0	0	0	*1	*63
*1	..	0	0	0	*1	*63
*1	..	0	0	0	*1	*55
*1	..	0	0	..	*1	*55
60	..	1	0	-3	64	240
62	..	1	0	1	61	228
68	..	1	0	0	67	247
66	..	1	0	-1	68	246
327	136	35	12	-3	933	204
328	124	35	13	-16	952	206
353	110	46	12	1	950	204
347	103	51	12	-16	955	203
0	..	0	..	..	0	62
0	..	0	..	..	0	63
0	..	0	..	..	0	*61
0	..	0	..	..	0	*60
*4	..	*1	..	..	*3	*174
*4	..	*1	..	..	*3	*174
*4	..	*1	..	..	*3	*175
*4	..	*1	..	..	*3	*182
83	79	*2	0	5	162	21
80	138	*3	0	1	166	21
98	161	*3	0	-3	170	21
98	158	*3	0	1	168	20

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
Samoa	2014	1	1	..	..	0	..
	2015	1	1	..	..	0	..
	2016	1	1	..	..	0	..
	2017	1	1	..	..	0	..
Solomon Islands	2014	*3	*3	..	..	0	..
	2015	*3	*3	..	..	0	..
	2016	*3	*3	..	..	0	..
	2017	*3	*3	..	..	0	..
Tonga	2014	0	0	..	..	0	..
	2015	0	0	..	..	0	..
	2016	0	0	..	..	0	..
	2017	0	0	..	..	0	..
Tuvalu	2014	..	..	..	..	..	..
	2015	0	..	..	..	0	..
	2016	0	..	..	..	0	..
	2017	0	..	..	..	0	..
Vanuatu	2014	1	1	0	..	0	..
	2015	1	1	0	..	0	..
	2016	1	1	0	..	0	..
	2017	1	1	0	..	0	..
Wallis and Futuna Is.	2014	0	..	..	..	0	..
	2015	0	..	..	..	0	..
	2016	0	..	..	..	0	..
	2017	0	..	..	..	0	..

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply		
		Aviation	Marine		Total	Per capita	
4	..		1	..	0	4	21
5	..		1	..	*1	5	24
*4	..		*1	..	0	*5	*24
*4	..		*1	..	..	*5	*25
5	0		0	0	..	8	14
5	0		0	0	..	8	13
*5	0		0	0	..	*7	*12
*5	0		0	0	..	*7	*12
2	..		0	0	0	2	15
2	..		0	0	0	2	16
2	..		0	0	0	2	17
2	..		0	0	0	2	20
0	..		..	..	..	0	*12
0	..		..	..	..	0	*13
0	..		..	..	..	0	*13
0	..		..	..	..	0	*13
3	0		0	0	0	3	12
2	0		0	0	0	3	11
3	0		0	0	0	3	11
3	0		0	0	..	3	11
0	..		0	..	..	0	28
0	..		0	..	..	0	28
0	..		0	..	..	0	30
0	..		0	..	..	0	*30

Total final consumption and its components

Petajoules and Gigajoules per capita

Table Notes

Total final consumption refers to all fuel and energy that is delivered to users for both their energy and non-energy uses which do not involve a transformation process.

Non-energy use consists of the use of energy products as raw materials for the manufacture of products outside the scope of energy statistics, as well as for direct uses that do not involve using the products as a source of energy, nor as a transformation input. Examples are lubrication, sealing, preservation, road surfacing, and use as a solvent.

Industry refers to the use of energy products for energy purposes by economic units belonging to manufacturing, construction and non-fuel mining industries, namely the following: 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 (other than pulp and paper); Textile and leather; Construction; and Industries not elsewhere specified. It excludes the use of energy products for transport.

Transport refers to the consumption of fuels and electricity by any economic entity to transport goods or persons between points of departure and destination within the national territory. As such, it excludes international aviation and shipping, which are included under international marine and aviation bunkers respectively.

Other refers to energy consumed by consumers not classified under Industry. It includes Households, Commerce and public services, Agriculture, Forestry, Fishing, and Not elsewhere specified.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 9: World total final consumption by component, 2017

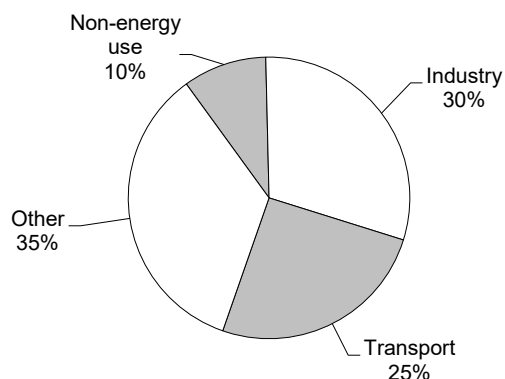


Figure 10: Total final consumption by region, 1990-2017

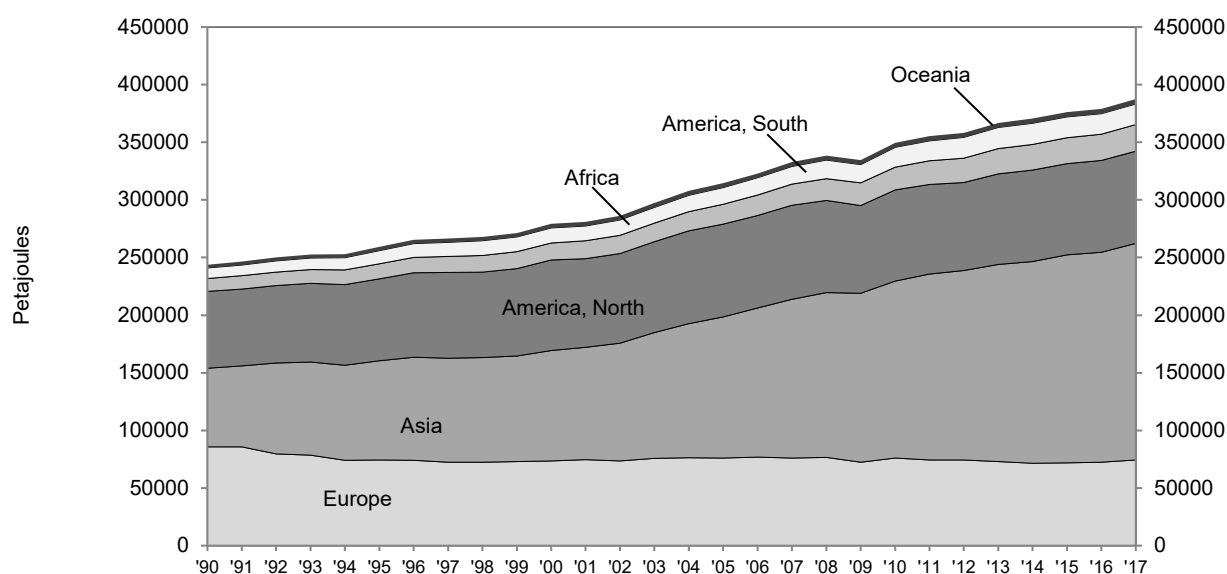


Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
World	2014	370,640	35,743	115,724	92,997	126,176	51
	2015	376,281	36,263	116,743	94,586	128,689	51
	2016	379,110	35,622	114,546	96,777	132,165	51
	2017	386,969	36,879	117,047	96,075	136,968	51
Africa	2014	22,082	717	3,483	4,589	13,293	19
	2015	22,342	702	3,648	4,623	13,369	19
	2016	22,768	781	3,724	4,801	13,462	19
	2017	23,217	739	3,642	4,886	13,949	19
Algeria	2014	1,462	155	228	606	472	37
	2015	1,563	155	243	647	518	39
	2016	1,571	165	249	632	525	39
	2017	1,592	133	270	626	563	39
Angola	2014	*447	11	38	118	*280	*17
	2015	*464	9	52	126	*277	*17
	2016	*451	9	56	114	*272	*16
	2017	*406	10	39	92	*265	*14
Benin	2014	*141	..	5	56	*79	*14
	2015	*147	..	5	63	*79	*14
	2016	169	..	7	81	*81	16
	2017	*179	..	6	84	*90	*16
Botswana	2014	60	1	14	31	15	28
	2015	57	1	15	*28	14	26
	2016	62	1	14	33	14	28
	2017	64	1	13	35	14	28
Burkina Faso	2014	*144	0	*11	20	*113	*8
	2015	*150	0	*14	*22	*114	*8
	2016	*153	0	*13	24	*116	*8
	2017	*159	0	*13	28	*117	*8
Burundi	2014	*54	*1	*1	4	*49	*6
	2015	*55	*1	*1	4	*49	*5
	2016	*55	*1	*1	*5	*49	*5
	2017	*56	0	*1	*6	*49	*5
Cabo Verde	2014	6	0	0	3	3	12
	2015	*6	0	0	*3	*3	*12
	2016	*7	0	0	*4	*3	*13
	2017	*7	0	0	*4	*3	*13
Cameroon	2014	*280	2	16	44	*216	*13
	2015	*302	2	15	43	*241	*13
	2016	*310	3	16	44	*247	*13
	2017	*315	3	16	43	*254	*13
Central African Rep.	2014	*18	0	0	*2	*15	*4
	2015	*18	0	0	*2	*15	*4
	2016	*18	0	0	*2	*15	*4
	2017	*18	0	0	*3	*15	*4
Chad	2014	*68	0	*1	*2	*65	*5
	2015	*70	0	*1	*2	*66	*5
	2016	*70	0	*1	*2	*67	*5
	2017	*71	0	*1	*2	*68	*5
Comoros	2014	*3	..	..	*1	*3	*4
	2015	*4	..	..	*1	*3	*5
	2016	*4	..	..	*1	*3	*5
	2017	*4	..	..	*1	*4	*5

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Congo	2014	84	1	2	28	52	17
	2015	80	1	2	23	54	16
	2016	79	1	1	20	57	15
	2017	79	1	2	18	59	15
Côte d'Ivoire	2014	316	2	27	36	251	14
	2015	282	1	29	43	207	12
	2016	292	3	34	49	206	12
	2017	309	3	30	55	220	13
Dem. Rep. of the Congo	2014	*898	0	141	62	*695	*12
	2015	*898	0	143	37	*718	*12
	2016	*916	0	147	26	*742	*12
	2017	*1,053	0	167	29	*856	*13
Djibouti	2014	*7	0	0	*2	*5	*8
	2015	*6	0	0	*2	*4	*6
	2016	*7	0	0	*2	*5	*8
	2017	*7	0	0	*2	*4	*7
Egypt	2014	2,330	229	565	728	808	25
	2015	2,568	228	754	748	838	27
	2016	2,758	284	838	*763	872	29
	2017	2,599	282	685	793	839	27
Equatorial Guinea	2014	*54	0	*38	*8	*8	*48
	2015	*45	0	*29	*8	*8	*39
	2016	*37	0	*20	*8	*8	*30
	2017	*37	0	*20	9	*8	*29
Eritrea	2014	*21	0	1	2	*18	*6
	2015	*21	0	1	2	*18	*6
	2016	*22	0	1	2	*19	*6
	2017	*22	0	1	3	*19	*7
Eswatini	2014	35	0	17	8	*10	32
	2015	*36	0	*18	*9	*10	*33
	2016	*35	0	*19	6	10	*32
	2017	*34	0	*19	9	6	*30
Ethiopia	2014	*1,348	4	64	59	*1,221	*14
	2015	*1,266	4	61	65	*1,136	*13
	2016	*1,301	4	70	79	*1,147	*13
	2017	*1,330	4	77	88	*1,162	*13
Gabon	2014	*92	0	28	11	*52	*49
	2015	*92	0	28	11	*52	*48
	2016	*93	0	28	11	*53	*47
	2017	*94	0	29	11	*53	*46
Gambia	2014	*10	..	*2	*1	*7	*5
	2015	*10	..	*2	*1	*7	*5
	2016	*10	..	*2	*1	*7	*5
	2017	*10	..	*2	*1	*7	*5
Ghana	2014	267	*3	34	*110	121	10
	2015	275	*3	32	*119	120	10
	2016	271	*3	34	*110	125	10
	2017	270	*3	30	106	131	9
Guinea	2014	*134	*2	*13	*15	*103	*11
	2015	*135	*2	*13	*16	*104	*11
	2016	*135	*1	*11	*17	*105	*11
	2017	*137	*1	*12	*17	*106	*11

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Guinea-Bissau	2014	*28	*1	0	*1	*25	*16
	2015	*28	*1	0	*1	*26	*16
	2016	*29	*1	0	*1	*26	*16
	2017	*29	*1	0	*1	*27	*16
Kenya	2014	*624	2	50	103	*470	*14
	2015	617	2	58	126	431	13
	2016	*574	2	60	141	*371	*12
	2017	587	2	62	138	385	12
Lesotho	2014	*46	0	*20	6	*20	*21
	2015	*46	0	*18	7	*21	*21
	2016	*45	0	*19	7	*19	*20
	2017	*47	0	*19	9	*19	*21
Liberia	2014	*80	0	*1	*10	*68	*18
	2015	*82	0	*1	11	*70	*18
	2016	*86	0	*2	*12	*73	*19
	2017	*87	0	*1	*10	*75	*18
Libya	2014	425	30	38	271	86	69
	2015	334	24	25	213	72	54
	2016	373	24	24	255	70	59
	2017	367	30	25	241	71	58
Madagascar	2014	*178	*2	*19	*14	*143	*8
	2015	*186	*2	*20	*18	*146	*8
	2016	222	*3	*21	17	181	9
	2017	232	*3	*25	17	187	9
Malawi	2014	*61	0	*11	*8	*43	*4
	2015	*62	0	*11	*9	*42	*4
	2016	*65	0	*11	*11	*43	*4
	2017	*65	0	*10	*13	*42	*3
Mali	2014	*81	..	*14	*15	*52	*5
	2015	*81	..	*16	*15	*50	*5
	2016	*80	..	*15	*15	*50	*4
	2017	*80	..	*15	*15	*49	*4
Mauritania	2014	*42	0	*8	14	*19	*10
	2015	*48	0	*11	*17	*20	*12
	2016	*47	0	*10	*16	*20	*11
	2017	*63	*1	*15	*25	*22	*14
Mauritius	2014	38	1	8	19	9	30
	2015	38	1	8	19	10	30
	2016	40	1	8	21	10	32
	2017	41	1	8	22	10	33
Morocco	2014	593	17	129	209	237	17
	2015	613	22	131	217	243	17
	2016	653	21	125	232	275	18
	2017	683	21	140	240	282	19
Mozambique	2014	*332	..	58	56	*218	*12
	2015	*317	..	53	34	*230	*11
	2016	235	..	52	55	128	8
	2017	233	..	64	57	112	8
Namibia	2014	69	1	9	26	33	29
	2015	71	1	8	28	35	29
	2016	74	1	8	29	36	30
	2017	75	1	8	27	38	29

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Niger	2014	*80	0	4	12	*63	*4
	2015	82	0	3	13	66	4
	2016	*82	0	4	11	*67	*4
	2017	*72	0	*5	11	*56	*3
Nigeria	2014	*5,264	64	*306	693	*4,200	*30
	2015	*5,300	64	*311	631	*4,293	*29
	2016	*5,419	61	*298	722	*4,337	*29
	2017	*5,531	57	*302	722	*4,450	*29
Rwanda	2014	*78	0	*6	*7	*65	*7
	2015	*80	0	*7	*8	*65	*7
	2016	*81	0	*7	*8	*65	*7
	2017	*81	0	*7	*7	*66	*7
Sao Tome and Principe	2014	*2	0	0	0	*1	*10
	2015	*2	0	0	0	*1	*10
	2016	*2	0	0	0	*1	*10
	2017	*2	0	0	0	*1	*10
Senegal	2014	110	..	21	33	56	8
	2015	116	..	24	37	56	8
	2016	126	..	25	40	61	8
	2017	134	..	*28	43	63	8
Seychelles	2014	*4	0	*1	*1	*2	*43
	2015	*4	0	*1	*1	*2	*44
	2016	*4	0	*1	*2	*2	*48
	2017	*5	0	*1	*2	*2	*53
Sierra Leone	2014	*58	0	*2	*8	*48	*8
	2015	*55	0	*2	*6	*47	*8
	2016	*56	0	*2	*6	*47	*8
	2017	*56	0	*2	*6	*47	*7
Somalia	2014	*107	..	*2	2	*104	*8
	2015	*105	..	*2	2	*101	*8
	2016	*111	..	*2	2	*107	*8
	2017	*113	..	*2	*2	*110	*8
South Africa	2014	2,779	161	1,086	730	802	51
	2015	2,708	147	1,033	762	765	49
	2016	2,651	161	1,024	728	739	47
	2017	2,802	150	1,008	769	875	49
South Sudan	2014	23	..	0	13	9	2
	2015	25	..	0	14	10	2
	2016	23	..	0	13	10	2
	2017	20	..	1	11	8	2
St. Helena and Depend.	2014	0	..	..	0	0	*17
	2015	0	..	..	0	0	*17
	2016	0	..	..	0	0	*18
	2017	0	..	..	0	0	*17
Sudan	2014	*368	10	72	*108	*177	*10
	2015	*380	10	72	*115	*183	*10
	2016	*393	11	69	*130	*183	*10
	2017	*409	*11	*71	*133	*195	*10
Togo	2014	87	0	3	19	65	12
	2015	90	0	2	20	67	12
	2016	94	0	4	22	69	12
	2017	98	0	4	22	71	13

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Tunisia	2014	316	9	93	89	126	28
	2015	331	11	92	98	130	29
	2016	335	12	89	100	134	29
	2017	351	13	91	108	140	30
Uganda	2014	507	1	57	35	414	13
	2015	530	1	61	41	428	13
	2016	546	*1	64	*43	438	13
	2017	*560	*1	*60	*46	*452	*13
United Rep. of Tanzania	2014	699	2	74	75	548	13
	2015	716	2	76	79	559	13
	2016	720	2	74	74	571	13
	2017	738	2	80	74	581	13
Zambia	2014	329	3	112	16	198	21
	2015	*347	3	115	17	*212	*22
	2016	*370	3	115	17	*235	*22
	2017	*390	3	122	17	*249	*23
Zimbabwe	2014	*397	1	30	37	*329	*29
	2015	*399	1	27	37	*334	*29
	2016	*405	1	28	31	*345	*29
	2017	*416	1	31	32	*352	*29
America, North	2014	79,330	7,391	14,984	30,508	26,447	140
	2015	79,187	7,138	14,844	31,444	25,762	139
	2016	79,547	7,231	14,744	31,870	25,702	138
	2017	79,985	7,477	14,792	31,978	25,738	138
Anguilla	2014	*1	..	..	*1	*1	*99
	2015	*2	..	..	*1	*1	*111
	2016	*2	..	..	*1	*1	*109
	2017	*1	..	..	*1	*1	*98
Antigua and Barbuda	2014	*4	0	0	*3	*1	*38
	2015	*4	0	0	*3	*1	*40
	2016	*4	0	0	*3	*1	*40
	2017	*4	0	0	*3	*1	*40
Aruba	2014	*6	0	..	*3	*3	*62
	2015	*7	0	..	*3	*3	*63
	2016	*7	0	..	*3	*3	*63
	2017	*7	0	..	*3	*3	*65
Bahamas	2014	*26	0	*8	*8	*10	*69
	2015	*23	0	8	*6	*9	*58
	2016	*21	0	7	*5	*8	*52
	2017	*20	0	*6	*7	*7	*51
Barbados	2014	12	..	2	6	*4	41
	2015	11	..	1	6	*4	40
	2016	12	..	1	6	5	41
	2017	12	..	1	6	4	41
Belize	2014	10	0	*2	5	3	30
	2015	13	0	2	7	4	37
	2016	14	0	3	7	4	37
	2017	14	0	4	7	*4	38
Bermuda	2014	6	0	0	*2	4	90
	2015	5	0	0	*2	3	81
	2016	*6	0	0	*2	*5	*102
	2017	5	0	0	*2	3	76

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Bonaire, St Eustatius, Saba	2014	*4	*1	*1	*2	*1	*180
	2015	*4	*1	*1	*2	*1	*180
	2016	*5	*1	*1	*2	*1	*181
	2017	*5	*1	*1	*2	*1	*181
British Virgin Islands	2014	*2	..	0	*1	*1	*63
	2015	*2	..	0	*1	*1	*62
	2016	*2	..	0	*1	*1	*61
	2017	*1	..	0	*1	*1	*43
Canada	2014	8,268	886	1,840	2,615	2,928	232
	2015	8,122	938	1,828	2,597	2,760	226
	2016	8,055	974	1,767	2,605	2,708	222
	2017	8,223	860	1,913	2,602	2,848	225
Cayman Islands	2014	5	0	1	2	1	79
	2015	5	0	1	2	1	80
	2016	5	0	1	2	1	80
	2017	5	0	1	2	1	83
Costa Rica	2014	152	3	40	70	40	32
	2015	157	3	39	74	41	33
	2016	164	3	40	79	42	34
	2017	168	5	41	81	42	34
Cuba	2014	209	5	113	20	72	18
	2015	232	5	123	21	83	20
	2016	242	5	140	19	78	21
	2017	*240	4	*132	19	84	*21
Curaçao	2014	29	4	7	15	3	185
	2015	29	4	6	15	3	183
	2016	29	4	6	15	3	180
	2017	29	4	6	15	3	179
Dominica	2014	*2	..	0	*1	*1	*23
	2015	*2	..	0	*1	*1	*23
	2016	*2	..	0	*1	*1	*23
	2017	*2	..	0	*1	*1	*21
Dominican Republic	2014	206	10	54	74	68	20
	2015	227	13	54	88	71	22
	2016	249	19	61	96	74	23
	2017	246	13	65	95	73	23
El Salvador	2014	97	1	19	39	38	15
	2015	103	1	19	46	37	16
	2016	100	1	20	48	32	16
	2017	101	1	23	47	30	16
Greenland	2014	8	0	1	2	6	137
	2015	8	0	0	2	6	137
	2016	8	0	1	2	6	141
	2017	8	0	1	2	6	144
Grenada	2014	3	..	0	1	1	27
	2015	3	..	0	1	1	27
	2016	3	..	0	1	1	27
	2017	3	..	0	1	2	28
Guatemala	2014	352	1	34	90	226	22
	2015	*353	1	37	97	*217	*22
	2016	*398	1	38	104	*255	*24
	2017	*433	1	43	115	*273	*26

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Haiti	2014	129	0	13	16	100	12
	2015	135	0	12	19	103	13
	2016	137	0	12	20	105	13
	2017	139	0	12	20	106	13
Honduras	2014	*189	..	38	48	*103	*22
	2015	*209	..	46	58	*106	*23
	2016	209	..	50	58	*100	23
	2017	215	..	48	61	*106	23
Jamaica	2014	78	3	34	30	12	27
	2015	80	3	35	29	12	28
	2016	83	3	36	31	13	29
	2017	75	2	30	28	15	26
Mexico	2014	4,961	256	1,424	2,137	1,144	40
	2015	5,005	214	1,487	2,128	1,175	40
	2016	5,087	217	1,476	2,205	1,189	40
	2017	5,110	211	1,570	2,142	1,188	40
Montserrat	2014	*1	0	0	0	0	*100
	2015	*1	0	0	0	0	*117
	2016	0	0	0	0	0	*56
	2017	0	0	0	0	0	*51
Nicaragua	2014	*98	1	14	26	*57	*16
	2015	*104	2	15	30	*58	*17
	2016	*109	2	15	31	*61	*18
	2017	*108	2	15	33	*59	*17
Panama	2014	137	..	41	55	41	35
	2015	144	..	38	63	43	36
	2016	145	..	33	68	44	36
	2017	155	..	36	70	49	38
Puerto Rico	2014	63	..	8	..	55	18
	2015	63	..	8	..	54	19
	2016	62	..	8	..	54	19
	2017	49	..	6	..	43	15
Sint Maarten (Dutch part)	2014	*9	*1	*2	*5	1	*248
	2015	*10	*2	*2	*5	1	*249
	2016	*10	*2	*2	*5	1	*246
	2017	*9	*1	*2	*5	*1	*233
St. Kitts-Nevis	2014	*2	0	0	*1	*1	*34
	2015	*2	0	0	*1	*1	*35
	2016	*2	0	0	*1	*1	*35
	2017	*2	0	0	*1	*1	*35
St. Lucia	2014	3	0	0	1	2	17
	2015	3	0	0	1	2	18
	2016	3	0	0	1	2	16
	2017	3	0	0	1	2	17
St. Pierre-Miquelon	2014	*1	..	..	*1	0	*119
	2015	*1	..	..	*1	0	*117
	2016	*1	..	..	*1	0	*117
	2017	*1	..	..	*1	0	*118
St. Vincent-Grenadines	2014	*3	0	0	*2	*1	*29
	2015	*2	0	0	*1	*1	*21
	2016	*3	0	0	*2	*1	*26
	2017	*3	0	0	*2	*1	*26

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Trinidad and Tobago	2014	578	399	111	47	20	426
	2015	556	405	83	47	21	409
	2016	487	372	52	42	21	357
	2017	508	380	65	42	21	371
Turks and Caicos Islands	2014	1	..	..	0	1	34
	2015	*1	..	..	0	*1	*35
	2016	1	..	..	0	1	36
	2017	1	..	..	*1	1	38
United States	2014	63,673	5,819	11,176	25,179	21,499	200
	2015	63,559	5,545	10,994	26,085	20,934	199
	2016	63,880	5,627	10,970	26,404	20,879	198
	2017	64,077	5,990	10,769	26,560	20,757	197
United States Virgin Is.	2014	2	..	1	..	1	22
	2015	*2	..	*1	..	*1	*22
	2016	*2	..	*1	..	*1	*22
	2017	*2	..	*1	..	*1	*17
America, South	2014	18,403	836	6,087	6,880	4,601	45
	2015	18,165	792	5,909	6,863	4,601	44
	2016	17,932	780	5,739	6,807	4,606	43
	2017	17,950	778	5,736	6,860	4,575	42
Argentina	2014	2,272	95	547	710	920	53
	2015	2,345	95	560	749	941	54
	2016	2,318	97	533	738	949	53
	2017	2,307	92	525	769	920	52
Bolivia (Plur. State of)	2014	270	2	68	107	93	26
	2015	273	5	70	112	86	25
	2016	289	5	70	118	97	27
	2017	309	2	69	125	113	28
Brazil	2014	10,259	636	3,564	3,955	2,103	50
	2015	10,073	611	3,474	3,872	2,116	49
	2016	9,872	592	3,418	3,814	2,049	48
	2017	9,977	601	3,465	3,868	2,043	48
Chile	2014	1,042	29	440	328	245	59
	2015	1,047	9	442	351	244	59
	2016	1,108	24	445	367	272	62
	2017	1,113	23	413	380	296	62
Colombia	2014	1,139	17	308	442	373	24
	2015	1,164	17	314	456	377	24
	2016	1,230	15	318	473	424	25
	2017	1,211	15	333	468	396	25
Ecuador	2014	487	..	82	231	174	31
	2015	466	..	74	241	151	29
	2016	470	..	68	247	154	29
	2017	490	..	72	262	156	30
Falkland Is. (Malvinas)	2014	0	..	0	0	0	*168
	2015	0	..	0	0	0	169
	2016	0	..	0	0	0	169
	2017	0	..	0	0	0	158
Guyana	2014	27	0	7	10	10	35
	2015	27	0	7	9	10	35
	2016	29	0	7	11	11	38
	2017	29	0	7	10	11	37

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Paraguay	2014	217	1	67	75	73	33
	2015	231	2	70	83	76	35
	2016	242	2	68	101	72	36
	2017	257	2	68	113	74	38
Peru	2014	704	14	197	291	202	23
	2015	746	13	212	317	205	24
	2016	773	11	221	340	200	24
	2017	777	13	224	346	195	24
Suriname	2014	23	0	5	8	10	43
	2015	23	0	5	8	10	42
	2016	22	0	5	7	9	39
	2017	23	0	5	9	9	41
Uruguay	2014	179	3	68	51	57	52
	2015	191	3	79	53	57	56
	2016	199	3	82	54	60	58
	2017	203	4	84	57	58	59
Venezuela (Bolivar. Rep.)	2014	1,782	38	734	671	339	58
	2015	1,577	36	603	611	326	51
	2016	1,381	30	503	538	309	44
	2017	1,254	26	471	454	*304	39
Asia	2014	175,141	18,687	72,145	31,018	53,290	40
	2015	180,598	19,570	73,657	31,494	55,877	41
	2016	182,295	19,596	71,273	32,746	58,680	41
	2017	187,338	19,737	73,602	31,467	62,532	42
Afghanistan	2014	*121	*1	*43	53	*24	*4
	2015	*127	*1	*35	*67	*24	*4
	2016	*112	*1	*36	*48	*26	*3
	2017	*113	*2	*41	*41	*28	*3
Armenia	2014	*105	*2	*17	*27	*59	*36
	2015	86	2	13	24	47	29
	2016	91	1	13	26	51	31
	2017	97	1	14	27	54	33
Azerbaijan	2014	363	32	52	109	171	38
	2015	366	33	52	101	180	38
	2016	378	32	61	95	190	39
	2017	374	43	43	109	178	38
Bahrain	2014	252	67	89	51	45	189
	2015	259	67	89	53	50	189
	2016	262	69	89	55	50	184
	2017	260	69	85	56	50	175
Bangladesh	2014	1,276	58	267	129	822	8
	2015	1,375	58	339	135	843	9
	2016	1,413	56	337	144	876	9
	2017	1,485	54	369	159	902	9
Bhutan	2014	*63	0	8	*5	*49	*81
	2015	*63	*1	8	*6	*49	*80
	2016	*65	*1	9	6	*49	*81
	2017	*67	*1	10	*7	*50	*83
Brunei Darussalam	2014	60	22	5	19	14	146
	2015	41	2	6	19	14	98
	2016	56	19	5	19	13	131
	2017	75	20	23	19	13	175

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Cambodia	2014	231	0	37	54	140	15
	2015	248	2	43	59	144	16
	2016	267	1	54	70	142	17
	2017	278	1	56	74	148	17
China	2014	74,771	6,939	39,837	9,347	18,649	54
	2015	76,046	7,226	39,212	9,706	19,901	54
	2016	76,244	7,642	37,674	9,944	20,985	54
	2017	77,861	7,641	37,865	10,530	21,825	55
China, Hong Kong SAR	2014	304	1	26	74	203	42
	2015	316	1	29	82	205	44
	2016	325	1	*30	*88	207	44
	2017	337	2	*32	*96	207	46
China, Macao SAR	2014	32	2	3	5	21	54
	2015	37	2	3	6	26	61
	2016	37	2	2	6	27	61
	2017	37	2	2	6	27	59
Cyprus	2014	58	1	9	25	23	51
	2015	60	1	9	26	25	52
	2016	64	2	9	27	26	54
	2017	66	2	10	28	26	56
Georgia	2014	169	13	29	49	78	42
	2015	176	15	29	54	78	44
	2016	185	13	28	61	82	47
	2017	186	14	32	55	86	48
India	2014	*25,091	1,517	10,858	*3,346	*9,369	*19
	2015	*26,892	*1,624	11,918	*3,557	*9,793	*21
	2016	*27,441	1,479	11,569	*4,278	*10,115	*21
	2017	28,700	1,127	12,990	1,997	12,587	21
Indonesia	2014	6,042	347	1,048	1,822	*2,825	24
	2015	6,656	461	2,253	1,259	2,682	26
	2016	*6,822	403	1,555	1,361	*3,504	*26
	2017	*6,930	401	1,596	1,391	*3,542	*26
Iran (Islamic Rep. of)	2014	7,953	1,250	1,846	2,000	2,857	101
	2015	7,881	1,209	*1,764	1,974	2,934	99
	2016	7,855	1,071	1,832	1,799	3,154	98
	2017	8,192	1,287	1,930	1,924	3,052	101
Iraq	2014	901	39	199	402	260	26
	2015	776	22	158	351	245	21
	2016	773	15	149	352	257	21
	2017	839	21	156	400	261	22
Israel	2014	597	73	139	222	163	75
	2015	617	73	118	235	191	76
	2016	624	73	113	243	195	76
	2017	651	79	114	248	210	78
Japan	2014	12,473	1,393	3,791	3,028	4,261	97
	2015	12,330	1,498	3,655	3,013	4,163	96
	2016	12,177	1,416	3,621	2,989	4,151	95
	2017	12,333	1,472	3,653	2,965	4,243	97
Jordan	2014	237	7	45	108	76	27
	2015	249	8	41	118	82	27
	2016	266	11	42	128	84	28
	2017	285	10	40	139	96	29

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Kazakhstan	2014	1,633	31	775	206	621	93
	2015	1,713	37	861	212	603	97
	2016	1,717	*43	857	*230	588	95
	2017	1,839	45	928	244	622	101
Korea, Dem.Ppl's.Rep.	2014	344	..	205	18	120	14
	2015	279	..	159	19	100	11
	2016	313	..	183	20	110	12
	2017	255	..	141	19	95	10
Korea, Republic of	2014	7,142	1,976	2,026	1,336	1,804	142
	2015	7,316	2,027	2,028	1,420	1,841	145
	2016	7,557	2,139	2,025	1,464	1,929	149
	2017	7,741	2,250	2,042	1,495	1,954	152
Kuwait	2014	688	116	239	187	147	182
	2015	737	116	271	196	153	187
	2016	776	115	304	198	159	192
	2017	781	111	318	184	168	189
Kyrgyzstan	2014	141	4	22	46	69	24
	2015	142	1	32	39	71	24
	2016	146	1	18	48	79	25
	2017	149	0	18	26	105	25
Lao People's Dem. Rep.	2014	111	0	15	32	64	17
	2015	121	0	15	38	67	18
	2016	*129	0	*22	*38	*68	*19
	2017	*137	0	*29	*39	*69	*20
Lebanon	2014	*196	2	*31	*78	*85	*31
	2015	*218	3	*32	*88	*96	*33
	2016	*226	4	*31	*93	*99	*34
	2017	*241	4	*34	*97	*107	*35
Malaysia	2014	2,142	323	531	908	380	71
	2015	2,110	300	566	866	378	69
	2016	2,277	356	648	894	378	73
	2017	2,493	506	705	866	415	79
Maldives	2014	*14	0	*1	*11	*3	*32
	2015	*14	0	*1	*10	*3	*30
	2016	*15	0	*1	*12	*3	*32
	2017	*16	0	*1	*12	*3	*32
Mongolia	2014	265	..	24	20	221	91
	2015	203	..	23	21	160	68
	2016	224	..	25	19	181	74
	2017	375	..	26	20	329	122
Myanmar	2014	*671	16	97	63	*495	*13
	2015	*679	16	77	63	*523	*13
	2016	*746	13	95	86	*551	*14
	2017	*732	16	80	75	*561	*14
Nepal	2014	*522	*1	*44	*47	*430	*18
	2015	*493	0	42	29	*421	*17
	2016	*538	0	50	50	*437	*19
	2017	*567	0	56	62	*450	*19
Oman	2014	780	96	404	174	106	197
	2015	847	101	257	184	305	202
	2016	850	101	263	173	312	192
	2017	886	117	299	171	298	191

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Other Asia	2014	2,875	894	979	505	497	123
	2015	2,901	913	970	517	501	124
	2016	2,941	901	994	532	513	125
	2017	2,929	888	1,007	526	508	124
Pakistan	2014	*2,754	182	*725	564	*1,282	*15
	2015	*2,843	198	*782	633	*1,230	*15
	2016	2,940	*188	873	702	1,177	15
	2017	3,179	209	912	778	1,280	16
Philippines	2014	1,206	26	273	400	508	12
	2015	1,313	50	281	462	519	13
	2016	1,423	55	311	500	556	14
	2017	1,507	68	332	517	590	14
Qatar	2014	758	213	289	169	86	319
	2015	768	225	274	175	95	310
	2016	749	194	277	181	97	292
	2017	762	195	271	185	110	289
Saudi Arabia	2014	5,887	1,155	2,041	1,821	869	191
	2015	6,698	1,284	1,809	1,975	1,630	212
	2016	6,588	1,123	1,803	1,899	1,762	204
	2017	6,395	1,136	*1,804	1,737	1,718	194
Singapore	2014	713	276	245	94	98	131
	2015	707	274	240	93	101	128
	2016	764	301	270	91	103	136
	2017	1,025	528	295	100	102	180
Sri Lanka	2014	340	*2	83	110	144	16
	2015	373	*1	111	117	144	18
	2016	393	*4	96	148	145	19
	2017	382	*1	86	150	145	18
State of Palestine	2014	65	1	3	33	29	14
	2015	65	1	3	29	32	14
	2016	69	1	3	32	32	14
	2017	69	1	4	32	33	14
Syrian Arab Republic	2014	299	30	71	91	107	16
	2015	276	27	65	88	95	15
	2016	268	26	64	89	89	15
	2017	222	26	49	71	77	12
Tajikistan	2014	148	1	15	22	111	18
	2015	154	1	15	19	119	18
	2016	165	1	26	18	120	19
	2017	164	1	31	16	116	18
Thailand	2014	3,808	953	1,056	944	855	56
	2015	3,873	936	1,080	1,006	852	56
	2016	4,075	947	1,343	1,067	717	59
	2017	4,147	944	1,315	1,156	733	60
Timor-Leste	2014	*5	..	..	*1	*4	*4
	2015	*5	..	..	*1	*4	*4
	2016	*4	..	..	*1	*3	*3
	2017	*4	..	..	*1	*3	*3
Turkey	2014	3,551	231	1,020	873	1,427	46
	2015	3,859	291	1,049	1,033	1,485	49
	2016	4,040	337	1,065	1,126	1,512	51
	2017	4,339	206	1,313	1,177	1,643	54

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Turkmenistan	2014	750	..	56	182	512	137
	2015	757	..	58	182	517	136
	2016	755	..	58	182	515	133
	2017	756	..	58	182	516	131
United Arab Emirates	2014	2,533	264	1,386	543	340	279
	2015	*2,856	*330	*1,614	542	370	*312
	2016	*2,355	*305	*1,191	485	*374	*254
	2017	2,203	146	1,107	571	378	234
Uzbekistan	2014	*1,274	*64	*286	*116	*808	*42
	2015	*1,261	*58	*284	*112	*806	*41
	2016	*1,323	*60	*293	*116	*854	*42
	2017	*1,358	*66	*306	*115	*870	*43
Viet Nam	2014	2,176	63	809	430	874	24
	2015	2,304	72	868	435	929	25
	2016	2,373	72	843	477	982	25
	2017	2,425	22	960	536	908	25
Yemen	2014	252	1	44	117	90	10
	2015	113	0	17	43	52	4
	2016	100	0	13	38	48	4
	2017	94	0	13	37	43	3
Europe	2014	71,476	7,806	17,765	18,426	27,479	96
	2015	71,785	7,795	17,466	18,542	27,981	97
	2016	72,347	6,952	17,875	18,914	28,606	97
	2017	74,225	7,878	18,095	19,203	29,049	100
Albania	2014	98	3	24	35	36	34
	2015	84	3	13	34	35	29
	2016	81	4	14	32	32	28
	2017	90	2	17	36	35	31
Andorra	2014	8	0	0	5	4	107
	2015	9	0	0	5	4	109
	2016	9	0	0	5	4	112
	2017	9	0	0	5	4	112
Austria	2014	1,115	74	325	352	363	129
	2015	1,133	71	316	364	381	131
	2016	1,157	75	328	368	385	133
	2017	1,166	67	335	374	390	133
Belarus	2014	849	146	191	171	341	90
	2015	766	115	169	154	328	81
	2016	773	106	166	160	340	82
	2017	791	105	173	166	347	84
Belgium	2014	1,679	337	458	363	521	150
	2015	1,729	321	459	379	570	153
	2016	1,745	316	469	384	576	154
	2017	1,718	313	461	378	566	150
Bosnia and Herzegovina	2014	133	3	30	42	59	37
	2015	142	3	32	43	64	40
	2016	152	3	32	50	67	43
	2017	149	3	35	53	60	43
Bulgaria	2014	392	22	110	124	137	54
	2015	417	26	113	136	142	58
	2016	418	21	111	139	147	59
	2017	425	20	114	141	150	60

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Croatia	2014	280	24	46	79	131	66
	2015	294	23	46	84	142	69
	2016	296	23	46	86	142	70
	2017	308	23	50	92	143	74
Czechia	2014	1,053	118	265	253	418	99
	2015	1,062	100	271	263	428	100
	2016	1,057	70	268	272	446	100
	2017	1,136	119	280	281	456	107
Denmark	2014	544	11	87	170	276	96
	2015	562	10	87	173	292	99
	2016	581	10	91	177	302	102
	2017	586	10	97	180	299	102
Estonia	2014	121	5	23	31	62	92
	2015	119	4	22	32	61	91
	2016	121	4	23	33	61	93
	2017	125	5	21	34	65	95
Faeroe Islands	2014	8	0	1	3	4	163
	2015	8	0	1	3	4	170
	2016	8	0	1	3	4	169
	2017	9	0	1	3	5	192
Finland	2014	1,053	65	433	175	380	193
	2015	1,029	57	433	174	366	188
	2016	1,074	62	446	177	389	195
	2017	1,079	61	454	179	385	195
France	2014	6,313	610	1,148	1,905	2,650	95
	2015	6,406	590	1,128	1,924	2,765	96
	2016	6,492	571	1,173	1,928	2,821	97
	2017	6,520	599	1,173	1,944	2,804	97
Germany	2014	9,120	934	2,291	2,354	3,541	112
	2015	9,280	899	2,307	2,382	3,692	114
	2016	9,441	908	2,322	2,432	3,779	115
	2017	9,542	971	2,327	2,468	3,776	116
Gibraltar	2014	7	1	..	5	1	205
	2015	7	1	..	6	1	219
	2016	8	1	..	6	1	237
	2017	9	1	..	7	1	258
Greece	2014	651	30	129	239	253	58
	2015	690	29	131	244	285	62
	2016	692	25	129	250	287	62
	2017	699	34	130	247	288	63
Guernsey	2014	1	..	..	..	1	21
	2015	1	..	..	..	1	20
	2016	1	..	..	..	1	21
	2017	1	..	..	..	1	21
Hungary	2014	748	79	159	167	342	76
	2015	797	82	167	180	367	81
	2016	813	80	171	185	377	83
	2017	850	95	184	192	379	87
Iceland	2014	115	1	60	12	43	350
	2015	120	1	61	13	46	363
	2016	126	1	60	14	51	378
	2017	125	1	62	15	47	372

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Ireland	2014	426	9	93	159	165	91
	2015	439	9	100	159	172	93
	2016	456	12	102	171	172	97
	2017	457	11	105	170	172	96
Isle of Man	2014	2	..	0	..	2	28
	2015	2	..	1	..	2	27
	2016	2	..	1	..	2	27
	2017	2	..	0	..	2	28
Italy	2014	4,899	303	1,050	1,571	1,975	82
	2015	5,006	279	1,049	1,545	2,134	84
	2016	4,964	266	1,054	1,521	2,124	83
	2017	5,008	334	1,048	1,466	2,160	84
Jersey	2014	6	..	2	2	2	61
	2015	6	..	1	2	3	60
	2016	6	..	*1	2	3	59
	2017	6	..	*1	2	3	58
Kosovo	2014	53	1	10	14	27	29
	2015	58	2	13	16	27	32
	2016	62	2	12	16	32	34
	2017	66	2	13	17	33	36
Latvia	2014	163	4	33	42	84	81
	2015	160	5	33	44	78	80
	2016	160	4	31	44	80	81
	2017	167	4	33	46	84	86
Liechtenstein	2014	3	..	..	..	3	78
	2015	3	..	..	..	3	79
	2016	3	..	..	..	3	79
	2017	3	..	..	..	3	80
Lithuania	2014	244	42	43	70	88	82
	2015	248	47	41	74	86	85
	2016	255	44	41	79	90	88
	2017	271	51	44	83	93	94
Luxembourg	2014	154	1	28	89	36	277
	2015	152	1	27	84	39	267
	2016	152	2	28	82	40	263
	2017	155	1	27	84	42	265
Malta	2014	19	0	2	8	9	44
	2015	20	0	2	8	9	46
	2016	20	0	2	8	9	46
	2017	21	0	2	9	9	48
Montenegro	2014	28	1	6	7	14	44
	2015	29	1	6	8	14	46
	2016	30	1	5	9	15	48
	2017	32	2	6	10	15	51
Netherlands	2014	2,339	530	570	439	800	138
	2015	2,381	516	578	443	843	141
	2016	2,430	538	596	444	852	143
	2017	2,476	571	601	456	848	145
North Macedonia	2014	82	2	19	23	37	39
	2015	83	3	18	26	37	40
	2016	85	6	15	29	35	41
	2017	85	3	14	31	37	41

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
Norway	2014	841	101	243	210	286	164
	2015	856	104	247	209	295	165
	2016	864	97	247	212	307	164
	2017	868	104	254	199	312	164
Poland	2014	2,740	223	611	670	1,236	72
	2015	2,791	244	607	708	1,232	73
	2016	2,959	241	620	791	1,307	77
	2017	3,142	256	669	913	1,305	82
Portugal	2014	683	61	189	231	201	65
	2015	688	57	199	236	197	66
	2016	684	49	195	241	199	66
	2017	695	51	202	244	197	67
Republic of Moldova	2014	102	2	10	25	65	25
	2015	104	2	9	27	66	25
	2016	108	1	8	29	70	27
	2017	114	1	9	29	75	28
Romania	2014	953	66	255	223	409	48
	2015	939	50	251	226	411	47
	2016	953	51	243	243	416	48
	2017	992	47	251	261	433	50
Russian Federation	2014	19,293	3,230	5,293	3,991	6,779	134
	2015	19,222	3,343	5,221	3,953	6,704	134
	2016	18,817	2,520	5,595	3,970	6,731	131
	2017	20,059	3,181	5,611	3,976	7,291	139
Serbia	2014	338	22	79	84	153	48
	2015	351	25	84	83	159	50
	2016	375	35	89	85	165	54
	2017	386	36	96	88	166	55
Slovakia	2014	413	39	140	94	140	76
	2015	425	44	143	94	145	78
	2016	434	41	142	104	147	80
	2017	466	46	147	119	154	86
Slovenia	2014	198	6	51	76	65	96
	2015	201	5	51	75	70	97
	2016	210	6	52	80	73	101
	2017	209	6	54	78	71	101
Spain	2014	3,319	173	806	1,201	1,139	71
	2015	3,364	182	757	1,255	1,171	73
	2016	3,463	208	752	1,304	1,199	75
	2017	3,527	206	785	1,352	1,184	76
Sweden	2014	1,344	83	449	334	478	139
	2015	1,360	75	464	337	485	139
	2016	1,409	91	458	353	507	143
	2017	1,414	102	460	354	499	143
Switzerland	2014	773	20	150	251	352	93
	2015	782	20	149	242	371	94
	2016	793	19	150	242	383	94
	2017	785	19	151	240	375	92
Ukraine	2014	2,599	146	879	435	1,140	58
	2015	2,145	139	692	371	943	48
	2016	2,187	121	634	394	1,038	49
	2017	2,122	104	639	416	963	48

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
United Kingdom	2014	5,174	277	971	1,693	2,233	80
	2015	5,311	305	969	1,724	2,314	81
	2016	5,421	313	951	1,761	2,395	82
	2017	5,360	310	961	1,765	2,324	81
Oceania	2014	4,209	307	1,260	1,576	1,066	108
	2015	4,203	266	1,219	1,619	1,099	106
	2016	4,222	284	1,192	1,639	1,108	105
	2017	4,253	269	1,178	1,680	1,125	105
American Samoa	2014	0	0	0	..	0	9
	2015	1	0	0	..	0	9
	2016	1	0	0	..	0	10
	2017	*1	0	0	..	0	*10
Australia	2014	3,394	231	1,006	1,325	832	145
	2015	3,389	201	969	1,357	863	142
	2016	3,395	208	940	1,372	875	141
	2017	3,413	200	923	1,399	892	140
Cook Islands	2014	*1	..	..	*1	0	*43
	2015	*1	..	..	*1	0	*40
	2016	*1	..	..	*1	0	*39
	2017	1	..	..	1	0	43
Fiji	2014	*22	0	*9	*9	3	*25
	2015	*24	0	*10	*11	4	*27
	2016	*22	0	*8	*11	4	*25
	2017	*24	0	*9	*11	4	*26
French Polynesia	2014	*7	0	..	*5	*3	*27
	2015	*8	0	..	*5	*3	*28
	2016	*8	0	..	*5	*2	*27
	2017	*8	0	..	*5	*3	*27
Guam	2014	6	..	..	..	6	34
	2015	6	..	..	..	6	34
	2016	6	..	..	..	6	35
	2017	6	..	..	..	6	35
Kiribati	2014	*1	0	0	0	*1	*10
	2015	*1	0	0	0	*1	*10
	2016	*1	0	0	0	*1	*10
	2017	*1	0	0	0	*1	*10
Marshall Islands	2014	*2	..	0	*1	0	*31
	2015	*2	..	0	*1	0	*31
	2016	*2	..	0	*1	0	*31
	2017	*2	..	0	*1	0	*32
Micronesia (Fed. States of)	2014	*1	0	0	*1	0	*14
	2015	*1	0	0	*1	0	*14
	2016	*1	0	0	*1	0	*14
	2017	*1	0	0	*1	0	*14
Nauru	2014	0	..	..	0	0	*43
	2015	*1	..	..	0	0	*45
	2016	0	..	..	0	0	*41
	2017	0	..	..	0	0	*43
New Caledonia	2014	40	6	22	9	3	149
	2015	39	5	21	9	3	143
	2016	41	7	21	9	3	149
	2017	42	7	22	9	3	152

Table 3

Total final consumption and its components

Petajoules and gigajoules per capita

Country or area	Year	Total final consumption	Non-energy use	Energy use			TFC per capita
				Industry	Transport	Other	
New Zealand	2014	600	68	189	194	149	131
	2015	594	59	184	201	150	129
	2016	605	68	186	206	146	130
	2017	614	62	187	219	146	131
Niue	2014	0	..	0	0	0	44
	2015	0	..	0	0	0	46
	2016	0	..	0	0	0	*46
	2017	0	..	0	0	0	*46
Northern Mariana Islands	2014	*1	..	..	..	*1	*22
	2015	*1	..	..	..	*1	*22
	2016	*1	..	..	..	*1	*20
	2017	*1	..	..	..	*1	*19
Palau	2014	*2	0	0	*2	0	*131
	2015	*2	0	0	*2	0	*131
	2016	*2	0	0	*2	0	*129
	2017	*2	0	0	*2	0	*134
Papua New Guinea	2014	*117	1	34	22	*60	*15
	2015	*119	..	36	24	*60	*15
	2016	*121	..	37	24	*60	*15
	2017	*121	..	*37	*24	*60	*15
Samoa	2014	3	0	0	2	2	18
	2015	4	0	0	2	2	20
	2016	*4	0	0	*2	*2	*21
	2017	*4	0	0	*2	*2	*21
Solomon Islands	2014	*7	0	0	*3	*4	*12
	2015	*7	0	0	*3	*4	*11
	2016	*7	0	0	*3	*4	*11
	2017	*7	0	0	*3	*4	*11
Tonga	2014	*1	0	..	*1	0	*12
	2015	*1	0	..	*1	0	*12
	2016	*1	0	..	*1	0	*14
	2017	*2	0	..	*1	0	*17
Tuvalu	2014	0	..	..	0	0	*7
	2015	0	..	..	0	0	*8
	2016	0	..	..	0	0	*8
	2017	0	..	..	0	0	*8
Vanuatu	2014	*3	0	..	*2	*1	*11
	2015	*3	0	..	*1	*1	*9
	2016	*3	0	..	*1	*1	*10
	2017	*3	0	..	*1	*1	*9
Wallis and Futuna Is.	2014	0	..	..	0	0	18
	2015	0	..	..	0	0	*18
	2016	0	..	..	0	0	*19
	2017	0	..	..	0	0	*19

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Table Notes

Production includes hard coal, brown coal, oil shale and peat. Production from other sources of hard coal and brown coal is also included, representing recovered slurries, middlings, and other low-grade coal products which cannot be classified according to type of coal and which includes coal recovered from waste piles and other waste receptacles.

Imports, Exports and Changes in stocks refer to hard coal, brown coal, oil shale, peat, coke oven coke, gas coke, coal tar, patent fuel, brown coal briquettes, peat products and other coal products.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification, and xvi to xvii for the descriptions of relevant flows.

Figure 11: Production of coal by region, 1990-2017

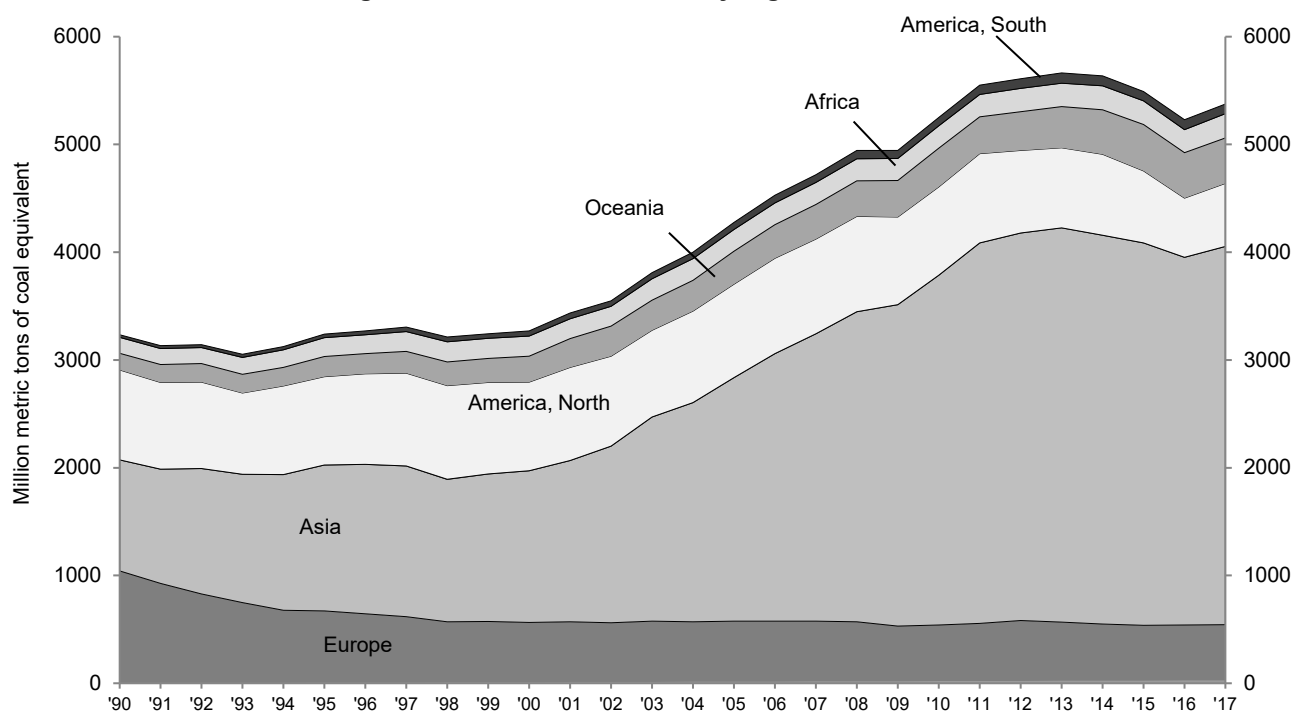


Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	5,637,109	1,146,070	1,203,530	36,132	5,543,517	760
	2015	5,491,486	1,077,015	1,145,668	9,586	5,413,247	734
	2016	5,228,905	1,087,106	1,170,005	-162,560	5,308,565	711
	2017	5,374,908	1,144,809	1,233,398	-49,017	5,335,335	707
Africa	2014	223,931	11,030	60,686	3,704	170,572	147
	2015	218,922	10,506	66,312	2,540	160,576	135
	2016	215,409	11,048	64,367	-3,134	165,225	136
	2017	224,526	12,025	68,967	666	166,918	134
Algeria	2014	..	246	..	28	218	6
	2015	..	203	..	1	202	5
	2016	..	75	..	75	0	0
	2017	..	290	..	-29	319	8
Benin	2014	..	62	..	..	62	6
	2015	..	36	..	..	36	3
	2016	..	106	..	..	106	10
	2017	..	112	..	..	112	10
Botswana	2014	1,378	..	156	-226	1,448	668
	2015	1,678	..	195	*391	1,093	495
	2016	1,508	..	165	*3	1,346	598
	2017	1,787	..	184	..	1,603	700
Burundi	2014	6	..	..	..	6	1
	2015	2	..	..	..	2	0
	2016	5	..	..	..	5	0
	2017	7	..	..	..	7	1
Egypt	2014	0	683	120	0	563	6
	2015	..	600	94	0	507	5
	2016	..	668	*61	0	607	6
	2017	..	667	*143	..	524	5
Eswatini	2014	157	33	117	..	73	67
	2015	*103	62	*76	..	*88	*80
	2016	*115	89	*85	*-10	*128	*115
	2017	160	5	160	*-48	54	48
Ethiopia	2014	..	357	..	..	357	4
	2015	..	362	..	..	362	4
	2016	..	463	..	..	463	5
	2017	..	511	..	..	511	5
Kenya	2014	..	*414	..	..	*414	*9
	2015	..	438	..	..	438	9
	2016	..	432	..	..	432	9
	2017	..	408	..	..	408	8
Lesotho	2014	..	*616	..	..	*616	*287
	2015	..	*567	..	..	*567	*261
	2016	..	*567	..	..	*567	*257
	2017	..	*567	..	..	*567	*254
Madagascar	2014	..	338	..	..	338	14
	2015	..	*349	..	..	*349	*14
	2016	..	340	..	..	340	14
	2017	..	483	..	..	483	19
Malawi	2014	56	17	*7	..	66	4
	2015	52	30	7	..	75	4
	2016	38	*40	7	..	71	4
	2017	*42	*36	*7	..	*71	*4

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Mauritius	2014	..	680	..	26	654	520
	2015	..	708	..	73	635	504
	2016	..	815	..	168	647	512
	2017	..	1,267	..	594	673	532
Morocco	2014	..	6,146	..	379	5,767	166
	2015	..	6,090	..	-259	6,349	180
	2016	..	6,340	..	221	6,119	171
	2017	..	6,420	..	59	6,361	175
Mozambique	2014	5,814	..	4,296	1,208	310	11
	2015	6,152	..	4,482	*1,507	163	6
	2016	5,039	..	7,291	*-2,271	19	1
	2017	10,800	..	10,800	-34	34	1
Namibia	2014	..	*26	..	..	*26	*11
	2015	..	3	..	..	3	1
	2016	..	26	..	..	26	11
	2017	..	33	..	..	33	13
Niger	2014	140	..	..	-6	146	8
	2015	121	..	..	-2	123	6
	2016	135	..	..	0	135	7
	2017	122	..	..	0	122	6
Nigeria	2014	40	..	..	..	40	0
	2015	41	..	..	..	41	0
	2016	40	..	..	..	40	0
	2017	40	..	..	..	40	0
Senegal	2014	..	415	..	..	415	29
	2015	..	433	..	..	433	29
	2016	..	455	..	..	455	29
	2017	..	542	..	..	542	34
South Africa	2014	210,645	902	55,809	..	155,737	2,855
	2015	206,396	549	61,274	..	145,671	2,635
	2016	206,503	561	56,573	..	150,490	2,687
	2017	207,701	611	57,479	..	150,833	2,659
United Rep. of Tanzania	2014	217	..	..	..	217	4
	2015	226	..	..	..	226	4
	2016	243	..	..	..	243	4
	2017	496	..	..	..	496	9
Zambia	2014	134	*54	*3	..	185	12
	2015	134	*54	*3	..	185	11
	2016	277	*50	*2	..	325	20
	2017	672	*50	*2	..	720	42
Zimbabwe	2014	5,345	42	177	2,296	2,913	214
	2015	4,016	22	181	829	3,028	219
	2016	1,507	22	183	-1,314	2,661	190
	2017	2,698	23	191	124	2,406	169
America, North	2014	753,552	26,941	107,716	4,335	668,442	1,182
	2015	668,618	27,281	86,907	26,422	582,570	1,021
	2016	550,643	25,376	76,311	-34,256	533,965	927
	2017	586,131	26,306	106,668	-14,312	520,081	895
Bahamas	2014	..	*1	..	..	*1	*4
	2015	..	*1	..	..	*1	*4
	2016	..	*1	..	..	*1	*4
	2017	..	*1	..	..	*1	*4

Table 4

Production, trade and supply of coal
 Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Bermuda	2014	..	0	..	..	0	1
	2015	..	0	..	..	0	5
	2016	..	0	..	..	0	8
	2017	..	0	..	..	0	5
Canada	2014	49,731	7,705	29,350	621	27,465	771
	2015	44,217	7,563	26,038	-70	25,811	718
	2016	42,891	6,515	25,916	-552	24,041	662
	2017	43,612	7,423	26,543	309	24,183	660
Costa Rica	2014	..	8	..	..	8	2
	2015	..	0	..	..	0	0
	2016	..	0	..	..	0	0
	2017	..	6	..	..	6	1
Cuba	2014	..	2	..	..	2	0
	2015	..	7	..	..	7	1
	2016	..	3	..	..	3	0
	2017	..	4	..	..	4	0
Dominican Republic	2014	..	1,026	..	-33	1,059	102
	2015	..	981	..	22	959	91
	2016	..	988	..	34	954	90
	2017	..	1,105	..	-5	1,109	103
Guatemala	2014	..	1,236	..	306	930	58
	2015	..	1,938	..	605	1,333	82
	2016	..	1,776	..	210	1,566	94
	2017	..	1,609	..	135	1,475	87
Honduras	2014	..	204	..	0	204	23
	2015	..	190	..	0	190	21
	2016	..	240	..	0	240	26
	2017	..	354	..	0	354	38
Jamaica	2014	..	83	..	-9	92	32
	2015	..	95	..	6	89	31
	2016	..	86	..	1	86	30
	2017	..	85	..	12	72	25
Mexico	2014	11,074	7,277	4	273	18,074	145
	2015	8,282	7,554	3	-548	16,380	130
	2016	9,943	8,053	2	308	17,686	139
	2017	9,401	9,819	99	1,010	18,111	140
Panama	2014	..	310	..	..	310	79
	2015	..	312	..	..	312	79
	2016	..	276	..	..	276	68
	2017	..	77	..	..	77	19
United States	2014	692,746	9,089	78,362	3,177	620,297	1,952
	2015	616,120	8,639	60,867	26,407	537,486	1,680
	2016	497,810	7,437	50,392	-34,257	489,112	1,518
	2017	533,119	5,823	80,026	-15,773	474,689	1,463
America, South	2014	91,926	33,771	79,804	-72	45,966	112
	2015	87,595	34,033	70,669	2,028	48,931	118
	2016	90,995	33,233	79,996	-1,612	45,843	109
	2017	89,643	35,301	98,612	-19,328	45,660	108
Argentina	2014	48	1,971	10	-78	2,087	49
	2015	29	1,959	10	-83	2,060	47
	2016	20	1,554	8	-13	1,581	36
	2017	17	1,486	0	-110	1,613	36

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Brazil	2014	5,037	23,101	0	394	27,744	136
	2015	4,033	23,517	0	-498	28,047	136
	2016	4,446	21,477	0	570	25,353	122
	2017	3,058	23,701	..	221	26,539	127
Chile	2014	3,126	8,155	1,814	276	9,191	522
	2015	2,986	8,110	840	17	10,239	576
	2016	1,448	9,464	641	91	10,179	568
	2017	1,403	9,554	579	-79	10,456	579
Colombia	2014	82,250	..	76,743	0	5,507	115
	2015	79,437	..	68,905	3,316	7,216	150
	2016	84,046	..	78,588	-1,875	7,333	151
	2017	84,081	..	97,083	-18,805	5,803	118
Falkland Is. (Malvinas)	2014	*3	..	..	..	*3	*1,014
	2015	*3	..	..	..	*3	*898
	2016	*2	..	..	..	*2	*782
	2017	2	..	..	..	2	559
Paraguay	2014	..	0	..	..	0	0
	2015	..	3	..	..	3	0
	2016	..	2	..	..	2	0
	2017	..	1	..	..	1	0
Peru	2014	211	540	267	-665	1,149	37
	2015	243	440	244	-724	1,164	37
	2016	251	730	154	-384	1,211	38
	2017	278	553	326	-554	1,059	33
Uruguay	2014	..	3	..	..	3	1
	2015	..	4	..	..	4	1
	2016	..	7	..	..	7	2
	2017	..	6	..	..	6	2
Venezuela (Bolivar. Rep.)	2014	1,251	..	970	..	282	9
	2015	866	..	671	..	195	6
	2016	781	..	605	..	176	6
	2017	805	..	624	..	181	6
Asia	2014	3,606,715	830,003	433,331	16,301	3,987,086	911
	2015	3,548,144	783,055	392,669	-10,158	3,948,689	893
	2016	3,410,518	812,085	411,212	-104,006	3,915,397	877
	2017	3,509,900	856,964	418,588	-25,876	3,974,151	882
Afghanistan	2014	1,336	*197	279	..	1,254	38
	2015	1,201	*193	425	..	969	29
	2016	1,495	*193	709	..	979	28
	2017	1,929	*195	957	..	1,167	33
Armenia	2014	0	1	1	..	1	0
	2015	1	1	1	..	1	0
	2016	1	2	1	..	2	1
	2017	3	2	3	..	2	1
Azerbaijan	2014	..	2	..	-1	3	0
	2015	..	1	..	-4	5	0
	2016	..	1	..	-1	2	0
	2017	..	2	..	0	2	0
Bangladesh	2014	676	705	..	59	1,322	8
	2015	483	2,620	..	-141	3,243	20
	2016	729	1,559	..	..	2,289	14
	2017	829	1,866	..	..	2,695	16

Table 4

Production, trade and supply of coal
 Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Bhutan	2014	107	..	23	..	84	108
	2015	75	..	5	..	70	89
	2016	104	..	0	..	104	130
	2017	142	..	17	..	126	155
Cambodia	2014	..	345	..	..	345	23
	2015	..	838	..	..	838	54
	2016	..	970	..	..	970	62
	2017	38	1,326	..	-77	1,441	90
China	2014	2,663,058	178,295	12,201	30,517	2,798,635	2,013
	2015	2,607,837	124,709	13,088	-19,290	2,738,748	1,960
	2016	2,415,315	160,992	16,054	-105,199	2,665,452	1,899
	2017	2,496,752	169,202	13,579	-37,854	2,690,229	1,909
China, Hong Kong SAR	2014	..	12,407	0	778	11,629	1,616
	2015	..	10,063	0	499	9,564	1,320
	2016	..	10,042	0	478	9,565	1,310
	2017	..	9,450	..	490	8,960	1,217
Cyprus	2014	..	4	..	1	4	3
	2015	..	5	..	0	5	5
	2016	..	0	..	0	0	0
	2017	..	15	..	10	5	4
Georgia	2014	175	245	2	-4	422	106
	2015	177	228	1	5	400	101
	2016	172	237	1	34	374	95
	2017	156	276	14	-1	418	107
India	2014	364,129	193,601	807	-2,870	559,792	433
	2015	378,700	185,749	812	3,612	560,025	428
	2016	384,883	176,775	1,085	-7,385	567,959	429
	2017	385,495	193,663	930	-8,617	586,845	438
Indonesia	2014	383,741	2,437	361,221	-9,486	34,443	135
	2015	376,390	2,863	323,263	-1,823	57,812	224
	2016	402,358	3,959	326,101	-364	80,581	309
	2017	407,258	4,694	344,127	346	67,479	256
Iran (Islamic Rep. of)	2014	1,021	556	195	1	1,381	18
	2015	1,144	684	188	0	1,639	21
	2016	1,056	345	99	1	1,302	16
	2017	1,452	440	114	1	1,777	22
Israel	2014	54	9,398	..	-85	9,537	1,201
	2015	57	9,404	..	5	9,456	1,173
	2016	57	7,465	..	-331	7,853	959
	2017	61	7,240	..	201	7,099	853
Japan	2014	1,166	167,900	501	42	168,524	1,315
	2015	1,107	168,250	786	-3	168,573	1,317
	2016	942	163,473	1,024	77	163,314	1,278
	2017	1,106	166,425	1,229	-80	166,382	1,305
Jordan	2014	..	503	..	..	503	57
	2015	..	258	..	..	258	28
	2016	..	324	..	..	324	34
	2017	..	221	..	..	221	23
Kazakhstan	2014	67,426	1,054	19,300	188	48,991	2,801
	2015	61,770	843	18,738	580	43,296	2,439
	2016	61,735	731	16,212	1,357	44,897	2,496
	2017	67,586	819	18,268	1,579	48,558	2,667

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Korea, Dem.Ppl's.Rep.	2014	23,213	292	14,018	..	9,486	378
	2015	24,101	1,009	17,971	..	7,139	283
	2016	27,262	1,284	20,435	..	8,112	320
	2017	18,995	794	*4,435	*9,276	6,078	238
Korea, Republic of	2014	1,111	113,603	..	-1,367	116,082	2,304
	2015	1,121	115,899	..	1,130	115,890	2,291
	2016	1,097	116,238	..	812	116,523	2,294
	2017	983	116,668	..	-198	117,849	2,312
Kyrgyzstan	2014	941	920	152	41	1,668	289
	2015	1,011	972	149	222	1,612	275
	2016	959	567	204	37	1,284	216
	2017	969	648	268	97	1,251	207
Lao People's Dem. Rep.	2014	553	..	139	..	414	63
	2015	1,852	..	0	..	1,852	278
	2016	4,993	..	0	*1,176	3,817	565
	2017	5,070	..	0	*-42	5,112	745
Lebanon	2014	..	236	..	..	236	38
	2015	..	*236	..	..	*236	*36
	2016	..	*236	..	..	*236	*35
	2017	..	*236	..	..	*236	*35
Malaysia	2014	2,420	19,577	163	23	21,811	722
	2015	2,305	22,930	223	14	24,998	814
	2016	2,175	24,529	22	-349	27,032	867
	2017	2,692	27,401	547	-82	29,628	937
Mongolia	2014	21,641	1	13,741	-1,779	9,681	3,311
	2015	20,639	1	12,864	473	7,303	2,453
	2016	31,123	0	23,064	-131	8,190	2,705
	2017	43,242	2	27,749	4,289	11,206	3,643
Myanmar	2014	450	0	16	..	435	8
	2015	363	0	16	..	347	7
	2016	566	209	20	..	755	14
	2017	737	0	0	..	737	14
Nepal	2014	12	680	..	..	692	24
	2015	16	780	..	..	796	28
	2016	18	967	..	..	985	34
	2017	20	1,110	..	..	1,130	39
Other Asia	2014	..	57,867	68	-560	58,359	2,493
	2015	..	57,453	0	760	56,693	2,414
	2016	..	57,958	1	-140	58,097	2,466
	2017	..	59,932	45	622	59,265	2,508
Pakistan	2014	2,382	4,719	..	..	7,102	38
	2015	2,658	4,607	..	..	7,265	38
	2016	2,673	6,623	..	..	9,296	48
	2017	2,869	12,908	..	..	15,777	80
Philippines	2014	5,731	11,728	4,348	-2,373	15,484	155
	2015	5,563	13,248	2,342	-343	16,813	165
	2016	8,453	15,061	5,153	-292	18,654	181
	2017	8,997	17,003	4,654	-974	22,320	213
Singapore	2014	..	566	11	..	555	102
	2015	..	581	0	..	581	105
	2016	..	609	1	..	609	108
	2017	..	1,284	1	*599	685	120

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Sri Lanka	2014	..	1,607	..	145	1,461	71
	2015	..	1,882	..	*-85	1,967	95
	2016	..	2,405	..	323	2,082	100
	2017	..	2,527	..	*370	2,157	103
Syrian Arab Republic	2014	..	1	..	..	1	0
	2015	..	1	..	..	1	0
	2016	..	1	..	..	1	0
	2017	..	1	..	..	1	0
Tajikistan	2014	549	8	1	..	556	67
	2015	653	8	0	..	661	77
	2016	1,117	8	0	..	1,125	129
	2017	1,491	6	4	..	1,492	167
Thailand	2014	6,603	19,155	21	3,070	22,668	331
	2015	5,545	21,582	19	2,984	24,124	351
	2016	6,151	20,375	31	4,474	22,022	320
	2017	5,864	21,101	41	3,512	23,412	339
Turkey	2014	23,136	27,702	156	-578	51,260	665
	2015	18,284	31,470	215	273	49,266	629
	2016	22,139	33,623	179	777	54,805	689
	2017	22,403	35,588	204	435	57,352	710
United Arab Emirates	2014	..	2,821	0	..	2,821	311
	2015	..	2,452	0	..	2,452	268
	2016	..	2,630	0	..	2,630	284
	2017	..	3,043	..	..	3,043	324
Uzbekistan	2014	2,213	498	0	12	2,698	88
	2015	1,761	476	0	-60	2,297	74
	2016	1,955	469	0	108	2,316	74
	2017	2,036	481	0	-106	2,623	82
Viet Nam	2014	32,869	206	*5,967	528	26,580	287
	2015	33,331	625	*1,564	1,034	31,357	335
	2016	30,988	1,107	818	534	30,743	325
	2017	30,727	286	1,404	329	29,280	306
Yemen	2014	..	165	..	..	165	6
	2015	..	137	..	..	137	5
	2016	..	119	..	..	119	4
	2017	..	112	..	..	112	4
Europe	2014	549,877	243,177	174,694	9,720	608,641	820
	2015	538,899	220,858	165,917	-13,790	607,631	818
	2016	541,815	203,843	177,958	-14,143	581,843	782
	2017	543,628	212,682	190,202	3,958	562,149	755
Albania	2014	0	402	..	..	402	138
	2015	48	88	..	..	136	46
	2016	3	70	..	..	72	25
	2017	97	69	..	..	166	57
Andorra	2014	..	0	..	..	0	*1
	2015	..	0	..	..	0	*1
	2016	..	0	..	..	0	*1
	2017	..	0	..	..	0	*1
Austria	2014	0	4,382	1	49	4,333	502
	2015	0	3,936	56	-629	4,510	520
	2016	0	4,100	37	-173	4,236	486
	2017	..	4,444	39	-4	4,409	505

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Belarus	2014	513	747	39	-8	1,228	130
	2015	350	641	65	-172	1,098	116
	2016	465	676	62	-101	1,180	124
	2017	654	694	176	-44	1,216	128
Belgium	2014	18	5,440	705	113	4,640	414
	2015	14	4,555	87	-136	4,618	409
	2016	13	4,113	76	-231	4,281	377
	2017	16	4,223	106	-201	4,333	379
Bosnia and Herzegovina	2014	4,390	1,490	511	70	5,300	1,486
	2015	4,189	1,442	439	277	4,915	1,390
	2016	5,029	1,340	462	33	5,874	1,670
	2017	5,160	1,442	386	232	5,984	1,706
Bulgaria	2014	7,327	1,359	12	-468	9,142	1,266
	2015	8,379	1,080	8	-6	9,457	1,318
	2016	7,309	822	4	-34	8,160	1,144
	2017	8,134	833	5	193	8,769	1,238
Croatia	2014	..	853	..	-71	924	217
	2015	..	892	..	26	865	204
	2016	..	949	..	19	930	221
	2017	..	564	..	4	560	134
Czechia	2014	24,269	4,172	4,979	385	23,078	2,177
	2015	24,164	3,883	4,218	273	23,556	2,221
	2016	23,034	4,165	4,284	-947	23,863	2,249
	2017	21,832	4,222	3,308	-112	22,858	2,153
Denmark	2014	..	3,650	42	169	3,440	607
	2015	..	2,168	72	-370	2,466	434
	2016	..	2,307	17	-416	2,707	474
	2017	..	2,564	0	351	2,213	386
Estonia	2014	6,169	76	42	122	6,081	4,612
	2015	6,067	6	21	489	5,564	4,230
	2016	4,895	21	19	-832	5,728	4,365
	2017	5,935	34	29	-127	6,067	4,633
Finland	2014	2,290	5,244	77	1,062	6,395	1,171
	2015	1,196	3,713	120	-1,088	5,877	1,072
	2016	1,029	3,994	89	-1,590	6,524	1,186
	2017	1,044	3,868	135	-1,139	5,916	1,071
France	2014	266	13,955	54	143	14,025	211
	2015	0	13,042	26	-218	13,235	198
	2016	0	12,318	79	-895	13,133	196
	2017	..	14,411	6	305	14,101	210
Germany	2014	63,047	53,136	2,149	216	113,818	1,397
	2015	61,661	53,538	1,852	-531	113,878	1,394
	2016	56,750	56,663	1,985	1,187	110,241	1,346
	2017	56,346	48,289	2,112	608	101,915	1,241
Greece	2014	9,120	285	8	-156	9,553	848
	2015	8,108	227	..	326	8,009	714
	2016	5,675	272	..	-295	6,242	558
	2017	6,525	327	..	-29	6,880	617
Hungary	2014	2,269	1,517	606	-1	3,181	324
	2015	2,169	1,578	430	-59	3,376	345
	2016	2,089	1,624	514	-27	3,226	331
	2017	1,833	1,798	376	44	3,211	330

Table 4

Production, trade and supply of coal
 Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Iceland	2014	..	124	..	..	124	377
	2015	..	133	..	..	133	402
	2016	..	141	..	..	141	425
	2017	..	142	..	..	142	424
Ireland	2014	1,387	1,736	14	258	2,852	609
	2015	1,088	2,116	18	62	3,124	665
	2016	970	1,649	14	-386	2,991	633
	2017	1,063	1,756	15	220	2,584	543
Italy	2014	78	18,777	338	-158	18,675	313
	2015	73	18,058	378	98	17,655	297
	2016	0	15,663	370	-396	15,689	264
	2017	0	13,705	338	36	13,331	224
Kosovo	2014	1,918	12	7	-14	1,936	1,063
	2015	2,194	10	12	-34	2,225	1,235
	2016	2,343	2	5	-71	2,411	1,328
	2017	2,017	4	4	-9	2,026	1,106
Latvia	2014	2	70	5	-18	85	42
	2015	0	58	2	-10	66	33
	2016	1	54	5	-8	59	30
	2017	1	56	5	-7	59	30
Lithuania	2014	40	294	8	10	316	107
	2015	30	223	4	-5	253	86
	2016	7	229	2	-23	257	88
	2017	10	271	2	5	274	95
Luxembourg	2014	..	76	..	..	76	136
	2015	..	70	..	..	70	124
	2016	..	75	..	..	75	131
	2017	..	65	..	..	65	111
Montenegro	2014	520	1	9	..	512	816
	2015	557	2	19	..	540	860
	2016	439	2	13	..	428	680
	2017	464	2	30	..	435	691
Netherlands	2014	..	13,389	590	313	12,486	739
	2015	..	14,906	204	-492	15,195	897
	2016	..	14,261	146	-62	14,178	835
	2017	..	13,446	238	91	13,117	770
North Macedonia	2014	1,407	166	0	11	1,562	752
	2015	1,252	121	1	16	1,357	653
	2016	1,065	161	0	-18	1,243	597
	2017	1,218	130	0	-35	1,382	663
Norway	2014	1,606	1,172	1,542	22	1,214	236
	2015	1,060	1,080	1,078	-110	1,173	226
	2016	784	1,047	874	-125	1,082	206
	2017	126	1,148	72	-9	1,211	228
Poland	2014	77,220	9,174	14,030	770	71,594	1,870
	2015	76,974	7,227	14,119	22	70,060	1,831
	2016	74,742	7,198	14,552	-3,943	71,331	1,866
	2017	71,156	11,258	12,405	-1,741	71,751	1,880
Portugal	2014	..	3,710	..	-119	3,829	366
	2015	..	4,583	..	-71	4,654	447
	2016	..	4,160	..	94	4,066	392
	2017	..	4,869	..	257	4,611	446

Table 4

Production, trade and supply of coal

Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Republic of Moldova	2014	..	124	..	-10	134	33
	2015	..	136	..	-4	140	34
	2016	..	81	..	-21	102	25
	2017	..	165	..	20	145	36
Romania	2014	6,356	1,386	15	-423	8,149	408
	2015	6,837	1,508	102	-234	8,478	427
	2016	6,051	1,481	1	-13	7,543	381
	2017	6,383	1,430	0	84	7,729	393
Russian Federation	2014	271,061	21,242	140,416	2,429	149,459	1,040
	2015	286,103	20,429	140,518	-2,349	168,364	1,170
	2016	*299,009	20,002	152,745	1,216	*165,049	*1,146
	2017	317,480	24,602	168,843	7,695	165,544	1,150
Serbia	2014	8,161	695	27	-94	8,923	1,263
	2015	10,287	899	11	95	11,080	1,572
	2016	10,287	913	20	-92	11,272	1,609
	2017	10,309	980	23	16	11,250	1,616
Slovakia	2014	828	4,171	87	2	4,909	904
	2015	708	4,032	60	-22	4,701	864
	2016	870	3,912	69	-140	4,853	891
	2017	638	4,312	67	49	4,834	887
Slovenia	2014	1,169	325	1	-6	1,498	723
	2015	1,232	291	0	-1	1,525	735
	2016	1,170	216	0	-7	1,393	670
	2017	1,334	282	..	-6	1,621	779
Spain	2014	2,326	13,600	960	-1,359	16,325	351
	2015	1,780	15,641	865	-2,319	18,876	407
	2016	1,052	11,558	428	-2,452	14,634	316
	2017	1,611	15,931	299	-693	17,937	387
Sweden	2014	192	2,873	30	30	3,004	310
	2015	157	2,868	78	-73	3,021	309
	2016	181	3,204	27	409	2,949	300
	2017	161	2,826	29	29	2,929	296
Switzerland	2014	..	157	..	-45	201	24
	2015	..	185	..	1	185	22
	2016	..	162	..	-1	163	19
	2017	..	156	..	-1	157	18
Ukraine	2014	46,225	14,820	6,926	2,006	52,113	1,161
	2015	24,914	14,199	616	-636	39,133	876
	2016	32,979	15,168	657	815	46,675	1,050
	2017	19,481	18,561	711	573	36,759	831
United Kingdom	2014	9,704	38,376	467	4,489	43,125	663
	2015	7,307	21,293	440	-5,903	34,063	521
	2016	3,573	9,070	401	-4,618	16,860	256
	2017	2,601	8,801	443	-2,699	13,658	206
Oceania	2014	411,107	1,147	347,300	2,144	62,810	1,612
	2015	429,308	1,281	363,194	2,544	64,852	1,640
	2016	419,525	1,521	360,162	-5,409	66,293	1,653
	2017	421,079	1,532	350,361	5,875	66,376	1,631
Australia	2014	407,766	180	345,530	2,278	60,138	2,562
	2015	426,544	238	361,805	2,784	62,194	2,613
	2016	417,194	233	358,940	-5,247	63,733	2,642
	2017	418,719	270	349,176	6,128	63,685	2,605

Table 4

Production, trade and supply of coal
 Thousand metric tons of coal equivalent and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
New Caledonia	2014	..	629	..	-44	673	2,535
	2015	..	729	..	20	708	2,632
	2016	..	960	..	45	914	3,353
	2017	..	927	..	-105	1,033	3,738
New Zealand	2014	3,342	338	1,770	-90	1,999	438
	2015	2,765	314	1,389	-260	1,950	422
	2016	2,331	328	1,222	-208	1,645	353
	2017	2,361	335	1,185	-148	1,658	352

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Table Notes

Production includes production from other sources as defined in the previous table.

Data for China include brown coal.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 12: Production of hard coal by region, 1990-2017

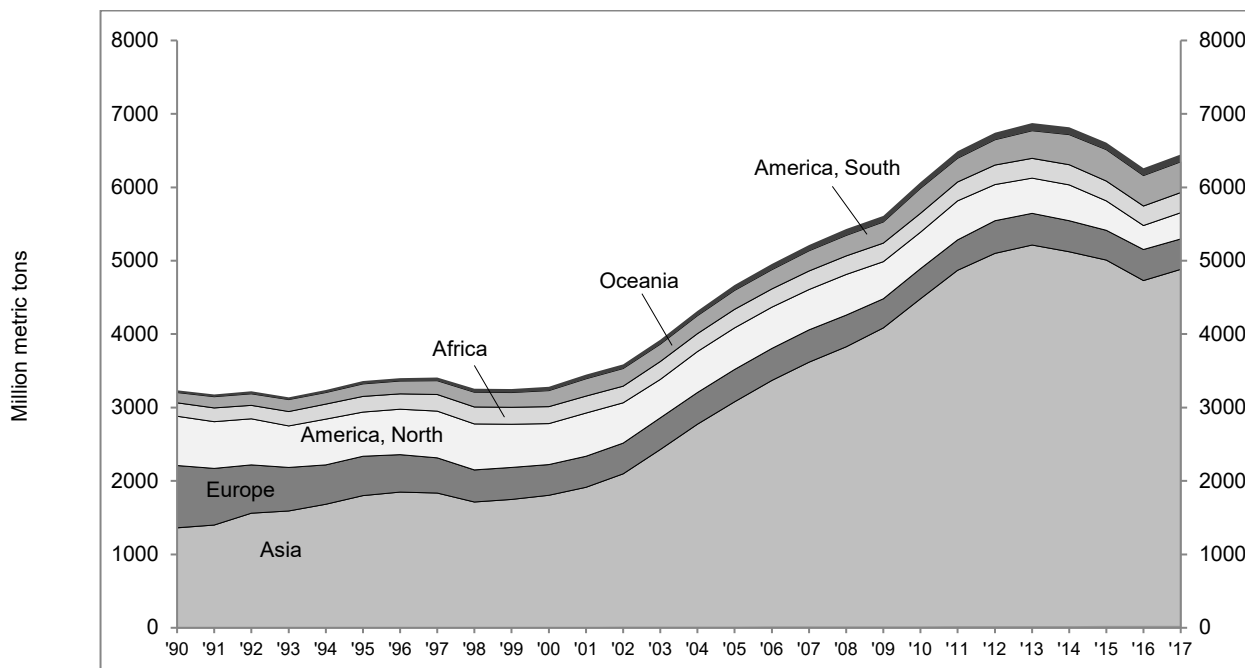


Figure 13: Major hard coal producing countries, 2017

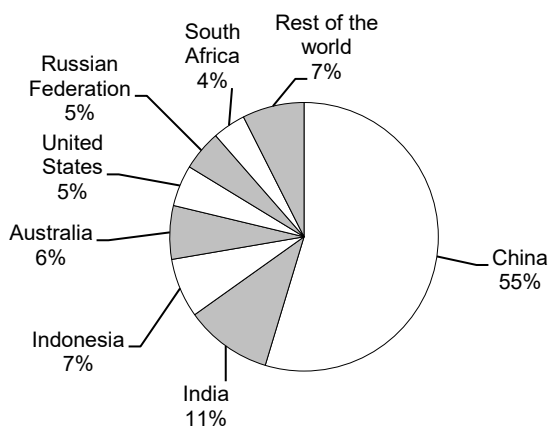


Figure 14: Major hard coal consuming countries, 2017

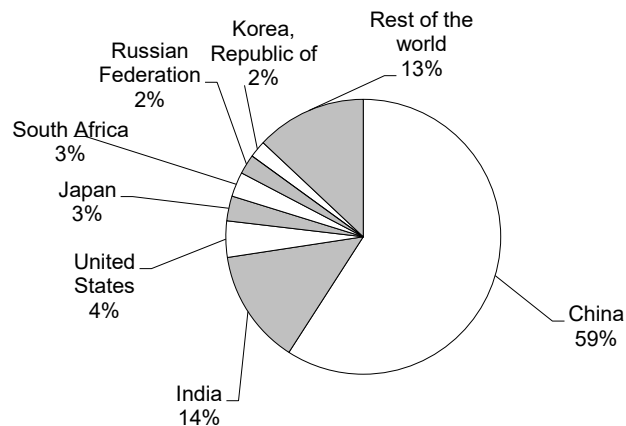


Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	6,818,389	1,305,885	1,313,137	52,614	6,758,524	927
	2015	6,607,997	1,203,833	1,247,791	-14,354	6,578,393	892
	2016	6,259,287	1,221,036	1,269,023	-183,534	6,394,835	857
	2017	6,445,444	1,287,683	1,334,605	-46,476	6,444,998	854
Africa	2014	275,289	11,217	74,042	3,946	208,518	180
	2015	269,299	10,717	80,975	2,796	196,245	165
	2016	265,317	11,434	78,157	-3,478	202,072	166
	2017	275,587	12,506	83,263	772	204,058	163
Algeria	2014	..	20	..	-1	21	1
	2015	..	0	..	-11	11	0
	2016	..	0	..	0	0	0
	2017	..	0	..	-5	5	0
Benin	2014	..	70	..	..	70	7
	2015	..	41	..	..	41	4
	2016	..	120	..	..	120	11
	2017	..	127	..	..	127	11
Botswana	2014	1,712	..	194	-281	1,799	830
	2015	2,085	..	242	*486	1,357	614
	2016	1,874	..	205	*-3	1,672	743
	2017	2,220	..	229	..	1,991	869
Egypt	2014	0	436	..	..	436	5
	2015	..	341	..	..	341	4
	2016	..	387	..	..	387	4
	2017	..	598	..	..	598	6
Eswatini	2014	133	21	133	..	21	19
	2015	*87	51	*87	..	*51	*46
	2016	*97	82	*97	*-11	*93	*83
	2017	182	6	182	*-55	61	54
Ethiopia	2014	..	405	..	..	405	4
	2015	..	411	..	..	411	4
	2016	..	526	..	..	526	5
	2017	..	580	..	..	580	6
Kenya	2014	..	*470	..	..	*470	*10
	2015	..	498	..	..	498	11
	2016	..	491	..	..	491	10
	2017	..	463	..	..	463	9
Lesotho	2014	..	*700	..	..	*700	*326
	2015	..	*644	..	..	*644	*296
	2016	..	*644	..	..	*644	*292
	2017	..	*644	..	..	*644	*288
Madagascar	2014	..	384	..	..	384	16
	2015	..	*396	..	..	*396	*16
	2016	..	386	..	..	386	16
	2017	..	549	..	..	549	21
Malawi	2014	64	20	*8	..	75	4
	2015	59	34	8	..	85	5
	2016	43	*46	8	..	81	4
	2017	*48	*41	*8	..	*81	*4
Mauritius	2014	..	772	..	29	743	591
	2015	..	804	..	83	721	572
	2016	..	926	..	191	734	582
	2017	..	1,431	..	671	760	601

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Morocco	2014	..	6,518	..	402	6,116	176
	2015	..	6,460	..	-275	6,735	191
	2016	..	6,724	..	234	6,490	181
	2017	..	6,809	..	63	6,746	186
Mozambique	2014	6,332	..	4,679	1,315	338	12
	2015	6,600	..	4,809	*1,617	175	6
	2016	5,462	..	7,903	*-2,462	21	1
	2017	11,777	..	11,777	-37	37	1
Namibia	2014	..	*33	..	..	*33	*14
	2015	..	4	..	..	4	2
	2016	..	34	..	..	34	14
	2017	..	42	..	..	42	17
Niger	2014	256	..	..	-12	268	14
	2015	221	..	..	-4	225	11
	2016	247	..	..	0	247	12
	2017	224	..	..	0	224	10
Nigeria	2014	46	..	..	..	46	0
	2015	47	..	..	..	47	0
	2016	46	..	..	..	46	0
	2017	46	..	..	..	46	0
Senegal	2014	..	469	..	..	469	32
	2015	..	490	..	..	490	33
	2016	..	514	..	..	514	33
	2017	..	613	..	..	613	39
South Africa	2014	260,540	853	69,029	..	192,364	3,527
	2015	255,425	519	75,830	..	180,114	3,258
	2016	255,309	530	69,944	..	185,895	3,319
	2017	256,801	578	71,067	..	186,312	3,285
United Rep. of Tanzania	2014	246	..	..	..	246	5
	2015	257	..	..	..	257	5
	2016	276	..	..	..	276	5
	2017	563	..	..	..	563	10
Zambia	2014	159	0	0	..	159	10
	2015	159	..	..	..	159	10
	2016	328	..	..	..	328	20
	2017	797	..	..	..	797	47
Zimbabwe	2014	5,803	46	0	2,493	3,355	247
	2015	4,360	24	0	900	3,484	252
	2016	1,636	24	0	-1,427	3,087	220
	2017	2,929	25	0	135	2,819	198
America, North	2014	485,307	26,174	116,554	7,654	387,272	685
	2015	401,196	25,014	92,122	6,774	327,314	573
	2016	327,054	22,051	82,016	-26,209	293,298	509
	2017	356,345	23,212	111,052	-11,448	279,953	482
Bermuda	2014	..	0	..	..	0	0
	2015	..	0	..	..	0	4
	2016	..	0	..	..	0	8
	2017	..	0	..	..	0	4
Canada	2014	35,500	6,124	34,208	-1,526	8,942	251
	2015	29,826	6,050	30,370	-1,020	6,526	182
	2016	27,761	5,047	30,231	-2,938	5,515	152
	2017	31,508	6,075	30,927	281	6,375	174

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Costa Rica	2014	..	10	..	..	10	2
	2015	..	1	..	..	1	0
	2016	..	1	..	..	1	0
	2017	..	7	..	..	7	1
Cuba	2014	..	1	..	..	1	0
	2015	..	7	..	..	7	1
	2016	..	2	..	..	2	0
	2017	..	4	..	..	4	0
Dominican Republic	2014	..	1,166	..	-38	1,203	116
	2015	..	1,115	..	26	1,089	103
	2016	..	1,122	..	39	1,084	102
	2017	..	1,255	..	-5	1,260	117
Guatemala	2014	..	1,254	..	310	944	59
	2015	..	1,967	..	614	1,353	83
	2016	..	1,802	..	213	1,589	96
	2017	..	1,633	..	137	1,496	88
Honduras	2014	..	132	..	..	132	15
	2015	..	113	..	..	113	13
	2016	..	164	..	..	164	18
	2017	..	289	..	..	289	31
Jamaica	2014	..	94	..	-10	105	37
	2015	..	108	..	7	101	35
	2016	..	98	..	1	98	34
	2017	..	96	..	14	82	28
Mexico	2014	1,952	7,518	4	-20	9,486	76
	2015	3,186	7,245	3	-67	10,495	83
	2016	4,437	6,656	2	3	11,088	87
	2017	4,605	8,178	3	-915	13,695	106
Panama	2014	..	352	..	..	352	90
	2015	..	354	..	..	354	89
	2016	..	313	..	..	313	78
	2017	..	87	..	..	87	21
United States	2014	447,855	9,523	82,342	8,938	366,098	1,152
	2015	368,184	8,055	61,749	7,215	307,275	960
	2016	294,856	6,845	51,783	-23,527	273,445	849
	2017	320,232	5,588	80,122	-10,959	256,657	791
America, South	2014	102,166	32,432	84,608	179	49,811	121
	2015	96,161	32,550	74,542	2,047	52,122	125
	2016	101,085	33,282	84,949	-1,340	50,758	121
	2017	98,886	34,789	104,554	-20,938	50,059	118
Argentina	2014	57	2,033	12	-92	2,170	50
	2015	34	1,988	12	-98	2,108	49
	2016	24	1,602	9	-16	1,633	37
	2017	20	1,510	0	-131	1,661	38
Brazil	2014	7,936	20,351	0	460	27,827	136
	2015	6,354	20,273	0	-679	27,306	133
	2016	7,006	19,503	0	860	25,649	124
	2017	4,819	21,207	..	162	25,864	124
Chile	2014	4,164	9,538	2,223	417	11,062	628
	2015	3,143	9,894	844	0	12,193	686
	2016	2,525	11,585	870	281	12,959	724
	2017	2,425	11,595	914	-131	13,237	733

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Colombia	2014	88,578	..	81,190	..	7,388	155
	2015	85,548	..	72,790	3,571	9,187	190
	2016	90,512	..	83,325	-2,019	9,206	189
	2017	90,549	..	102,689	-20,252	8,112	165
Paraguay	2014	..	0	..	..	0	0
	2015	..	4	..	..	4	1
	2016	..	2	..	..	2	0
	2017	..	1	..	..	1	0
Peru	2014	231	507	253	-606	1,091	35
	2015	252	388	253	-747	1,134	36
	2016	269	585	165	-446	1,135	36
	2017	301	471	353	-586	1,005	31
Uruguay	2014	..	3	..	..	3	1
	2015	..	3	..	..	3	1
	2016	..	5	..	..	5	2
	2017	..	5	..	..	5	1
Venezuela (Bolivar. Rep.)	2014	1,200	..	930	..	270	9
	2015	830	..	643	..	187	6
	2016	749	..	580	..	169	5
	2017	772	..	598	..	174	5
Asia	2014	5,120,384	982,726	483,471	27,202	5,592,438	1,278
	2015	5,007,726	904,908	437,428	-13,031	5,488,237	1,242
	2016	4,730,454	943,714	452,221	-131,885	5,353,833	1,199
	2017	4,880,780	993,724	463,165	-26,780	5,438,120	1,207
Afghanistan	2014	1,517	..	252	..	1,265	39
	2015	1,365	..	425	..	940	28
	2016	1,698	..	733	..	965	28
	2017	2,191	..	1,014	..	1,177	33
Armenia	2014	..	1	..	..	1	0
	2015	..	1	..	..	1	0
	2016	..	2	..	..	2	1
	2017	..	2	..	..	2	1
Azerbaijan	2014	..	2	..	-1	3	0
	2015	..	1	..	-4	5	1
	2016	..	1	..	-1	2	0
	2017	..	2	..	0	2	0
Bangladesh	2014	947	988	..	83	1,852	12
	2015	676	3,651	..	-197	4,524	28
	2016	1,022	2,184	..	..	3,206	20
	2017	1,161	2,614	..	..	3,775	23
Bhutan	2014	122	..	27	..	95	123
	2015	85	..	5	..	80	101
	2016	118	..	0	..	118	148
	2017	162	..	19	..	143	177
China	2014	3,873,919	291,220	5,742	41,062	4,118,335	2,963
	2015	3,746,542	204,065	5,338	-25,469	3,970,738	2,842
	2016	3,410,604	255,553	8,790	-127,576	3,784,943	2,697
	2017	3,523,562	270,933	8,088	-34,531	3,820,938	2,711
China, Hong Kong SAR	2014	..	13,789	0	865	12,924	1,796
	2015	..	11,184	0	555	10,629	1,467
	2016	..	11,161	0	531	10,630	1,456
	2017	..	10,503	..	545	9,958	1,352

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Cyprus	2014	..	5	..	1	4	3
	2015	..	6	..	0	6	5
	2016	..	0	..	0	0	0
	2017	..	17	..	11	6	5
Georgia	2014	..	131	0	1	131	33
	2015	..	121	0	-12	133	34
	2016	..	104	0	9	95	24
	2017	..	162	0	18	144	37
India	2014	609,180	212,103	1,238	-4,269	824,314	637
	2015	639,230	203,949	1,250	5,404	836,525	639
	2016	657,868	190,953	1,773	-11,924	858,972	649
	2017	675,400	208,273	1,503	-15,905	898,075	671
Indonesia	2014	435,743	2,273	410,083	-10,695	38,628	151
	2015	427,280	2,813	366,970	-2,069	65,192	253
	2016	456,000	3,564	369,576	-456	90,444	346
	2017	461,000	4,352	389,538	355	75,459	286
Iran (Islamic Rep. of)	2014	1,075	140	205	..	1,010	13
	2015	1,206	397	183	..	1,420	18
	2016	1,115	334	103	..	1,346	17
	2017	1,521	362	68	..	1,815	22
Israel	2014	..	11,017	..	-100	11,117	1,400
	2015	..	11,042	..	6	11,036	1,368
	2016	..	8,795	..	-390	9,185	1,121
	2017	..	8,516	..	237	8,279	995
Japan	2014	1,318	185,985	1	..	187,302	1,461
	2015	1,265	189,239	2	..	190,502	1,489
	2016	1,288	185,891	2	..	187,177	1,465
	2017	1,328	186,955	3	..	188,280	1,477
Jordan	2014	..	474	..	..	474	54
	2015	..	262	..	..	262	29
	2016	..	326	..	..	326	34
	2017	..	196	..	..	196	20
Kazakhstan	2014	100,914	15	28,471	61	72,397	4,140
	2015	93,072	14	27,674	465	64,947	3,659
	2016	92,840	24	23,789	1,974	67,100	3,730
	2017	101,796	4	26,986	2,053	72,761	3,997
Korea, Dem.Ppl's.Rep.	2014	23,349	113	15,610	..	7,852	313
	2015	24,960	953	19,863	..	6,050	240
	2016	28,305	1,240	22,586	..	6,959	274
	2017	19,739	706	*4,906	*10,262	5,277	207
Korea, Republic of	2014	1,748	126,167	..	-2,151	130,066	2,581
	2015	1,764	127,080	..	1,778	127,066	2,512
	2016	1,726	127,892	..	1,277	128,341	2,527
	2017	1,486	129,113	..	-300	130,899	2,568
Kyrgyzstan	2014	298	1,276	236	-57	1,395	242
	2015	345	1,371	227	-26	1,515	258
	2016	248	794	250	-119	911	153
	2017	247	926	208	44	921	152
Lao People's Dem. Rep.	2014	257	..	54	..	203	31
	2015	136	..	0	..	136	20
	2016	139	..	0	..	139	21
	2017	133	..	0	..	133	19

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Lebanon	2014	..	250	..	..	250	40
	2015	..	*250	..	..	*250	*38
	2016	..	*250	..	..	*250	*37
	2017	..	*250	..	..	*250	*37
Malaysia	2014	2,687	21,738	181	25	24,219	801
	2015	2,559	25,461	248	15	27,757	903
	2016	2,415	27,237	24	-388	30,016	962
	2017	2,989	30,426	607	-91	32,899	1,040
Mongolia	2014	19,215	1	13,986	-1,705	6,935	2,372
	2015	18,451	1	13,303	530	4,618	1,551
	2016	28,851	1	23,680	-54	5,225	1,726
	2017	41,362	2	28,553	4,416	8,395	2,730
Myanmar	2014	533	0	20	..	513	10
	2015	420	0	20	..	400	8
	2016	550	0	16	..	534	10
	2017	737	0	0	..	737	14
Nepal	2014	14	794	..	..	808	29
	2015	19	910	..	..	929	32
	2016	21	1,128	..	..	1,149	40
	2017	23	1,295	..	..	1,318	45
Other Asia	2014	..	52,534	..	-578	53,112	2,268
	2015	..	53,330	..	829	52,501	2,235
	2016	..	53,095	1	-1,137	54,231	2,302
	2017	..	55,287	1	349	54,937	2,325
Pakistan	2014	3,712	5,004	..	..	8,716	47
	2015	4,142	4,885	..	..	9,027	48
	2016	4,165	7,021	..	..	11,186	58
	2017	4,470	13,684	..	..	18,154	92
Singapore	2014	..	642	12	..	630	116
	2015	..	659	0	..	659	119
	2016	..	692	1	..	691	123
	2017	..	1,458	1	*680	778	136
Sri Lanka	2014	..	1,607	..	145	1,461	71
	2015	..	1,882	..	*-85	1,967	95
	2016	..	2,405	..	323	2,082	100
	2017	..	2,527	..	*370	2,157	103
Tajikistan	2014	822	12	1	..	833	100
	2015	985	13	0	..	998	117
	2016	1,275	10	0	..	1,285	147
	2017	1,707	6	5	..	1,708	191
Thailand	2014	..	21,243	23	3,733	17,487	256
	2015	..	23,964	21	3,512	20,431	298
	2016	..	22,581	34	4,972	17,575	255
	2017	..	23,262	45	3,805	19,412	281
Turkey	2014	1,821	29,816	64	121	31,452	408
	2015	1,435	33,979	151	444	34,819	445
	2016	1,313	36,216	61	444	37,024	466
	2017	1,234	38,252	100	506	38,880	482
United Arab Emirates	2014	..	2,939	0	..	2,939	324
	2015	..	2,578	0	..	2,578	282
	2016	..	2,782	0	..	2,782	300
	2017	..	3,213	..	..	3,213	342

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Uzbekistan	2014	107	218	0	1	325	11
	2015	127	142	0	0	268	9
	2016	160	206	0	-37	403	13
	2017	124	203	0	-15	342	11
Viet Nam	2014	41,086	42	*7,265	660	33,203	359
	2015	41,664	551	*1,748	1,293	39,174	419
	2016	38,735	1,139	802	667	38,405	406
	2017	38,409	97	1,521	411	36,574	383
Yemen	2014	..	187	..	..	187	7
	2015	..	156	..	..	156	6
	2016	..	135	..	..	135	5
	2017	..	127	..	..	127	4
Europe	2014	426,296	252,487	177,699	11,187	489,897	660
	2015	407,902	229,667	169,050	-15,963	484,483	652
	2016	420,971	209,370	181,192	-14,873	464,021	624
	2017	416,919	222,229	192,491	5,398	441,258	593
Albania	2014	..	133	..	..	133	46
	2015	99	102	..	..	201	69
	2016	6	81	..	..	87	30
	2017	139	80	..	..	219	75
Andorra	2014	..	0	..	..	0	*1
	2015	..	0	..	..	0	*1
	2016	..	0	..	..	0	*2
	2017	..	0	..	..	0	*2
Austria	2014	..	3,156	0	53	3,103	359
	2015	..	3,028	11	-597	3,614	416
	2016	..	3,332	0	-119	3,451	396
	2017	..	3,581	1	210	3,370	386
Belarus	2014	..	781	5	32	744	78
	2015	..	675	41	-46	680	72
	2016	..	724	36	70	618	65
	2017	..	762	167	-49	644	68
Belgium	2014	19	5,229	557	187	4,504	401
	2015	15	4,088	79	-156	4,180	370
	2016	14	3,536	66	-221	3,705	326
	2017	16	3,442	88	-202	3,572	313
Bosnia and Herzegovina	2014	..	1,408	6	63	1,339	375
	2015	..	1,359	36	49	1,274	360
	2016	..	1,302	0	64	1,238	352
	2017	..	1,361	0	91	1,270	362
Bulgaria	2014	35	1,369	0	-444	1,848	256
	2015	51	1,061	0	-3	1,115	155
	2016	52	762	0	-87	901	126
	2017	41	898	0	15	924	130
Croatia	2014	..	948	..	-80	1,028	241
	2015	..	974	..	23	951	225
	2016	..	1,045	..	25	1,020	242
	2017	..	589	..	5	584	139
Czechia	2014	8,900	3,428	4,364	298	7,666	723
	2015	8,426	3,145	3,565	125	7,881	743
	2016	7,015	3,565	3,516	-824	7,888	743
	2017	5,601	3,844	2,414	-108	7,139	672

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Denmark	2014	..	4,533	52	210	4,271	754
	2015	..	2,757	92	-471	3,136	551
	2016	..	2,886	21	-522	3,387	593
	2017	..	3,074	..	423	2,651	462
Estonia	2014	..	82	0	4	78	59
	2015	..	7	0	-22	29	22
	2016	..	23	..	-4	27	21
	2017	..	45	..	-3	48	37
Finland	2014	..	5,467	..	881	4,586	840
	2015	..	3,601	..	-451	4,052	739
	2016	..	4,012	..	-872	4,884	887
	2017	..	3,966	..	-445	4,411	799
France	2014	300	13,965	0	21	14,244	214
	2015	0	13,318	0	-426	13,744	206
	2016	0	12,566	0	-1,036	13,602	203
	2017	..	14,911	..	96	14,815	220
Germany	2014	8,337	53,740	208	139	61,730	758
	2015	6,649	54,528	179	-551	61,549	753
	2016	4,078	57,757	278	1,067	60,490	738
	2017	3,836	50,486	222	552	53,548	652
Greece	2014	..	310	9	27	274	24
	2015	..	257	..	-24	281	25
	2016	..	312	..	-21	333	30
	2017	..	411	..	35	376	34
Hungary	2014	..	1,361	..	20	1,341	137
	2015	..	1,373	..	-10	1,383	141
	2016	..	1,384	..	-17	1,401	144
	2017	..	1,545	..	27	1,518	156
Iceland	2014	..	100	..	..	100	304
	2015	..	116	..	..	116	351
	2016	..	124	..	..	124	373
	2017	..	127	..	..	127	379
Ireland	2014	..	1,974	13	-40	2,001	427
	2015	..	2,394	13	67	2,314	492
	2016	..	1,912	10	-338	2,240	474
	2017	..	1,986	12	186	1,788	375
Italy	2014	86	19,453	1	-90	19,628	329
	2015	81	19,186	82	174	19,011	319
	2016	0	16,577	0	-337	16,914	284
	2017	0	15,226	0	40	15,186	256
Kosovo	2014	..	15	1	..	14	8
	2015	..	12	0	..	12	7
	2016	..	2	0	..	2	1
	2017	..	2	..	..	2	1
Latvia	2014	..	85	6	-23	102	51
	2015	..	71	2	-12	81	41
	2016	..	67	6	-10	71	36
	2017	..	68	6	-8	70	36
Lithuania	2014	..	300	0	-7	307	104
	2015	..	227	0	-25	252	86
	2016	..	225	0	-21	246	85
	2017	..	272	..	23	249	86

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Luxembourg	2014	..	85	..	..	85	153
	2015	..	73	..	..	73	129
	2016	..	81	..	..	81	141
	2017	..	68	..	..	68	117
Netherlands	2014	..	15,036	..	426	14,610	865
	2015	..	17,384	..	-593	17,977	1,061
	2016	..	16,350	..	-128	16,478	970
	2017	..	14,870	..	189	14,681	862
North Macedonia	2014	..	6	0	0	6	3
	2015	..	15	0	3	12	6
	2016	..	27	0	-3	29	14
	2017	..	33	0	0	33	16
Norway	2014	1,675	761	1,608	25	803	156
	2015	1,106	693	1,124	-113	788	152
	2016	818	660	912	-146	712	135
	2017	131	781	75	5	832	157
Poland	2014	73,271	10,417	8,956	1,173	73,559	1,921
	2015	72,686	8,289	9,191	-137	71,921	1,880
	2016	70,783	8,299	9,096	-4,732	74,718	1,955
	2017	65,975	12,855	7,089	-2,043	73,784	1,933
Portugal	2014	..	4,379	..	-141	4,520	432
	2015	..	5,420	..	-84	5,504	528
	2016	..	4,911	..	110	4,801	463
	2017	..	5,712	..	304	5,408	524
Republic of Moldova	2014	..	148	..	-12	160	39
	2015	..	166	..	-5	171	42
	2016	..	99	..	-26	125	31
	2017	..	200	..	24	176	43
Romania	2014	..	153	5	-13	161	8
	2015	..	124	0	-4	128	6
	2016	..	157	0	21	136	7
	2017	..	194	0	4	190	10
Russian Federation	2014	264,042	23,571	153,163	2,390	132,060	919
	2015	278,033	22,609	152,667	-2,193	150,168	1,044
	2016	*293,095	21,724	165,834	698	*148,287	*1,030
	2017	312,811	26,722	181,022	9,643	148,868	1,034
Serbia	2014	..	160	0	-8	168	24
	2015	..	219	1	12	206	29
	2016	..	179	0	-10	189	27
	2017	..	151	..	1	150	22
Slovakia	2014	..	3,784	..	-64	3,848	708
	2015	..	3,663	..	-102	3,765	692
	2016	..	3,557	..	-109	3,666	673
	2017	..	3,808	..	4	3,804	698
Slovenia	2014	..	22	1	14	7	3
	2015	..	15	0	3	12	6
	2016	..	13	0	2	11	5
	2017	..	11	..	..	11	5
Spain	2014	2,669	16,394	1,284	-1,436	19,215	413
	2015	1,747	18,735	1,088	-2,743	22,137	477
	2016	1,070	13,830	453	-3,365	17,812	384
	2017	1,161	19,089	264	-1,235	21,221	458

Table 5

Production, trade and supply of hard coal

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Sweden	2014	..	2,774	1	101	2,672	276
	2015	..	2,791	0	-11	2,802	287
	2016	..	3,100	0	427	2,673	272
	2017	..	2,731	..	130	2,601	262
Switzerland	2014	..	39	..	-54	93	11
	2015	..	76	..	-1	77	9
	2016	..	47	..	-4	51	6
	2017	..	52	..	-2	54	6
Ukraine	2014	55,315	14,695	7,034	2,404	60,572	1,350
	2015	30,411	14,598	494	-770	45,285	1,014
	2016	39,862	15,648	520	1,142	53,848	1,212
	2017	24,167	19,778	636	645	42,664	965
United Kingdom	2014	11,647	42,225	425	5,131	48,316	743
	2015	8,598	22,518	385	-6,869	37,600	575
	2016	4,178	8,494	444	-5,547	17,775	270
	2017	3,041	8,497	495	-3,159	14,202	215
Oceania	2014	408,947	850	376,763	2,446	30,588	785
	2015	425,712	977	393,674	3,023	29,992	759
	2016	414,405	1,186	390,488	-5,749	30,852	769
	2017	416,927	1,222	380,080	6,521	31,549	775
Australia	2014	407,007	111	375,044	2,444	29,630	1,262
	2015	424,313	125	392,348	3,026	29,064	1,221
	2016	413,200	30	389,301	-5,713	29,642	1,229
	2017	415,715	103	378,938	6,664	30,216	1,236
New Caledonia	2014	..	709	..	-50	759	2,858
	2015	..	821	..	23	798	2,967
	2016	..	1,082	..	51	1,031	3,780
	2017	..	1,045	..	-119	1,164	4,213
New Zealand	2014	1,940	30	1,719	52	199	44
	2015	1,399	31	1,326	-26	130	28
	2016	1,205	74	1,187	-87	179	38
	2017	1,212	74	1,142	-25	169	36

Table 6

International trade of hard coal
(Principal importers/exporters)

Thousand metric tons

2016

Importers	Exporters					
	World	Australia	Canada	Colombia	Indonesia	Kazakhstan
Austria	3,332	416	..	..	..	..
Belgium	3,536	1,276	..	..	..	..
Brazil	19,503	6,418	901	*3,330	0	77
Canada	5,047	..	..	842	..	..
Chile	11,585	3,422	638	4,796	..	..
China	255,553	67,975	5,126	..	39,058	10
China, Hong Kong SAR	11,161	539	..	..	9,634	..
Denmark	2,886	..	..	411	..	..
Finland	4,012	176	518	3	..	233
France	12,566	4,736	0	1,628	1	..
Germany	55,086	10,157	2,333	8,054	149	..
India	190,953	49,590	2,697	1,500	93,153	..
Israel	8,795	..	..	4,546	..	..
Italy	16,577	717	300	4,406	1,005	632
Japan	185,891	121,118	7,749	576	31,311	30
Korea, Republic of	127,892	51,226	6,544	2,468	31,156	..
Malaysia	27,237	6,599	..	..	15,385	..
Mexico	6,656	3,397	..	1,934	..	..
Morocco	6,724	..	..	220	..	..
Netherlands	16,350	2,180	..	4,656	37	75
Pakistan	7,021	..	..	108	1,149	..
Poland	8,299	1,688	0	646	..	6
Portugal	4,911	..	..	4,520	..	..
Russian Federation	21,724	..	..	50	..	18,755
Slovakia	3,557	69	289	..	..	..
Spain	13,830	1,361	1	4,047	3,997	..
Thailand	22,581	3,875	..	164	16,577	..
Turkey	36,216	2,282	1,344	15,447	56	44
Ukraine	15,648	570	878	..	..	551
United Kingdom	8,494	778	0	2,667	..	589
United States	6,845	111	883	5,242	480	..

**International trade of hard coal
(Principal importers/exporters)**

Thousand metric tons

2016

Exporters					
Mongolia	Poland	Russian Federation	South Africa	United States	Viet Nam
..	1,084	273	..	468	..
..	..	1,330	166	593	..
..	..	1,152	668	6,292	..
..	..	101	..	4,102	..
..	..	137	..	2,544	..
*23,680	..	18,573	..	887	15
..	..	944	..	..	..
..	132	1,858	187	114	..
..	42	2,517	..	486	..
..	176	2,730	1,680	1,274	9
..	2,453	16,292	1,445	9,078	..
..	..	3,199	35,375	5,014	34
..	..	2,492	1,003	..	..
..	..	4,402	3,196	1,637	..
..	..	17,780	70	4,013	527
..	..	25,261	2,343	3,766	60
..	..	2,325	979	..	27
..	..	186	..	1,115	..
..	382	2,787	2,436	880	..
..	3	4,568	598	2,765	..
..	..	15	3,224	..	..
..	..	5,195	..	168	..
..	..	..	307	81	..
..
..	580	873	..	70	..
..	18	2,448	315	1,149	..
..	..	668	..	..	60
..	196	12,429	2,317	1,216	..
..	538	10,438	771	1,868	..
..	85	2,293	98	1,420	..
..	..	60	26	..	32

Table 6

International trade of hard coal
(Principal importers/exporters)

Thousand metric tons

2017

Importers	Exporters					
	World	Australia	Canada	Colombia	Indonesia	Kazakhstan
Austria	3,581	410	..	..	..	..
Belgium	3,442	1,265	..	29	..	..
Brazil	21,207	6,322	742	5,188	68	..
Canada	6,075	..	..	985	..	..
Chile	11,595	2,310	188	7,421	..	..
China	270,933	79,913	4,748	..	35,278	..
China, Hong Kong SAR	10,503	304	..	..	8,236	..
Denmark	3,074	..	..	483	..	..
Finland	3,966	..	668	..	..	126
France	14,911	3,992	192	2,037	..	..
Germany	50,486	5,635	1,481	6,173	1	31
India	208,273	43,892	3,085	331	93,931	..
Israel	8,516	..	..	3,922	..	..
Italy	15,226	357	303	3,336	871	706
Japan	186,955	117,709	7,705	2,105	32,158	151
Korea, Republic of	129,113	48,413	9,268	2,587	31,123	..
Malaysia	30,426	6,620	..	..	*20,190	..
Mexico	8,178	..	192	6,514	..	..
Morocco	6,809	..	..	32	..	..
Netherlands	14,870	2,151	176	2,210	202	53
Pakistan	13,684	51	..	..	1,418	..
Poland	12,855	1,731	270	702	..	94
Portugal	5,712	..	..	4,510	..	..
Russian Federation	26,722	..	..	40	..	19,891
Slovakia	3,808	..	168	30	..	..
Spain	19,089	1,021	194	4,570	4,257	..
Thailand	23,262	3,457	..	161	16,162	..
Turkey	38,252	1,087	486	17,337	160	..
Ukraine	19,778	403	*200	..	77	409
United Kingdom	8,497	749	36	731	..	103
United States	5,588	1	712	4,212	578	..

International trade of hard coal (Principal importers/exporters)

Thousand metric tons

2017

Exporters					
Mongolia	Poland	Russian Federation	South Africa	United States	Viet Nam
..	1,603	224	..	523	..
..	..	1,197	76	701	..
..	..	1,190	835	6,856	..
..	..	147	..	4,931	..
..	..	75	..	1,599	..
*28,486	..	25,307	..	2,780	255
..	..	1,520	..	..	..
..	5	1,779	610	169	..
..	59	2,603	..	476	..
..	8	4,017	1,617	2,469	..
..	1,240	19,007	1,627	9,060	..
..	..	3,916	34,904	10,323	96
..	..	3,003	1,166	..	..
..	..	5,509	1,123	2,908	..
67	..	18,436	72	5,580	770
..	..	24,322	5,474	4,240	124
..	..	2,705	585	..	16
..	..	1	..	1,446	..
..	..	3,504	765	2,223	..
..	0	5,013	814	2,896	5
..	..	321	7,240	119	..
..	..	8,611	..	768	..
..	..	297	163	740	..
..
..	710	1,182	..	337	..
..	9	4,969	1,432	1,768	..
..	..	1,363	79	123	146
..	73	14,390	2,219	1,911	..
..	651	13,251	714	4,049	..
..	28	3,884	50	2,352	..
..	..	31	34	..	..

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Table Notes

Data refer to brown coal and oil shale.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 15: Production of brown coal and oil shale by region, 1990-2017

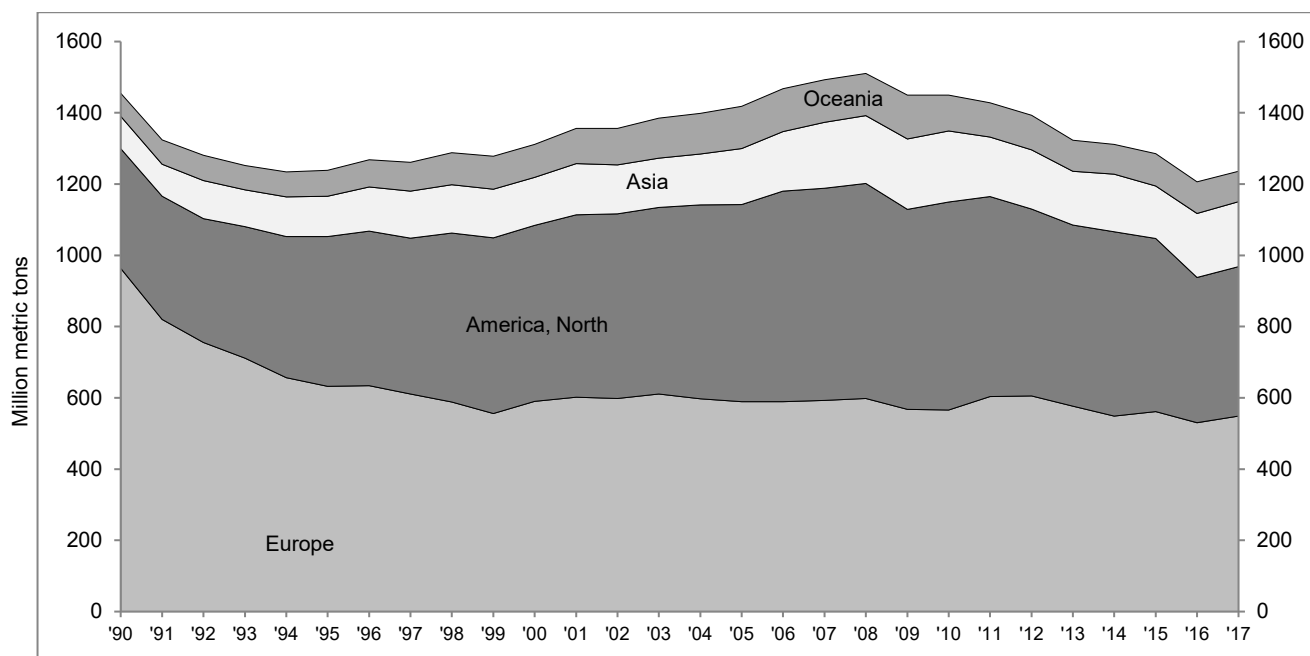


Figure 16: Major brown coal producing countries, 2017

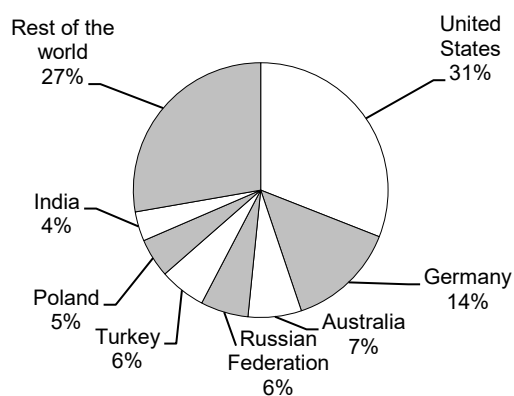


Figure 17: Major brown coal consuming countries, 2017

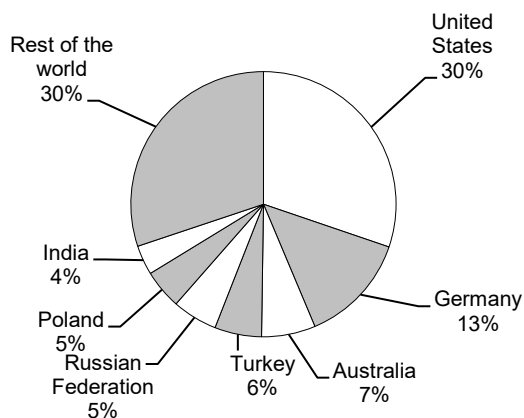


Table 7

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	1,311,630	44,409	20,547	-13,618	1,349,110	185
	2015	1,285,096	49,002	17,636	34,032	1,282,431	174
	2016	1,206,461	52,898	19,524	-15,638	1,255,473	168
	2017	1,235,694	58,371	27,449	-7,731	1,274,347	169
Africa	2014	84	32	..	..	115	0
	2015	55	35	..	..	90	0
	2016	62	35	..	..	97	0
	2017	..	..	..	..	..	..
Eswatini	2014	84	32	..	..	115	105
	2015	*55	*35	..	..	*90	*82
	2016	*62	*35	..	..	*97	*87
	2017	..	..	..	..	..	..
America, North	2014	517,313	2,472	5,987	-3,901	517,699	915
	2015	485,556	4,194	5,458	31,145	453,147	794
	2016	407,604	4,986	2,992	-15,558	425,156	738
	2017	419,012	5,034	7,966	-5,678	421,758	726
Canada	2014	33,536	1,695	100	3,388	31,743	892
	2015	32,559	1,518	114	994	32,969	917
	2016	33,570	1,272	99	3,144	31,599	871
	2017	29,358	1,389	133	518	30,096	822
Mexico	2014	13,435	3	..	430	13,008	105
	2015	7,491	462	..	-706	8,659	69
	2016	8,130	1,624	..	450	9,304	73
	2017	7,171	2,178	..	2,874	6,475	50
United States	2014	470,342	774	5,887	-7,719	472,948	1,489
	2015	445,506	2,214	5,344	30,857	411,519	1,286
	2016	365,904	2,090	2,893	-19,152	384,253	1,193
	2017	382,483	1,467	7,833	-9,070	385,187	1,187
Asia	2014	161,531	34,563	8,834	-6,697	193,957	44
	2015	147,601	37,536	5,520	1,023	178,595	40
	2016	179,698	41,707	9,576	4,934	206,894	46
	2017	182,188	47,162	9,089	-72	220,334	49
Bangladesh	2014	..	0	..	..	0	0
	2015	..	32	..	..	32	0
	2016	..	0	..	..	0	0
	2017	..	..	..	..	..	..
Cambodia	2014	..	509	..	..	509	33
	2015	..	1,235	..	..	1,235	80
	2016	..	1,429	..	..	1,429	91
	2017	56	1,954	..	-114	2,124	133
Georgia	2014	299	..	3	0	297	74
	2015	306	..	2	1	303	77
	2016	297	..	2	9	286	73
	2017	268	..	2	2	264	67
India	2014	48,257	1	3	-1,316	49,571	38
	2015	43,843	0	0	1,631	42,212	32
	2016	45,230	19	5	-2,074	47,318	36
	2017	46,255	10	4	327	45,934	34
Israel	2014	396	..	..	..	396	50
	2015	420	..	..	..	420	52
	2016	423	..	..	..	423	52
	2017	449	..	..	..	449	54

Table 7

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Jordan	2014	..	62	..	..	62	7
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Kazakhstan	2014	6,894	0	2,474	205	4,215	241
	2015	5,526	0	2,357	496	2,673	151
	2016	5,750	1	2,204	177	3,370	187
	2017	6,095	..	2,231	554	3,310	182
Korea, Dem.Ppl's.Rep.	2014	3,741	..	..	..	3,741	149
	2015	2,530	..	..	..	2,530	100
	2016	2,755	..	..	..	2,755	109
	2017	1,921	..	..	..	1,921	75
Korea, Republic of	2014	..	4,865	..	..	4,865	97
	2015	..	6,824	..	..	6,824	135
	2016	..	6,569	..	..	6,569	129
	2017	..	9,769	..	..	9,769	192
Kyrgyzstan	2014	1,505	21	5	154	1,367	237
	2015	1,584	9	10	477	1,106	189
	2016	1,603	5	91	225	1,292	217
	2017	1,624	3	272	139	1,216	201
Lao People's Dem. Rep.	2014	911	..	254	..	657	100
	2015	4,658	..	0	..	4,658	699
	2016	13,097	..	..	*3,163	9,934	1,470
	2017	13,440	..	..	*-114	13,554	1,976
Mongolia	2014	6,073	..	328	-252	5,997	2,051
	2015	5,755	..	46	-80	5,789	1,945
	2016	6,672	..	427	-160	6,404	2,115
	2017	6,783	..	406	58	6,320	2,055
Myanmar	2014	50	..	..	..	50	1
	2015	54	..	..	..	54	1
	2016	233	437	13	..	657	12
	2017	274	0	0	..	274	5
Other Asia	2014	..	13,247	..	55	13,192	563
	2015	..	11,429	..	28	11,401	485
	2016	..	12,532	..	1,443	11,089	471
	2017	..	12,304	..	470	11,834	501
Philippines	2014	7,601	15,182	5,767	-3,147	20,163	201
	2015	7,378	17,279	3,106	-455	22,006	216
	2016	11,211	20,030	6,835	-388	24,794	240
	2017	11,932	22,268	6,172	-1,292	29,320	279
Tajikistan	2014	56	..	..	..	56	7
	2015	57	..	..	..	57	7
	2016	50	..	..	..	50	6
	2017	53	1	..	..	54	6
Thailand	2014	18,042	..	..	-409	18,451	270
	2015	15,151	..	..	-239	15,390	224
	2016	16,979	55	..	92	16,942	246
	2017	16,259	193	..	163	16,289	236
Turkey	2014	63,416	..	..	-2,011	65,427	849
	2015	56,979	..	..	-716	57,695	737
	2016	71,691	..	..	2,184	69,507	874
	2017	72,864	..	1	-72	72,935	903

Table 7

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
United Arab Emirates	2014	..	1	0	..	1	0
	2015	..	0	..	..	0	0
	2016	..	0	..	..	0	0
	2017	..	..	..	..	..	..
Uzbekistan	2014	4,290	674	0	24	4,940	162
	2015	3,361	727	0	-121	4,209	136
	2016	3,707	630	0	263	4,075	130
	2017	3,915	660	0	-193	4,768	149
Europe	2014	548,878	6,902	5,704	-2,806	552,882	745
	2015	561,776	6,832	6,615	2,215	559,778	753
	2016	530,289	5,791	6,956	-4,835	533,959	718
	2017	549,036	5,787	10,350	-1,797	546,270	734
Austria	2014	..	98	0	0	98	11
	2015	..	93	0	0	93	11
	2016	..	80	0	0	80	9
	2017	..	76	..	..	76	9
Bosnia and Herzegovina	2014	11,651	20	425	-392	11,638	3,264
	2015	12,173	56	358	151	11,720	3,315
	2016	13,644	87	258	-326	13,799	3,924
	2017	14,084	98	239	-186	14,129	4,029
Bulgaria	2014	31,268	2	51	-221	31,440	4,353
	2015	35,859	0	36	81	35,742	4,980
	2016	31,231	0	17	213	31,001	4,347
	2017	34,277	1	22	583	33,673	4,753
Croatia	2014	..	44	..	-2	46	11
	2015	..	57	..	12	45	11
	2016	..	44	..	-6	50	12
	2017	..	49	..	..	49	12
Czechia	2014	38,177	1,407	863	329	38,392	3,622
	2015	38,105	1,031	868	430	37,838	3,568
	2016	38,528	138	855	-405	38,216	3,602
	2017	39,306	205	941	-91	38,661	3,641
Estonia	2014	20,995	..	..	367	20,628	15,647
	2015	19,616	..	..	1,717	17,899	13,608
	2016	17,057	..	..	-2,837	19,894	15,158
	2017	21,625	..	..	-272	21,897	16,720
France	2014	..	155	..	2	153	2
	2015	..	118	..	-7	125	2
	2016	..	99	..	-8	107	2
	2017	..	61	..	11	50	1
Germany	2014	178,178	13	1,171	64	176,956	2,172
	2015	178,065	20	914	201	176,970	2,166
	2016	171,547	26	0	532	171,041	2,088
	2017	171,286	30	..	102	171,214	2,085
Greece	2014	50,845	26	..	-1,007	51,878	4,605
	2015	46,246	0	..	1,979	44,267	3,946
	2016	32,638	0	..	-1,592	34,230	3,061
	2017	37,731	0	..	-330	38,061	3,411
Hungary	2014	9,551	181	384	-34	9,382	956
	2015	9,261	224	355	-192	9,322	953
	2016	9,216	178	211	3	9,180	941
	2017	7,972	207	2	34	8,143	838

Table 7

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Italy	2014	..	478	..	..	478	8
	2015	..	448	..	..	448	8
	2016	..	130	..	..	130	2
	2017	..	10	..	..	10	0
Kosovo	2014	7,204	1	24	-51	7,232	3,970
	2015	8,241	2	45	-126	8,324	4,620
	2016	8,801	2	18	-267	9,052	4,984
	2017	7,575	9	14	-33	7,603	4,153
Lithuania	2014	..	1	0	0	1	0
	2015	..	0	0	0	0	0
	2016	..	0	0	-1	1	0
	2017	..	3	..	..	3	1
Montenegro	2014	1,655	3	28	..	1,630	2,597
	2015	1,773	5	59	..	1,719	2,736
	2016	1,398	5	42	..	1,361	2,165
	2017	1,475	5	97	..	1,383	2,199
Netherlands	2014	..	41	..	10	31	2
	2015	..	36	..	0	36	2
	2016	..	36	..	0	36	2
	2017	..	48	..	0	48	3
North Macedonia	2014	6,482	273	0	46	6,709	3,230
	2015	5,937	173	3	65	6,042	2,906
	2016	5,152	192	2	-72	5,414	2,601
	2017	5,094	126	2	-160	5,378	2,582
Poland	2014	63,877	176	303	-95	63,845	1,667
	2015	63,128	281	198	164	63,047	1,648
	2016	60,246	289	212	-67	60,390	1,580
	2017	61,161	328	256	49	61,184	1,603
Romania	2014	23,565	931	37	-1,615	26,074	1,305
	2015	25,493	1,020	378	-770	26,905	1,354
	2016	22,980	854	3	-46	23,877	1,207
	2017	25,752	670	2	201	26,219	1,332
Russian Federation	2014	68,893	1,552	2,404	785	67,256	468
	2015	73,629	1,531	3,371	-435	72,224	502
	2016	73,485	2,296	5,272	1,079	69,430	482
	2017	74,886	2,321	8,701	-1,662	70,168	487
Serbia	2014	30,011	460	14	-233	30,690	4,345
	2015	37,826	781	30	142	38,435	5,452
	2016	38,440	336	66	-282	38,992	5,567
	2017	39,806	488	74	42	40,178	5,773
Slovakia	2014	2,188	474	..	211	2,451	451
	2015	1,939	436	..	-223	2,598	478
	2016	1,847	494	..	-79	2,420	445
	2017	1,834	556	..	41	2,349	431
Slovenia	2014	3,108	432	..	-33	3,573	1,725
	2015	3,168	388	..	-16	3,572	1,722
	2016	3,349	372	..	-27	3,748	1,804
	2017	3,356	372	..	-14	3,742	1,799
Spain	2014	1,230	..	..	-940	2,170	47
	2015	1,317	..	..	-960	2,277	49
	2016	730	..	..	-650	1,380	30
	2017	1,816	..	..	-114	1,930	42

Table 7

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Switzerland	2014	..	134	..	3	131	16
	2015	..	132	..	2	130	16
	2016	..	133	..	3	130	15
	2017	..	123	..	1	122	14
Oceania	2014	83,824	441	22	-214	84,457	2,167
	2015	90,108	405	43	-350	90,820	2,297
	2016	88,808	379	0	-180	89,367	2,228
	2017	85,458	388	44	-184	85,986	2,113
Australia	2014	81,787	..	..	..	81,787	3,484
	2015	88,118	..	..	..	88,118	3,703
	2016	87,143	..	..	..	87,143	3,612
	2017	83,752	..	..	..	83,752	3,425
New Zealand	2014	2,037	441	22	-214	2,670	585
	2015	1,990	405	43	-350	2,702	586
	2016	1,665	379	0	-180	2,224	477
	2017	1,706	388	44	-184	2,234	475

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Table Notes

Data comprise coal tar, gas coke and coke oven coke.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 18: Per capita supply of coke by region, 2017

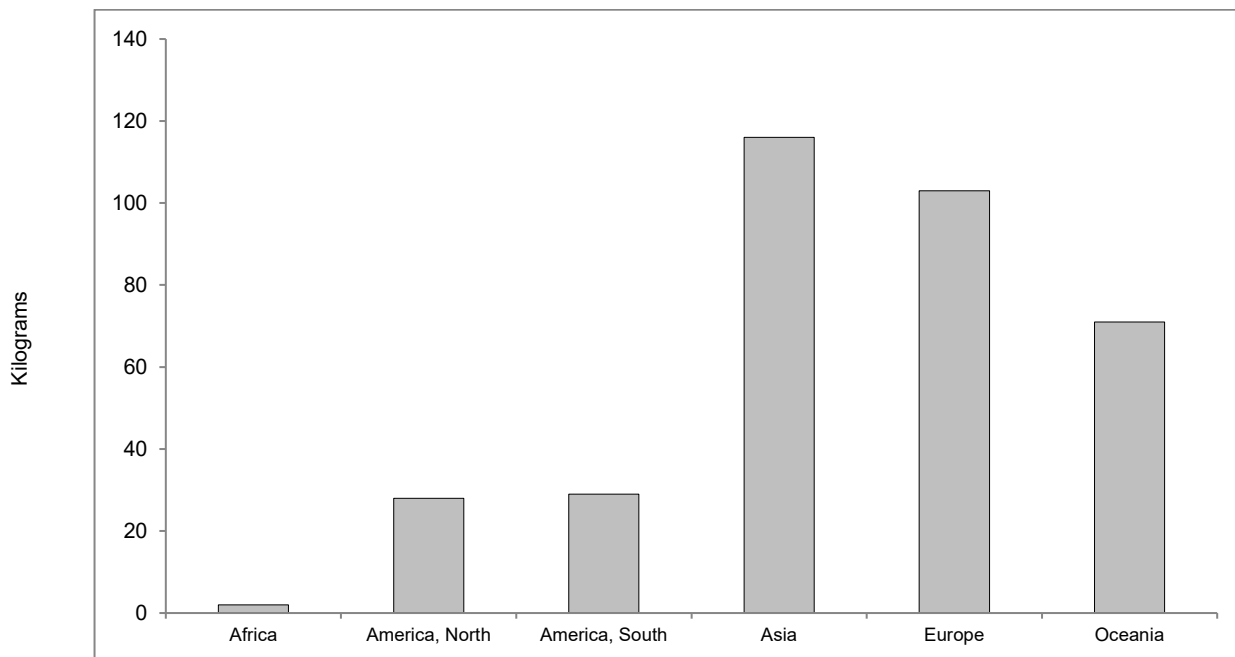


Figure 19: Major coke producing countries, 2017

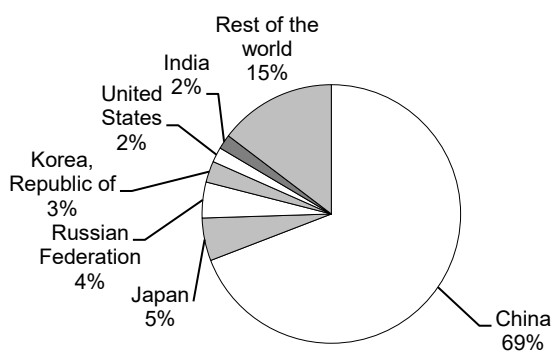


Figure 20: Major coke consuming countries, 2017

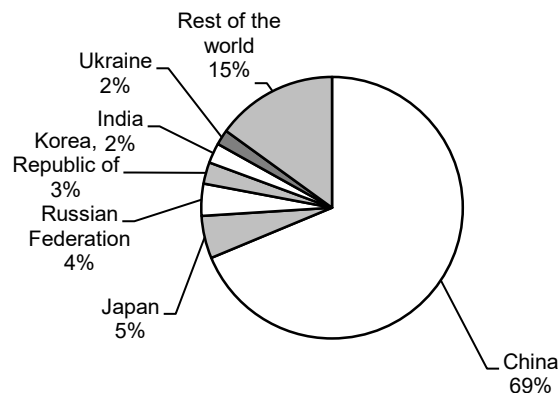


Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	703,454	28,305	28,103	2,406	701,250	96
	2015	673,838	26,900	27,097	-578	674,218	91
	2016	642,360	26,405	28,303	-15,791	656,253	88
	2017	624,276	26,139	27,715	-13,706	636,405	84
Africa	2014	2,690	615	339	30	2,936	3
	2015	2,643	591	315	12	2,907	2
	2016	2,501	483	281	78	2,625	2
	2017	2,831	506	379	-26	2,984	2
Algeria	2014	..	236	..	30	206	5
	2015	..	211	..	12	199	5
	2016	..	78	..	78	0	0
	2017	..	301	..	-26	327	8
Egypt	2014	379	323	129	0	573	6
	2015	297	324	101	0	520	6
	2016	*222	*353	*66	0	*509	*5
	2017	*518	*153	*154	..	*517	*5
South Africa	2014	1,981	..	..	..	1,981	36
	2015	2,009	..	..	..	2,009	36
	2016	1,940	..	..	..	1,940	35
	2017	1,958	..	..	..	1,958	35
Zambia	2014	..	*56	*3	..	*53	*3
	2015	..	*56	*3	..	*53	*3
	2016	..	*52	*2	..	*50	*3
	2017	..	*52	*2	..	*50	*3
Zimbabwe	2014	330	..	207	..	123	9
	2015	337	..	211	..	126	9
	2016	339	..	213	..	126	9
	2017	355	..	223	..	132	9
America, North	2014	18,349	1,559	919	-104	19,093	34
	2015	16,670	1,847	854	795	16,868	30
	2016	14,411	2,395	951	-583	16,438	29
	2017	15,333	2,189	1,239	-260	16,543	28
Bermuda	2014	..	0	..	..	0	1
	2015	..	0	..	..	0	1
	2016	..	0	..	..	0	1
	2017	..	0	..	..	0	1
Canada	2014	2,219	897	61	-36	3,091	87
	2015	2,273	924	77	242	2,878	80
	2016	2,194	979	44	172	2,957	81
	2017	2,203	845	43	-241	3,246	89
Cuba	2014	..	1	..	..	1	0
	2015	..	1	..	..	1	0
	2016	..	1	..	..	1	0
	2017	..	1	..	..	1	0
Honduras	2014	..	91	..	0	91	10
	2015	..	94	..	0	94	10
	2016	..	99	..	0	99	11
	2017	..	103	..	0	103	11
Mexico	2014	2,383	501	..	..	2,884	23
	2015	1,919	701	..	..	2,620	21
	2016	1,462	1,109	..	..	2,571	20
	2017	1,384	1,187	99	..	2,472	19

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
United States	2014	13,747	69	858	-68	13,026	41
	2015	12,478	127	777	553	11,275	35
	2016	10,755	207	907	-755	10,810	34
	2017	11,746	53	1,097	-19	10,721	33
America, South	2014	13,279	1,836	2,159	-56	13,012	32
	2015	12,733	2,336	1,956	-51	13,164	32
	2016	12,637	1,233	1,919	-16	11,967	28
	2017	13,524	1,603	2,574	96	12,457	29
Argentina	2014	840	..	..	..	840	20
	2015	816	..	..	..	816	19
	2016	617	..	..	..	617	14
	2017	716	..	..	..	716	16
Brazil	2014	9,496	1,818	..	98	11,216	55
	2015	9,079	2,295	..	-64	11,438	56
	2016	9,233	1,107	..	23	10,317	50
	2017	9,837	1,538	..	113	11,262	54
Chile	2014	448	5	149	-38	342	19
	2015	407	3	39	17	354	20
	2016	418	0	146	-72	344	19
	2017	386	0	52	-3	337	19
Colombia	2014	2,495	..	1,973	0	522	11
	2015	2,431	..	1,917	0	514	11
	2016	2,369	..	1,773	0	596	12
	2017	2,585	..	2,522	..	63	1
Peru	2014	..	13	37	-116	92	3
	2015	..	38	0	-4	42	1
	2016	..	126	0	33	93	3
	2017	..	65	0	-14	79	2
Asia	2014	569,334	10,589	9,605	2,251	568,067	130
	2015	544,243	9,398	10,881	-1,574	544,333	123
	2016	529,815	10,090	11,650	-15,464	543,720	122
	2017	510,702	10,092	9,964	-13,820	524,650	116
Afghanistan	2014	*59	*205	*59	..	*205	*6
	2015	*53	*200	*53	..	*200	*6
	2016	*66	*200	*66	..	*200	*6
	2017	*67	*203	*67	..	*203	*6
China	2014	479,809	2	8,507	2,360	468,943	337
	2015	448,225	4	9,648	-1,608	440,189	315
	2016	449,115	1	10,119	-15,290	454,286	324
	2017	431,684	10	8,079	-13,780	437,395	310
Georgia	2014	..	131	0	-4	135	34
	2015	..	123	0	14	109	27
	2016	..	147	0	21	126	32
	2017	..	135	13	-18	140	36
India	2014	22,290	3,294	102	..	25,482	20
	2015	30,071	3,068	103	..	33,036	25
	2016	12,503	4,346	89	..	16,760	13
	2017	11,330	4,585	108	..	15,807	12
Indonesia	2014	27	257	81	..	203	1
	2015	19	160	0	..	179	1
	2016	2,931	548	0	..	3,479	13
	2017	*2,795	523	0	..	*3,318	*13

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Iran (Islamic Rep. of)	2014	1,124	438	0	1	1,561	20
	2015	1,179	315	15	0	1,479	19
	2016	1,199	26	1	1	1,223	15
	2017	1,317	122	51	1	1,387	17
Japan	2014	34,571	3,337	503	42	37,363	292
	2015	33,201	2,733	788	-3	35,149	275
	2016	33,957	2,035	1,027	77	34,888	273
	2017	33,401	1,273	1,232	-80	33,522	263
Jordan	2014	..	43	..	..	43	5
	2015	..	20	..	..	20	2
	2016	..	28	..	..	28	3
	2017	..	44	..	..	44	5
Kazakhstan	2014	2,698	1,218	15	55	3,846	220
	2015	2,647	973	15	43	3,562	201
	2016	2,872	835	29	20	3,658	203
	2017	2,989	952	48	..	3,894	214
Korea, Dem.Ppl's.Rep.	2014	..	200	..	..	200	8
	2015	..	177	..	..	177	7
	2016	..	200	..	..	200	8
	2017	..	179	..	..	179	7
Korea, Republic of	2014	17,654	405	..	..	18,059	358
	2015	18,146	389	..	..	18,535	366
	2016	16,572	340	..	..	16,912	333
	2017	16,600	335	..	..	16,935	332
Other Asia	2014	6,277	173	71	-57	6,436	275
	2015	6,021	187	0	-35	6,243	266
	2016	6,226	201	0	-7	6,434	273
	2017	6,056	274	46	-8	6,292	266
Pakistan	2014	270	..	..	..	270	1
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Philippines	2014	..	292	..	..	292	3
	2015	..	250	..	..	250	2
	2016	..	336	..	..	336	3
	2017	..	294	..	..	294	3
Syrian Arab Republic	2014	..	1	..	..	1	0
	2015	..	1	..	..	1	0
	2016	..	1	..	..	1	0
	2017	..	1	..	..	1	0
Thailand	2014	..	38	..	-146	184	3
	2015	..	15	..	-93	108	2
	2016	..	30	..	-36	66	1
	2017	..	88	..	30	58	1
Turkey	2014	4,555	352	105	0	4,802	62
	2015	4,680	568	87	108	5,053	65
	2016	4,374	590	135	-250	5,079	64
	2017	4,463	834	126	35	5,136	64
United Arab Emirates	2014	..	2	0	..	2	0
	2015	..	2	0	..	2	0
	2016	..	1	0	..	1	0
	2017	..	2	..	..	2	0

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Uzbekistan	2014	..	23	0	..	23	1
	2015	..	23	0	..	23	1
	2016	..	23	0	..	23	1
	2017	..	23	0	..	23	1
Viet Nam	2014	..	178	161	..	17	0
	2015	..	190	172	..	18	0
	2016	..	202	183	..	19	0
	2017	..	216	195	..	21	0
Europe	2014	96,442	13,625	14,235	285	95,548	129
	2015	94,079	12,597	12,147	240	94,290	127
	2016	79,973	12,014	12,969	194	78,824	106
	2017	78,835	11,563	13,207	304	76,886	103
Austria	2014	1,374	1,232	1	-6	2,611	302
	2015	1,379	959	47	-54	2,345	270
	2016	1,394	848	39	-60	2,263	260
	2017	1,397	941	40	-213	2,511	287
Belarus	2014	..	65	..	-2	67	7
	2015	..	52	..	-3	55	6
	2016	..	54	..	4	50	5
	2017	..	57	..	-5	62	7
Belgium	2014	1,496	239	176	-63	1,622	145
	2015	1,274	375	5	12	1,632	145
	2016	1,248	465	7	-19	1,725	152
	2017	1,236	515	14	-1	1,738	152
Bosnia and Herzegovina	2014	908	9	354	156	407	114
	2015	911	0	286	178	447	126
	2016	880	17	377	92	428	122
	2017	855	58	306	216	391	111
Bulgaria	2014	..	90	..	9	81	11
	2015	..	76	..	-4	80	11
	2016	..	97	..	-3	100	14
	2017	..	62	..	0	62	9
Croatia	2014	..	27	..	-2	29	7
	2015	..	25	..	0	25	6
	2016	..	30	..	1	29	7
	2017	..	31	..	..	31	7
Czechia	2014	2,737	597	530	-27	2,831	267
	2015	2,521	724	521	-29	2,753	260
	2016	2,396	844	550	2	2,688	253
	2017	2,676	522	646	23	2,529	238
Denmark	2014	..	21	..	1	20	4
	2015	..	15	..	-2	17	3
	2016	..	11	..	-1	12	2
	2017	..	12	..	..	12	2
Estonia	2014	25	..	26	-1	0	0
	2015	8	..	8	0	0	0
	2016	13	..	13	0	0	0
	2017	19	..	19	..	0	0
Finland	2014	928	398	76	16	1,234	226
	2015	915	446	121	78	1,162	212
	2016	921	323	91	83	1,070	194
	2017	900	255	137	46	972	176

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
France	2014	3,385	606	56	129	3,806	57
	2015	3,315	470	27	193	3,565	53
	2016	3,227	370	83	91	3,423	51
	2017	3,356	494	6	219	3,625	54
Germany	2014	8,770	3,520	491	71	11,728	144
	2015	8,800	2,893	348	-24	11,369	139
	2016	9,387	2,388	715	0	11,060	135
	2017	9,392	2,297	842	30	10,817	132
Hungary	2014	967	50	514	-12	515	52
	2015	1,006	48	344	-4	714	73
	2016	929	39	459	-9	518	53
	2017	999	110	374	9	726	75
Iceland	2014	..	31	..	..	31	94
	2015	..	24	..	..	24	73
	2016	..	25	..	..	25	75
	2017	..	22	..	..	22	66
Italy	2014	1,685	1,215	341	-77	2,636	44
	2015	1,687	682	307	-60	2,122	36
	2016	1,806	985	374	-100	2,517	42
	2017	1,717	684	342	2	2,057	35
Lithuania	2014	..	17	..	1	16	5
	2015	..	13	..	0	13	4
	2016	..	16	..	0	16	6
	2017	..	16	..	-1	17	6
Luxembourg	2014	..	1	..	..	1	2
	2015	..	1	..	..	1	2
	2016	..	1	..	..	1	2
	2017	..	1	..	..	1	2
Netherlands	2014	2,103	500	608	-60	2,055	122
	2015	2,117	69	211	13	1,962	116
	2016	2,108	71	151	50	1,978	116
	2017	2,036	110	246	-80	1,980	116
North Macedonia	2014	..	2	0	1	2	1
	2015	..	0	0	0	1	0
	2016	..	1	0	-1	2	1
	2017	..	5	0	4	1	1
Norway	2014	..	455	0	-2	457	89
	2015	..	427	0	-2	429	83
	2016	..	426	..	15	411	78
	2017	..	411	..	-14	425	80
Poland	2014	9,952	195	7,037	-164	3,274	85
	2015	10,170	100	6,849	92	3,329	87
	2016	10,101	125	7,355	-45	2,916	76
	2017	9,790	211	6,855	-94	3,240	85
Portugal	2014	..	9	..	0	9	1
	2015	..	8	..	0	8	1
	2016	..	13	..	1	12	1
	2017	..	12	..	-1	13	1
Republic of Moldova	2014	..	2	..	..	2	0
	2015	..	0	..	..	0	0
	2016	..	0	..	..	0	0
	2017	..	..	..	..	..	..

Table 8

Production, trade and supply of coke

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Romania	2014	..	738	..	27	711	36
	2015	..	798	..	-27	825	42
	2016	..	808	..	-21	829	42
	2017	..	761	..	34	727	37
Russian Federation	2014	39,518	150	2,528	155	36,985	257
	2015	40,348	91	2,455	-122	38,106	265
	2016	26,236	73	2,261	58	23,990	167
	2017	27,983	105	2,920	-62	25,230	175
Serbia	2014	..	290	0	1	289	41
	2015	..	491	0	-2	493	70
	2016	..	664	0	2	662	95
	2017	..	719	3	-3	718	103
Slovakia	2014	1,617	210	91	-11	1,747	322
	2015	1,698	191	63	165	1,661	305
	2016	1,694	153	72	5	1,770	325
	2017	1,637	258	70	31	1,794	329
Slovenia	2014	..	32	..	-5	37	18
	2015	..	31	..	2	29	14
	2016	..	28	..	1	27	13
	2017	..	30	..	..	30	14
Spain	2014	1,605	248	130	26	1,697	36
	2015	1,631	337	144	-34	1,858	40
	2016	1,620	186	137	105	1,564	34
	2017	1,558	261	132	196	1,491	32
Sweden	2014	1,113	98	30	-72	1,253	129
	2015	1,187	87	81	-65	1,258	129
	2016	1,171	103	28	-16	1,262	128
	2017	1,155	96	30	-104	1,325	134
Switzerland	2014	..	17	..	..	17	2
	2015	..	15	..	..	15	2
	2016	..	16	..	..	16	2
	2017	..	14	..	..	14	2
Ukraine	2014	14,473	1,636	1,158	0	14,951	333
	2015	12,267	2,037	240	0	14,064	315
	2016	13,442	1,612	257	-150	14,947	336
	2017	10,696	1,550	225	66	11,955	270
United Kingdom	2014	3,786	925	88	196	4,427	68
	2015	2,845	1,112	90	-61	3,928	60
	2016	1,400	1,222	0	109	2,513	38
	2017	1,433	943	0	6	2,370	36
Oceania	2014	3,360	81	846	..	2,595	67
	2015	3,470	130	944	..	2,656	67
	2016	3,023	189	533	..	2,679	67
	2017	3,051	186	352	..	2,885	71
Australia	2014	2,857	81	846	..	2,092	89
	2015	2,966	130	944	..	2,152	90
	2016	2,521	189	533	..	2,177	90
	2017	2,542	186	352	..	2,376	97
New Zealand	2014	503	..	..	..	503	110
	2015	504	..	..	..	504	109
	2016	502	..	..	..	502	108
	2017	509	..	..	..	509	108

Production, trade and supply of patent fuel

Thousand metric tons and kilograms per capita

Table Notes

Data refer to patent fuel.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification, and xvi to xvii for the descriptions of relevant flows.

Figure 21: Major patent fuel producing countries, 2017

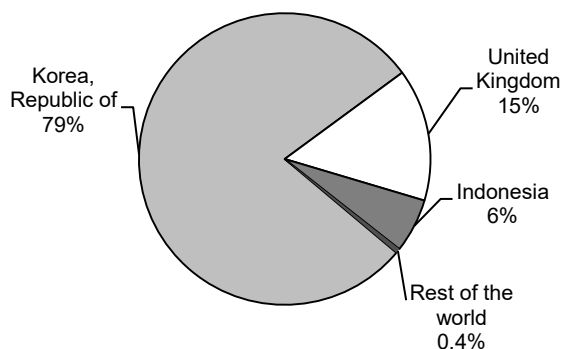


Figure 22: Major patent fuel consuming countries, 2017

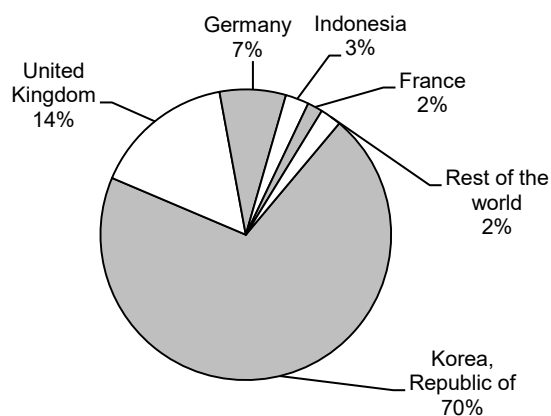


Table 9

Production, trade and supply of patent fuel

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	2,001	188	40	-79	2,228	0
	2015	1,731	238	40	-3	1,933	0
	2016	1,601	237	32	69	1,737	0
	2017	1,368	239	29	44	1,534	0
Africa	2014	4	..	..	..	4	0
	2015	4	..	..	..	4	0
	2016	4	..	..	..	4	0
	2017	5	..	..	..	5	0
Niger	2014	*4	..	..	..	*4	0
	2015	*4	..	..	..	*4	0
	2016	*4	..	..	..	*4	0
	2017	*5	..	..	..	*5	0
America, North	2014	..	2	..	..	2	0
	2015	..	2	..	..	2	0
	2016	..	2	..	..	2	0
	2017	..	2	..	..	2	0
Bahamas	2014	..	*2	..	..	*2	*5
	2015	..	*2	..	..	*2	*5
	2016	..	*2	..	..	*2	*5
	2017	..	*2	..	..	*2	*5
Asia	2014	1,720	3	0	-96	1,819	0
	2015	1,492	3	0	0	1,495	0
	2016	1,350	5	0	54	1,301	0
	2017	1,160	5	0	46	1,119	0
Indonesia	2014	91	3	0	-96	190	1
	2015	*19	*3	0	0	*22	0
	2016	*95	*4	0	*54	*45	0
	2017	*82	*4	0	*46	*40	0
Korea, Republic of	2014	1,629	..	..	..	1,629	32
	2015	1,473	..	..	..	1,473	29
	2016	1,255	..	..	..	1,255	25
	2017	1,078	..	..	..	1,078	21
United Arab Emirates	2014	..	0	..	..	0	0
	2015	..	0	..	..	0	0
	2016	..	1	..	..	1	0
	2017	..	1	..	..	1	0
Europe	2014	277	183	40	17	403	1
	2015	235	233	40	-3	431	1
	2016	247	230	32	15	430	1
	2017	203	232	29	-2	408	1
Austria	2014	..	9	..	3	6	1
	2015	..	5	..	0	5	1
	2016	..	4	..	0	4	0
	2017	..	4	..	..	4	0
Belgium	2014	..	10	7	0	3	0
	2015	..	8	7	0	1	0
	2016	..	8	6	-1	3	0
	2017	..	6	4	1	1	0
France	2014	..	24	..	..	24	0
	2015	..	24	..	..	24	0
	2016	..	29	..	..	29	0
	2017	..	26	..	..	26	0

Production, trade and supply of patent fuel

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Germany	2014	..	103	1	..	102	1
	2015	..	155	1	..	154	2
	2016	..	137	1	..	136	2
	2017	..	114	1	..	113	1
Luxembourg	2014	..	..	..	..	..	..
	2015	..	1	..	..	1	2
	2016	..	0	..	..	0	0
	2017	..	0	..	..	0	0
Poland	2014	3	14	8	0	9	0
	2015	3	12	10	0	5	0
	2016	2	14	3	..	13	0
	2017	2	14	4	..	12	0
Slovakia	2014	..	9	..	..	9	2
	2015	..	8	..	..	8	1
	2016	..	9	..	..	9	2
	2017	..	11	..	..	11	2
Ukraine	2014	..	..	..	..	..	..
	2015	1	..	..	..	1	0
	2016	0	..	..	..	0	0
	2017	..	..	..	..	..	..
United Kingdom	2014	274	14	24	15	249	4
	2015	231	20	22	-3	232	4
	2016	245	29	22	16	236	4
	2017	201	57	20	-3	241	4

Production, trade and supply of brown coal briquettes and peat products

Thousand metric tons and kilograms per capita

Table Notes

Data refer to brown coal briquettes (BKB) and peat products.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification, and xvi to xvii for the descriptions of relevant flows.

Figure 23: Production of BKB and peat products by region, 1990-2017

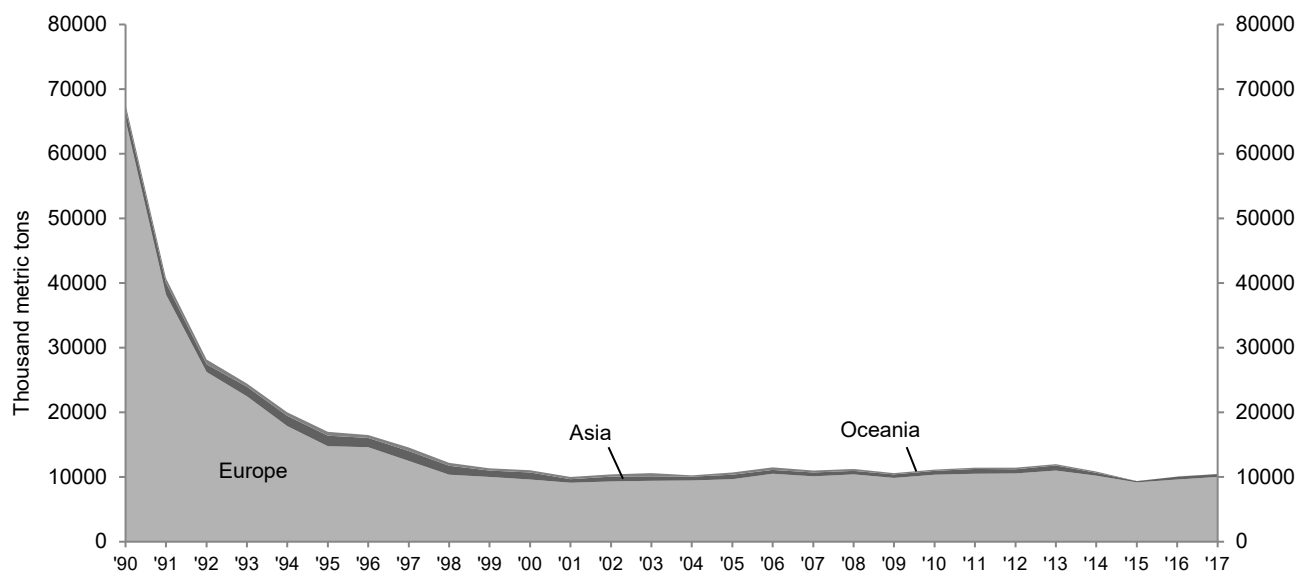


Figure 24: Major BKB and peat products producing countries, 2017

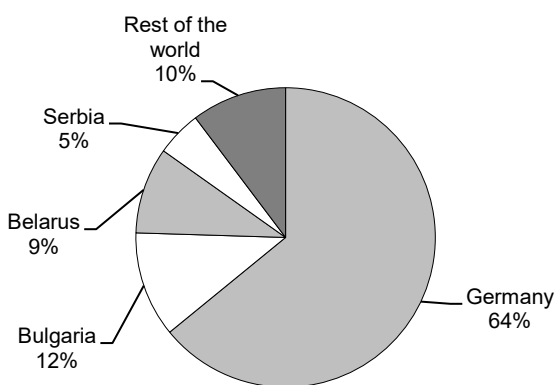


Figure 25: Major BKB and peat products consuming countries, 2017

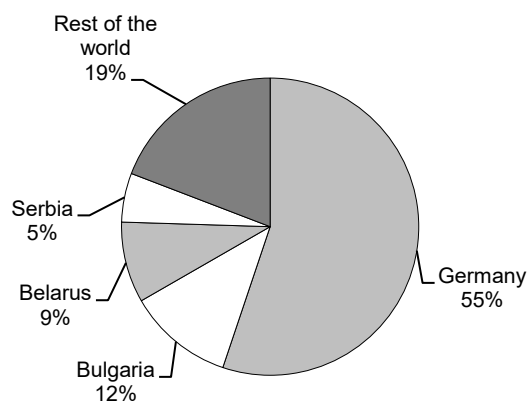


Table 10

Production, trade and supply of brown coal briquettes and peat products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	10,860	1,369	1,951	27	10,251	1
	2015	9,395	867	1,642	-10	8,630	1
	2016	10,076	909	1,600	-12	9,397	1
	2017	10,461	870	1,721	133	9,476	1
America, North	2014	..	3	..	..	3	0
	2015	..	3	..	..	3	0
	2016	..	4	..	..	4	0
	2017	..	2	..	..	2	0
Mexico	2014	..	3	..	..	3	0
	2015	..	3	..	..	3	0
	2016	..	4	..	..	4	0
	2017	..	2	..	..	2	0
Asia	2014	452	4	..	..	456	0
	2015	173	3	..	..	176	0
	2016	436	1	..	..	437	0
	2017	464	2	0	..	466	0
Georgia	2014	..	2	..	..	2	1
	2015	..	2	..	..	2	1
	2016	..	1	..	..	1	0
	2017	..	2	0	..	2	1
India	2014	*452	..	..	..	*452	0
	2015	*173	..	..	..	*173	0
	2016	*436	..	..	..	*436	0
	2017	*464	..	..	..	*464	0
Singapore	2014	..	2	..	..	2	0
	2015	..	1	..	..	1	0
	2016	..	0	..	..	0	0
	2017	..	..	..	..	..	..
Europe	2014	10,195	1,362	1,945	-17	9,629	13
	2015	9,178	860	1,642	-10	8,406	11
	2016	9,640	863	1,600	-30	8,933	12
	2017	9,997	866	1,721	143	8,998	12
Albania	2014	..	394	..	..	394	135
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Austria	2014	..	11	0	0	11	1
	2015	..	8	0	0	8	1
	2016	..	8	0	0	8	1
	2017	..	8	..	..	8	1
Belarus	2014	852	..	105	53	694	73
	2015	677	..	87	2	588	62
	2016	873	..	94	9	770	81
	2017	976	..	109	33	834	88
Belgium	2014	..	426	0	1	425	38
	2015	..	440	0	-1	441	39
	2016	..	417	..	-1	418	37
	2017	..	366	..	3	363	32
Bulgaria	2014	1,392	..	..	-32	1,424	197
	2015	938	..	..	-40	978	136
	2016	1,313	..	..	7	1,306	183
	2017	1,192	..	..	99	1,093	154

Table 10

Production, trade and supply of brown coal briquettes and peat products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Czechia	2014	144	153	112	-3	188	18
	2015	122	146	82	1	185	17
	2016	118	171	94	-2	197	19
	2017	128	225	105	2	246	23
Estonia	2014	62	..	50	0	12	9
	2015	9	..	0	0	9	7
	2016	8	..	0	-1	9	7
	2017	..	..	..	..	..	..
Finland	2014	9	..	0	..	9	2
	2015	0	..	0	-9	9	2
	2016	0	..	0	-1	1	0
	2017	..	..	..	-1	1	0
France	2014	..	84	..	0	84	1
	2015	..	54	..	0	54	1
	2016	..	44	..	..	44	1
	2017	..	57	..	..	57	1
Germany	2014	6,883	78	1,522	-6	5,445	67
	2015	6,657	41	1,444	-9	5,263	64
	2016	6,418	19	1,380	-50	5,107	62
	2017	6,705	8	1,486	..	5,227	64
Hungary	2014	..	4	..	..	4	0
	2015	..	4	..	..	4	0
	2016	..	7	..	..	7	1
	2017	..	12	..	..	12	1
Ireland	2014	207	28	6	16	213	45
	2015	148	27	18	-33	190	40
	2016	183	20	14	19	170	36
	2017	170	14	13	14	157	33
Latvia	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	1	..	..	..	1	1
Lithuania	2014	6	57	12	-14	65	22
	2015	5	45	2	-1	49	17
	2016	6	60	5	2	59	20
	2017	5	59	4	-5	65	22
Luxembourg	2014	..	4	..	..	4	7
	2015	..	9	..	..	9	16
	2016	..	8	..	..	8	14
	2017	..	9	..	..	9	15
Netherlands	2014	..	25	..	..	25	1
	2015	..	17	..	..	17	1
	2016	..	40	..	..	40	2
	2017	..	42	..	..	42	2
Poland	2014	..	70	0	..	70	2
	2015	..	39	2	..	37	1
	2016	..	27	5	..	22	1
	2017	..	29	2	..	27	1
Russian Federation	2014	60	..	2	0	58	0
	2015	43	..	3	-2	42	0
	2016	41	..	4	1	36	0
	2017	26	0	2	0	24	0

Table 10**Production, trade and supply of brown coal briquettes and peat products**

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Serbia	2014	271	4	39	-40	276	39
	2015	331	11	4	79	259	37
	2016	434	11	4	-16	457	65
	2017	513	5	0	12	505	73
Slovakia	2014	..	23	..	-7	30	6
	2015	..	19	..	2	17	3
	2016	..	31	..	1	30	6
	2017	..	32	..	1	31	6
Ukraine	2014	309	1	97	15	198	4
	2015	248	0	0	1	247	6
	2016	246	0	0	2	244	5
	2017	281	..	..	-15	296	7
Oceania	2014	213	..	6	44	163	4
	2015	44	..	0	0	44	1
	2016	0	41	0	18	23	1
	2017	..	..	..	-10	10	0
Australia	2014	213	..	6	44	163	7
	2015	44	..	0	0	44	2
	2016	0	41	0	18	23	1
	2017	..	..	..	-10	10	0

Production, trade and supply of peat

Thousand metric tons and kilograms per capita

Table Notes

Data refer to peat.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification, and xvi to xvii for the descriptions of relevant flows.

Figure 26: World production of peat, 1990-2017

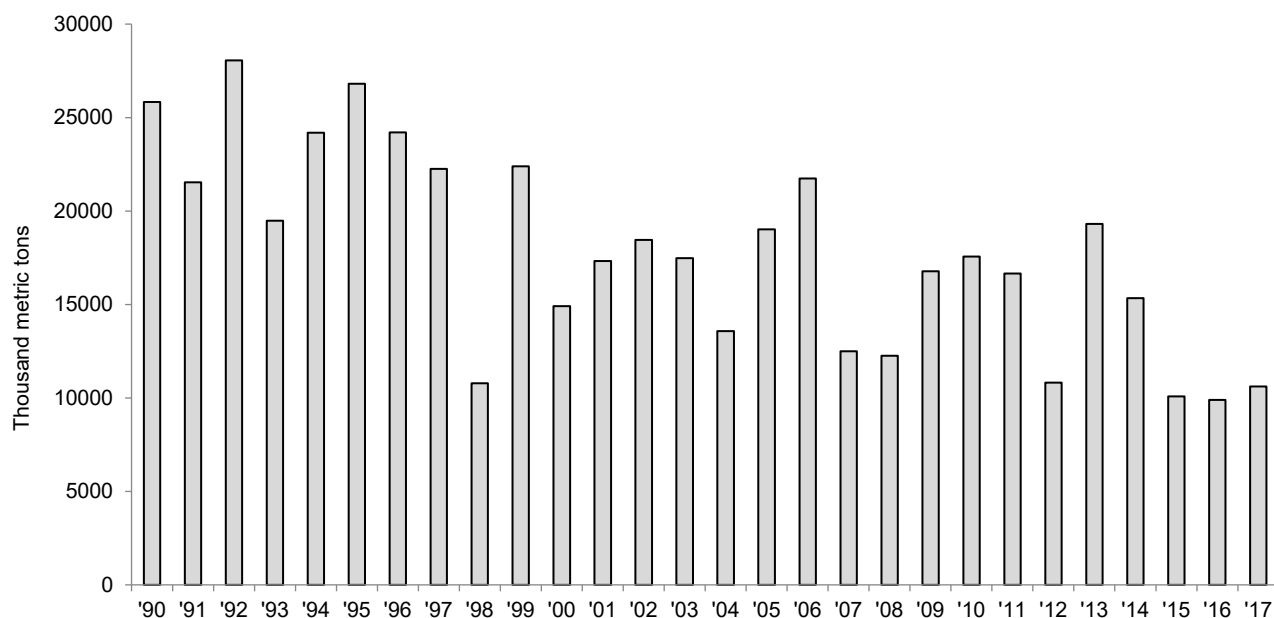


Figure 27: Major peat producing countries, 2017

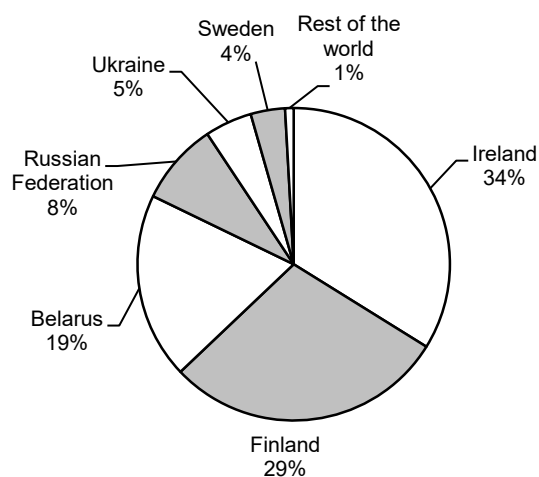


Figure 28: Major peat consuming countries, 2017

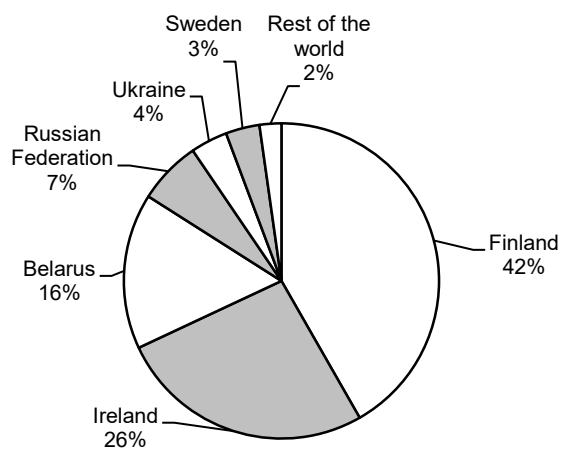


Table 11

Production, trade and supply of peat

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	15,333	233	226	930	14,410	2
	2015	10,088	213	167	-2,711	12,845	2
	2016	9,890	183	155	-3,517	13,435	2
	2017	10,615	221	174	-2,314	12,976	2
Africa	2014	11	..	..	..	11	0
	2015	4	..	..	..	4	0
	2016	10	..	..	..	10	0
	2017	14	..	..	..	14	0
Burundi	2014	11	..	..	..	11	1
	2015	4	..	..	..	4	0
	2016	10	..	..	..	10	1
	2017	14	..	..	..	14	1
America, South	2014	9	3	..	..	12	0
	2015	8	3	..	..	11	0
	2016	7	5	..	..	12	0
	2017	5	4	..	..	9	0
Falkland Is. (Malvinas)	2014	*9	..	..	..	*9	*3,117
	2015	*8	..	..	..	*8	*2,761
	2016	*7	..	..	..	*7	*2,405
	2017	5	..	..	..	5	1,718
Uruguay	2014	..	3	..	..	3	1
	2015	..	3	..	..	3	1
	2016	..	5	..	..	5	1
	2017	..	4	..	..	4	1
Asia	2014	1	6	2	..	5	0
	2015	2	6	2	..	6	0
	2016	3	5	3	..	5	0
	2017	10	7	10	..	6	0
Armenia	2014	*1	0	2	..	0	0
	2015	2	0	2	..	0	0
	2016	3	0	3	..	0	0
	2017	10	0	10	..	0	0
Georgia	2014	..	2	..	..	2	1
	2015	..	2	..	..	2	1
	2016	..	1	..	..	1	0
	2017	..	2	0	..	2	1
Uzbekistan	2014	..	0	..	..	0	0
	2015	..	0	..	..	0	0
	2016	..	1	..	..	1	0
	2017	..	1	..	..	1	0
Viet Nam	2014	..	3	..	..	3	0
	2015	..	3	..	..	3	0
	2016	..	3	..	..	3	0
	2017	..	3	..	..	3	0
Europe	2014	15,311	225	224	930	14,382	19
	2015	10,074	204	165	-2,711	12,824	17
	2016	9,870	173	152	-3,517	13,408	18
	2017	10,586	210	164	-2,314	12,946	17
Austria	2014	1	..	..	..	1	0
	2015	1	..	..	..	1	0
	2016	0	..	..	..	0	0
	2017	..	..	..	..	..	..

Table 11

Production, trade and supply of peat

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Belarus	2014	1,433	..	..	-144	1,577	166
	2015	1,015	..	..	-375	1,390	147
	2016	1,362	..	..	-494	1,856	196
	2017	2,045	..	..	-28	2,073	219
Estonia	2014	261	..	0	36	225	171
	2015	118	..	36	-50	132	100
	2016	102	..	18	-54	138	105
	2017	32	..	31	-147	148	113
Finland	2014	6,722	49	2	787	5,982	1,096
	2015	3,489	61	1	-2,206	5,755	1,050
	2016	3,031	45	..	-2,586	5,662	1,029
	2017	3,085	26	..	-2,304	5,415	980
Iceland	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	1	..	..	1	3
Ireland	2014	4,604	..	..	956	3,648	778
	2015	3,546	..	..	47	3,499	744
	2016	3,187	..	..	-340	3,527	746
	2017	3,593	..	..	181	3,412	717
Latvia	2014	5	0	0	2	3	1
	2015	0	0	0	-1	1	1
	2016	4	0	0	1	3	2
	2017	2	..	1	-2	3	2
Lithuania	2014	100	..	9	48	43	15
	2015	74	..	8	43	23	8
	2016	17	..	1	-13	29	10
	2017	24	..	1	-29	52	18
Republic of Moldova	2014	..	..	..	..	..	..
	2015	..	1	..	..	1	0
	2016	..	0	..	..	0	0
	2017	..	0	..	..	0	0
Romania	2014	2	34	3	0	33	2
	2015	4	36	1	0	39	2
	2016	7	39	1	0	45	2
	2017	7	50	0	0	57	3
Russian Federation	2014	1,149	9	66	-755	1,847	13
	2015	967	12	95	-141	1,025	7
	2016	1,197	15	106	-38	1,144	8
	2017	903	41	102	0	842	6
Sweden	2014	450	110	..	..	560	58
	2015	369	82	..	..	451	46
	2016	424	57	..	..	481	49
	2017	377	74	..	..	451	46
Ukraine	2014	584	23	144	0	463	10
	2015	491	12	24	-28	507	11
	2016	539	17	26	7	523	12
	2017	518	18	29	15	492	11

Production of biofuels and wastes

Terajoules

Table Notes

The conversion of fuelwood (solid volume, 9.135 TJ/m³) is based on an average 20-30% moisture content of wood from an unspecified species.

The methodology used for estimating fuel bagasse production for certain countries is derived from the work done by the Economic Commission for Latin America and the Caribbean (ECLAC). Although several different methodologies have been devised, the one selected assumes a yield of 3.26 tons of fuel bagasse at 50% humidity per ton of cane sugar produced. This methodology was used for instances where national data on bagasse production were not

available. In these cases, data were derived from sugar production figures extracted from the Sugar Yearbook of the International Sugar Organization (London).

Biogasoline includes Other liquid biofuels.

The total column excludes charcoal as it is the only secondary energy product in the table.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification, and xvi to xvii for the descriptions of relevant flows.

Figure 29: Production of fuelwood by region, 1990-2017

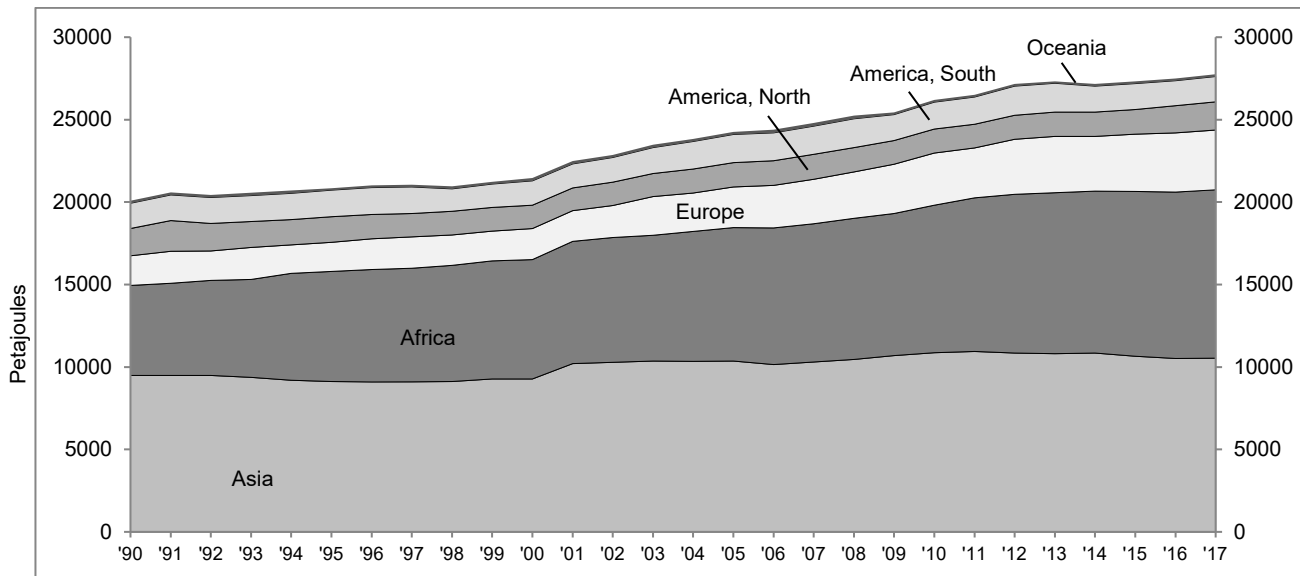


Figure 30: Production of charcoal by region, 1990-2017

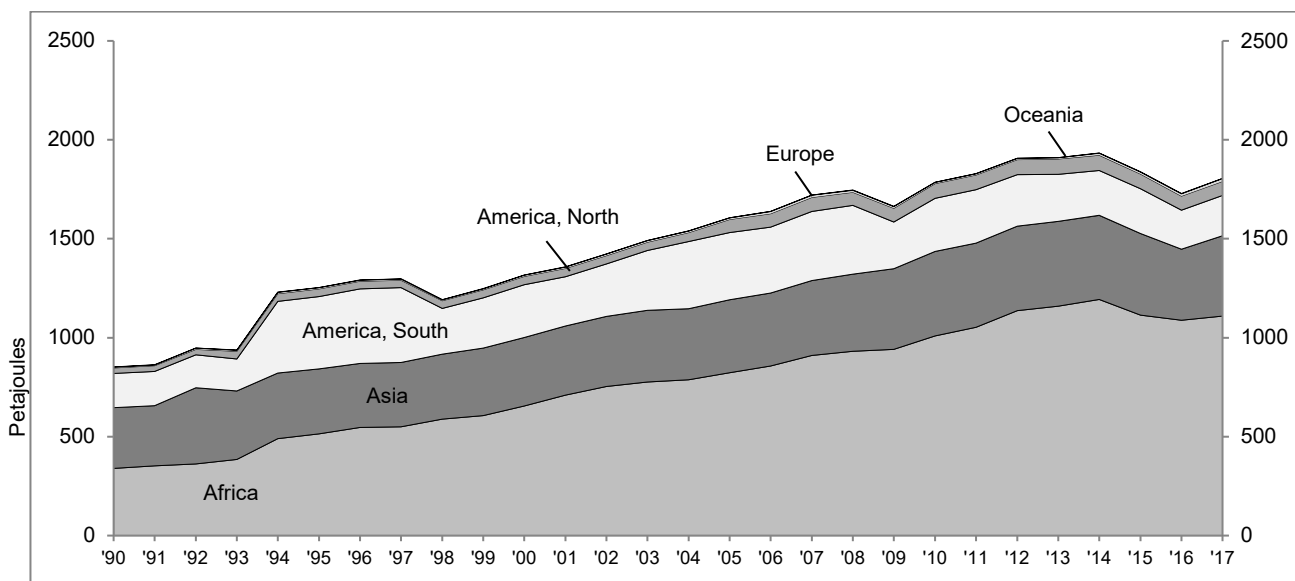


Figure 31: Production of total solid biofuels by region, 2017

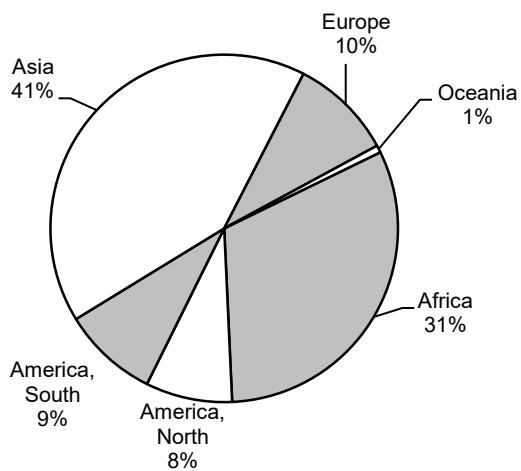


Figure 32: Production of biogases by region, 2017

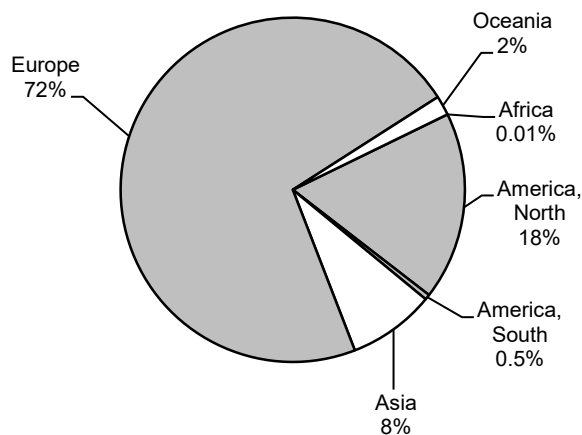


Figure 33: Production of bagasse by region, 2017

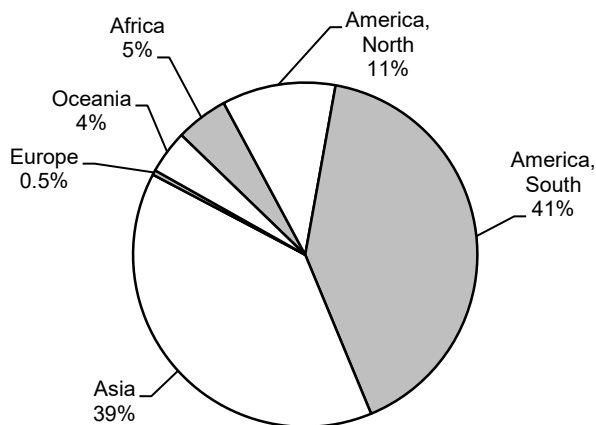


Figure 34: Production of liquids biofuels by region, 2017

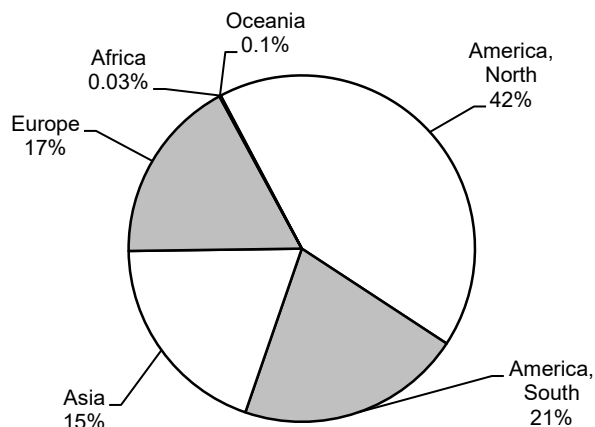


Figure 35: Production of energy from wastes by region, 2017

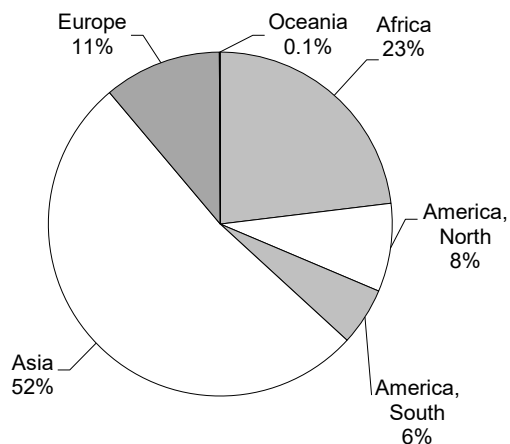


Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
World	2014	27,170,204	714,320	11,204,464	3,648,384	1,882,025	1,919,244
	2015	27,309,170	570,847	11,178,392	3,599,254	1,803,207	1,823,200
	2016	27,494,845	619,318	11,692,868	3,636,418	1,689,338	1,712,972
	2017	27,753,595	631,617	11,909,768	3,681,505	1,733,831	1,804,865
Africa	2014	9,819,273	155,408	3,045,649	198,954	4,000	1,179,344
	2015	9,997,914	158,639	3,114,001	185,240	4,066	1,100,076
	2016	10,092,845	162,193	3,205,252	183,299	4,066	1,073,552
	2017	10,217,294	164,873	3,285,938	181,704	4,066	1,109,226
Algeria	2014	251	..	..	..	..	..
	2015	292	..	..	..	..	..
	2016	283	..	..	..	..	..
	2017	484	..	..	..	..	..
Angola	2014	152,600	..	99,191	*1,629	..	31,890
	2015	154,892	..	100,681	*1,699	..	32,362
	2016	157,116	..	102,127	*3,058	..	32,834
	2017	159,283	..	103,536	*3,598	..	33,276
Benin	2014	105,118	..	2,847	252	..	15,429
	2015	110,625	..	2,973	252	..	14,131
	2016	101,255	..	3,061	252	..	14,426
	2017	110,360	..	3,818	*252	..	14,927
Botswana	2014	6,357	..	..	..	..	2,198
	2015	6,387	..	..	..	..	2,216
	2016	6,387	..	..	..	..	2,216
	2017	6,388	..	..	..	..	2,216
Burkina Faso	2014	123,505	..	..	633	..	19,311
	2015	125,268	..	..	633	..	19,850
	2016	126,702	..	..	633	..	20,345
	2017	128,164	..	..	*633	..	20,852
Burundi	2014	54,801	..	..	542	..	7,788
	2015	54,801	..	..	579	..	7,788
	2016	54,801	..	..	596	..	7,788
	2017	54,801	..	..	552	..	7,788
Cabo Verde	2014	1,501	..	..	..	..	19
	2015	*1,466	..	..	..	..	*19
	2016	*1,448	..	..	..	..	*19
	2017	*1,413	..	..	..	..	*19
Cameroon	2014	198,403	..	6,670	..	..	6,992
	2015	254,926	..	4,999	..	..	6,785
	2016	261,669	..	5,131	..	..	6,962
	2017	268,535	..	5,266	..	..	7,139
Central African Rep.	2014	18,270	..	..	..	..	6,097
	2015	18,270	..	..	..	..	6,209
	2016	18,270	..	..	..	..	6,308
	2017	18,270	..	..	..	..	6,408
Chad	2014	68,869	..	..	829	..	13,142
	2015	69,992	..	..	885	..	13,479
	2016	70,942	..	..	881	..	13,806
	2017	71,920	..	..	*914	..	14,131
Comoros	2014	2,689	..	..	..	..	1,307
	2015	2,758	..	..	..	..	1,342
	2016	2,817	..	..	..	..	1,372
	2017	2,877	..	..	..	..	1,404
Congo	2014	41,404	..	20,703	..	..	6,284
	2015	47,114	..	15,641	..	..	6,461
	2016	49,083	..	15,641	..	..	6,638
	2017	51,168	..	15,641	..	..	6,785

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
890,254	1,300,426	2,036,542	1,345,311	932,048	51,123,978
887,382	1,333,544	2,131,877	1,249,542	957,874	51,021,089
1,021,208	1,364,561	2,156,361	1,403,569	984,510	52,062,996
1,087,896	1,380,222	2,221,977	1,528,932	993,865	52,923,208
3,096	..	1,072	..	70	13,227,522
3,129	..	1,608	..	80	13,464,677
3,108	..	1,528	..	110	13,652,401
3,106	..	1,206	..	110	13,858,298
..	251
..	292
..	283
..	484
..	253,420
..	257,272
..	262,301
..	266,417
..	108,217
..	113,850
..	104,568
..	114,430
..	6,357
..	6,387
..	6,387
..	6,388
..	124,138
..	125,901
..	*36	127,372
..	*36	128,833
..	55,343
..	55,380
..	55,396
..	55,353
..	1,501
..	*1,466
..	*1,448
..	*1,413
..	205,073
..	7	259,932
..	7	266,807
..	7	273,807
..	18,270
..	18,270
..	18,270
..	18,270
..	69,697
..	70,877
..	71,824
..	72,834
..	2,689
..	2,758
..	2,817
..	2,877
..	62,107
..	62,755
..	64,724
..	66,809

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Côte d'Ivoire	2014	421,878	..	1,489	..	..	42,392
	2015	391,481	..	1,928	..	..	45,666
	2016	268,123	..	1,986	..	..	44,180
	2017	264,415	..	1,986	..	..	44,191
Dem. Rep. of the Congo	2014	1,096,788	..	5,824	..	..	112,189
	2015	1,135,176	..	6,028	..	..	116,112
	2016	1,174,908	..	6,229	..	..	120,183
	2017	1,176,516	..	3,014	..	..	120,360
Djibouti	2014	3,461	..	..	..	..	1,509
	2015	3,516	..	..	..	..	1,534
	2016	3,560	..	..	..	..	1,554
	2017	3,605	..	..	..	..	1,574
Egypt	2014	161,625	..	36,601	23,160	..	41,595
	2015	162,058	..	37,389	23,286	..	41,979
	2016	162,325	..	39,098	23,412	..	42,303
	2017	162,599	..	*39,098	*23,412	..	42,625
Equatorial Guinea	2014	4,083	..	..	..	..	295
	2015	4,083	..	..	..	..	295
	2016	4,083	..	..	..	..	310
	2017	4,083	..	..	..	..	310
Eritrea	2014	22,202	2,611	1,477	..	..	4,927
	2015	22,674	2,666	1,508	..	..	5,045
	2016	23,179	2,725	1,542	..	..	5,133
	2017	23,712	2,788	1,577	..	..	5,399
Eswatini	2014	10,277	..	..	17,336	*4,000	1,397
	2015	10,426	..	..	17,583	*4,066	1,434
	2016	10,526	..	..	14,757	*4,066	1,464
	2017	*10,628	..	..	*16,695	*4,066	277
Ethiopia	2014	975,143	145,318	142,440	9,946	..	139,172
	2015	988,160	149,058	146,106	8,811	..	39,648
	2016	999,269	152,834	149,807	8,934	..	38,822
	2017	999,269	156,058	156,058	*8,958	..	39,796
Gabon	2014	*49,786	..	3,048	598	..	643
	2015	*49,968	..	3,104	592	..	655
	2016	*50,000	..	3,556	705	..	667
	2017	*50,778	..	3,637	*618	..	676
Gambia	2014	6,687	..	..	..	..	1,894
	2015	6,773	..	..	..	..	1,936
	2016	6,846	..	..	..	..	1,972
	2017	6,921	..	..	..	..	2,008
Ghana	2014	99,627	..	..	..	..	43,976
	2015	99,322	..	..	..	..	43,843
	2016	98,907	..	..	..	..	43,695
	2017	107,237	..	..	..	..	46,197
Guinea	2014	111,209	..	..	579	..	11,209
	2015	111,730	..	..	604	..	11,455
	2016	112,050	..	..	629	..	11,679
	2017	112,388	..	..	629	..	11,907
Guinea-Bissau	2014	25,141	..	..	..	..	2,075
	2015	25,499	..	..	..	..	2,124
	2016	25,808	..	..	..	..	2,172
	2017	26,119	..	..	..	..	2,221
Kenya	2014	593,629	..	23,393	14,640	..	188,422
	2015	545,871	..	24,139	15,393	..	191,316
	2016	520,065	..	25,223	14,616	..	135,818
	2017	515,908	..	26,055	14,367	..	151,040

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	423,367
..	393,409
..	270,109
..	266,401
..	1,102,612
..	1,141,204
..	1,181,137
..	1,179,530
..	3,461
..	3,516
..	3,560
..	3,605
..	221,386
..	222,733
..	224,835
..	225,109
..	4,083
..	4,083
..	4,083
..	4,083
..	26,290
..	26,848
..	27,446
..	28,077
..	31,613
..	32,075
..	29,349
..	*31,389
..	..	214	..	..	1,273,061
..	..	134	..	..	1,292,269
..	..	134	..	..	1,310,978
..	..	161	..	..	1,320,502
..	*53,432
..	*53,665
..	*54,261
..	*55,033
..	6,687
..	6,773
..	6,846
..	6,921
..	99,627
..	99,322
..	98,907
..	107,237
..	111,789
..	112,334
..	112,679
..	113,017
..	25,141
..	25,499
..	25,808
..	26,119
..	631,662
..	585,403
..	559,903
..	556,330

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Lesotho	2014	*12,956	*5,535	*1,340	..	..	3,065
	2015	*12,163	*5,022	*1,371	..	..	1,027
	2016	*11,370	*4,508	*1,375	..	..	1,145
	2017	10,576	3,995	1,441	..	..	510
Liberia	2014	73,480	..	..	..	..	8,010
	2015	76,056	..	..	..	..	8,309
	2016	78,534	..	..	..	..	8,595
	2017	81,091	..	..	..	..	8,891
Libya	2014	6,333	..	..	..	..	..
	2015	6,352	..	..	..	..	..
	2016	6,424	..	..	..	..	..
	2017	6,016	..	..	..	..	..
Madagascar	2014	*196,541	..	..	1,440	..	*28,025
	2015	203,203	..	..	2,189	..	*25,665
	2016	256,698	..	..	2,726	..	23,655
	2017	266,494	..	..	2,851	..	24,702
Malawi	2014	51,711	..	..	7,552	..	15,919
	2015	52,350	..	..	7,300	..	16,309
	2016	52,882	..	..	6,772	..	16,674
	2017	53,435	..	..	6,772	..	17,047
Mali	2014	50,860	..	..	1,259	..	5,045
	2015	51,439	..	..	1,259	..	8,113
	2016	51,896	..	..	1,009	..	8,375
	2017	52,353	..	..	*1,004	..	9,853
Mauritania	2014	18,325	..	..	..	..	6,086
	2015	18,736	..	..	..	..	6,245
	2016	19,092	..	..	..	..	6,390
	2017	19,448	..	..	..	..	6,534
Mauritius	2014	164	..	..	9,336	..	18
	2015	155	..	..	11,104	..	18
	2016	154	..	..	9,946	..	15
	2017	153	..	..	9,382	..	15
Morocco	2014	39,302	..	..	703	..	561
	2015	39,335	..	..	718	..	561
	2016	63,752	..	..	*718	..	561
	2017	63,022	..	..	*718	..	590
Mozambique	2014	271,040	..	18,798	10,572	..	21,063
	2015	275,940	..	19,324	9,313	..	27,730
	2016	263,550	..	20,088	8,811	..	41,979
	2017	262,416	..	20,673	*8,046	..	45,017
Namibia	2014	12,458	..	1,449	..	..	4,278
	2015	13,419	..	1,449	..	..	4,750
	2016	13,419	..	1,449	..	..	4,750
	2017	13,711	..	1,481	..	..	4,868
Niger	2014	*60,071	*500	*405	..	..	*1,420
	2015	63,457	*510	*410	..	..	1,486
	2016	65,581	*510	*410	..	..	1,535
	2017	*54,496	*510	*410	..	..	*1,593
Nigeria	2014	2,280,672	..	2,265,139	158	..	114,077
	2015	2,341,574	..	2,325,740	378	..	117,115
	2016	2,388,629	..	2,387,458	503	..	119,357
	2017	2,445,144	..	2,450,305	*507	..	122,130
Rwanda	2014	*83,129	..	..	252	..	*17,995
	2015	*83,476	..	..	126	..	*18,113
	2016	*83,476	..	..	126	..	*18,113
	2017	*84,179	..	..	*130	..	*18,349

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	*19,832
..	*18,556
..	*17,254
..	16,012
..	73,480
..	76,056
..	78,534
..	81,091
..	6,333
..	6,352
..	6,424
..	6,016
..	*197,981
..	205,392
..	259,423
..	269,345
*98	59,361
*98	59,748
*99	59,753
*98	60,305
..	52,119
..	52,698
..	52,905
..	53,357
..	18,325
..	18,736
..	19,092
..	19,448
..	*70	9,570
..	73	11,333
..	67	10,167
..	67	9,602
2,998	43,003
3,031	43,084
3,009	67,480
3,008	66,748
..	300,410
..	304,577
..	292,449
..	291,136
..	13,907
..	14,868
..	14,868
..	15,192
..	*60,976
..	64,377
..	66,501
..	*55,416
..	4,545,969
..	4,667,692
..	4,776,590
..	4,895,957
..	*83,380
..	*83,602
..	*83,602
..	*84,309

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Sao Tome and Principe	2014	959	..	..	..	..	276
	2015	1,023	..	..	..	..	280
	2016	1,029	..	..	..	..	283
	2017	1,033	..	..	..	..	286
Senegal	2014	71,649	..	1,053	2,120	..	11,918
	2015	73,876	..	1,085	2,186	..	10,148
	2016	60,730	..	1,136	2,845	..	8,526
	2017	61,944	..	931	3,050	..	8,703
Seychelles	2014	29	..	..	..	..	..
	2015	29	..	..	..	..	..
	2016	29	..	..	..	..	..
	2017	29	..	..	..	..	..
Sierra Leone	2014	52,517	..	..	201	..	12,449
	2015	52,965	..	*72	201	..	12,744
	2016	53,330	..	*72	201	..	13,039
	2017	53,723	..	*72	201	..	13,334
Somalia	2014	128,241	..	..	579	..	35,022
	2015	128,241	..	..	579	..	34,854
	2016	135,387	..	..	579	..	36,127
	2017	138,909	..	..	*527	..	37,447
South Africa	2014	229,431	..	67,754	53,287	..	41,890
	2015	218,908	..	67,866	41,000	..	39,412
	2016	221,774	..	67,991	39,817	..	41,831
	2017	221,746	..	69,570	*39,817	..	41,300
South Sudan	2014	8,400	..	..	..	..	325
	2015	8,022	..	..	..	..	325
	2016	8,103	..	..	..	..	325
	2017	6,890	..	..	..	..	266
St. Helena and Depend.	2014	*5	..	..	..	..	..
	2015	*5	..	..	..	..	..
	2016	*5	..	..	..	..	..
	2017	*5	..	..	..	..	..
Sudan	2014	137,463	..	41,639	*18,263	..	17,346
	2015	138,952	..	42,739	*16,425	..	17,346
	2016	139,884	..	47,319	*16,711	..	17,346
	2017	140,834	..	*47,697	*16,711	..	17,346
Togo	2014	108,832	..	1,291	..	..	19,736
	2015	111,662	..	1,325	..	..	20,097
	2016	114,507	..	1,359	..	..	20,739
	2017	117,398	..	1,393	..	..	21,270
Tunisia	2014	34,384	1,444	4,074	..	..	6,136
	2015	34,558	1,383	3,800	..	..	6,284
	2016	39,262	1,616	4,370	..	..	6,431
	2017	39,427	1,523	4,370	..	..	6,579
Uganda	2014	543,816	..	..	*17,375	..	30,604
	2015	567,076	..	..	*16,603	..	31,439
	2016	587,576	..	..	*18,170	..	31,439
	2017	*596,729	..	..	*15,321	..	32,991
United Rep. of Tanzania	2014	529,310	..	137,635	396	..	43,719
	2015	538,053	..	142,010	378	..	45,076
	2016	545,532	..	146,786	378	..	46,345
	2017	553,309	..	151,377	384	..	47,643
Zambia	2014	273,675	..	46,218	*3,243	..	31,949
	2015	290,383	..	44,229	*3,321	..	32,686
	2016	319,839	..	49,669	*3,398	..	37,052
	2017	330,083	..	51,175	*3,475	..	38,173

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	959
..	1,023
..	1,029
..	1,033
..	74,822
..	77,147
..	64,711
..	65,925
..	29
..	29
..	29
..	29
..	52,718
..	53,238
..	53,603
..	53,996
..	128,820
..	128,820
..	135,966
..	139,436
..	350,472
..	327,774
..	329,582
..	331,133
..	8,400
..	8,022
..	8,103
..	6,890
..	*5
..	*5
..	*5
..	*5
..	197,365
..	198,116
..	203,914
..	205,242
..	110,123
..	112,987
..	115,866
..	118,791
..	39,902
..	39,741
..	45,248
..	45,320
..	561,191
..	583,678
..	605,746
..	*612,049
..	667,341
..	680,441
..	692,696
..	705,069
..	323,136
..	337,933
..	372,906
..	384,733

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Zimbabwe	2014	188,213	..	115,171	2,074	..	266
	2015	192,976	..	118,085	1,843	..	266
	2016	199,977	..	122,369	2,117	..	266
	2017	204,860	..	125,357	2,180	..	266
America, North	2014	1,474,642	402,196	736,900	304,692	1,012,729	77,165
	2015	1,490,281	259,206	662,199	313,881	923,276	74,211
	2016	1,653,910	301,150	562,985	353,627	797,071	71,479
	2017	1,713,281	308,947	537,241	392,909	808,160	71,425
Anguilla	2014	*2	..	..	..	..	..
	2015	*2	..	..	..	..	..
	2016	*2	..	..	..	..	..
	2017	*2	..	..	..	..	..
Aruba	2014	18	..	..	..	..	6
	2015	19	..	..	..	..	6
	2016	20	..	..	..	..	6
	2017	20	..	..	..	..	7
Bahamas	2014	307	..	..	..	..	33
	2015	308	..	..	..	..	33
	2016	308	..	..	..	..	33
	2017	309	..	..	..	..	34
Barbados	2014	45	..	..	463	..	9
	2015	44	..	..	455	..	9
	2016	44	..	..	462	..	9
	2017	44	..	..	436	..	9
Belize	2014	1,151	..	..	3,228	..	22
	2015	1,151	..	..	3,433	..	23
	2016	1,151	..	..	3,429	..	23
	2017	1,032	..	..	4,270	..	23
Bermuda	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
British Virgin Islands	2014	14	..	..	..	..	2
	2015	14	..	..	..	..	2
	2016	14	..	..	..	..	2
	2017	14	..	..	..	..	2
Canada	2014	318,669	..	..	..	189,184	..
	2015	316,824	..	..	..	187,758	..
	2016	285,378	..	..	..	180,428	..
	2017	312,305	..	..	..	175,549	..
Costa Rica	2014	11,254	..	4,851	11,447	..	47
	2015	11,053	..	4,279	11,269	..	57
	2016	10,349	..	4,298	11,269	..	45
	2017	10,284	..	3,939	10,669	..	30
Cuba	2014	10,931	..	*88	35,554	..	3,685
	2015	9,858	..	*88	38,163	..	2,227
	2016	10,111	..	*88	29,295	..	2,726
	2017	9,638	..	*88	40,413	..	2,272
Dominica	2014	69	..	..	..	..	7
	2015	69	..	..	..	..	7
	2016	68	..	..	..	..	7
	2017	68	..	..	..	..	7
Dominican Republic	2014	9,939	..	..	9,592	..	1,528
	2015	10,140	..	..	8,138	..	1,596
	2016	10,313	..	..	9,229	..	1,658
	2017	10,446	..	..	11,410	..	1,720

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	858	..	..	306,316
..	..	1,474	..	..	314,378
..	..	1,394	..	..	325,857
..	..	1,045	..	..	333,442
64,987	303,525	1,179,440	166,557	202,442	5,848,110
56,942	302,643	1,217,602	164,790	197,372	5,588,192
51,550	311,437	1,265,704	206,117	174,288	5,677,839
48,394	299,995	1,307,654	208,582	175,683	5,800,846
..	..	..	..	..	*2
..	..	..	..	..	*2
..	..	..	..	..	*2
..	..	..	..	..	*2
..	..	..	..	..	18
..	..	..	..	..	19
..	..	..	..	..	20
..	..	..	..	..	20
..	..	..	..	..	307
..	..	..	..	..	308
..	..	..	..	..	308
..	..	..	..	..	309
..	..	..	..	..	507
..	..	..	..	..	499
..	..	..	..	..	506
..	..	..	..	..	479
..	..	..	..	..	4,379
..	..	..	..	..	4,584
..	..	..	..	..	4,580
..	..	..	..	..	5,302
..	*605	..	..	..	*605
..	*605	..	..	..	*605
..	*605	..	..	..	*605
..	*590	..	..	..	*590
..	..	..	..	..	14
..	..	..	..	..	14
..	..	..	..	..	14
..	..	..	..	..	14
5,606	7,658	37,413	9,826	16,977	585,332
5,783	7,658	36,368	9,973	16,977	581,340
5,960	7,658	35,939	13,984	16,977	546,324
6,137	7,147	36,475	13,027	16,977	567,617
..	..	705	..	4	28,261
..	..	705	..	4	27,310
..	..	630	..	4	26,550
..	..	625	..	9	25,526
..	..	372	..	..	46,945
..	..	*348	..	..	48,457
..	..	*348	..	..	39,841
..	..	*348	..	..	50,487
..	..	..	..	..	69
..	..	..	..	..	69
..	..	..	..	..	68
..	..	..	..	..	68
..	..	..	..	..	19,531
..	..	..	..	..	18,278
..	..	..	..	..	19,541
..	..	..	..	..	21,856

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
El Salvador	2014	16,109	..	..	7,637	..	1,002
	2015	14,411	..	..	9,876	..	1,013
	2016	11,568	..	..	11,424	..	775
	2017	11,334	..	..	14,073	..	837
Greenland	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Grenada	2014	354	..	..	20	..	59
	2015	359	..	..	20	..	61
	2016	363	..	..	20	..	63
	2017	377	..	..	21	..	65
Guatemala	2014	199,158	..	..	56,283	..	2,095
	2015	188,300	..	..	55,979	..	1,682
	2016	223,935	..	..	85,152	..	1,711
	2017	237,545	..	..	53,779	..	1,800
Haiti	2014	134,364	..	..	931	..	38,232
	2015	137,436	..	..	958	..	37,052
	2016	139,415	..	..	972	..	37,583
	2017	141,050	..	..	983	..	38,026
Honduras	2014	83,804	..	..	11,974	..	9
	2015	90,423	..	..	14,904	..	15
	2016	86,356	..	..	20,286	..	9
	2017	88,753	..	..	17,116	..	3
Jamaica	2014	2,010	..	..	3,986	..	1,133
	2015	2,010	..	..	3,660	..	1,133
	2016	2,010	..	..	2,868	..	1,133
	2017	*2,010	..	..	1,965	..	1,133
Mexico	2014	254,274	..	37,708	71,125	0	..
	2015	253,164	..	37,151	68,415	1	..
	2016	251,887	..	38,276	70,264	3	..
	2017	250,601	..	0	126,554	6	..
Nicaragua	2014	41,935	..	4,775	15,695	..	207
	2015	42,000	..	4,899	16,735	..	207
	2016	45,266	..	4,067	14,221	..	443
	2017	41,921	..	3,592	16,805	..	207
Panama	2014	7,191	..	..	4,901	..	38
	2015	7,146	..	..	4,764	..	36
	2016	7,102	..	..	6,319	..	35
	2017	7,059	..	..	5,997	..	34
St. Lucia	2014	90	..	..	..	..	10
	2015	90	..	..	..	..	11
	2016	89	..	..	..	..	10
	2017	88	..	..	..	..	11
St. Pierre-Miquelon	2014	5	..	..	..	..	..
	2015	5	..	..	..	..	..
	2016	5	..	..	..	..	..
	2017	5	..	..	..	..	..
St. Vincent-Grenadines	2014	67	..	..	..	..	11
	2015	66	..	..	..	..	11
	2016	66	..	..	..	..	11
	2017	65	..	..	..	..	11
Trinidad and Tobago	2014	289	..	..	..	..	59
	2015	286	..	..	..	..	59
	2016	284	..	..	..	..	59
	2017	281	..	..	..	..	59

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	412	24,158
..	589	24,876
..	531	23,523
..	526	25,933
..	92	..	..	..	92
..	98	..	..	..	98
..	94	..	..	..	94
..	94	..	..	..	94
..	374
..	379
..	383
..	397
..	255,441
..	244,279
..	309,086
..	291,324
..	135,295
..	138,394
..	140,387
..	142,033
..	95,778
..	105,327
..	106,642
..	105,869
..	5,996
..	5,669
..	4,878
..	*3,975
861	1,939	365,907
473	1,961	361,165
552	1,912	362,894
897	2,265	380,323
..	62,405
..	63,634
..	63,554
..	62,317
..	12,092
..	11,910
..	13,421
..	13,056
..	90
..	90
..	89
..	88
..	5
..	5
..	5
..	5
..	67
..	66
..	66
..	65
..	289
..	286
..	284
..	281

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Turks and Caicos Islands	2014	10	..	..	..	..	4
	2015	10	..	..	..	..	4
	2016	11	..	..	..	..	4
	2017	11	..	..	..	..	4
United States	2014	382,583	*402,196	*689,479	71,854	*823,545	28,969
	2015	405,092	*259,206	*615,782	77,113	*735,517	28,969
	2016	567,795	*301,150	*516,257	88,418	*616,640	25,134
	2017	588,020	*308,947	*529,623	*88,418	*632,605	25,134
America, South	2014	1,573,598	..	644,180	1,468,015	112,753	226,896
	2015	1,569,553	..	709,018	1,468,250	126,327	224,693
	2016	1,510,270	..	768,721	1,514,783	158,880	196,028
	2017	1,535,555	..	836,491	1,506,281	160,297	203,130
Argentina	2014	32,738	..	..	44,587	..	11,387
	2015	34,816	..	..	41,406	..	12,331
	2016	34,652	..	..	42,711	..	11,771
	2017	34,873	..	..	49,522	..	11,977
Bolivia (Plur. State of)	2014	13,151	..	31	30,311	..	1,062
	2015	13,725	..	58	31,460	..	1,062
	2016	13,529	..	146	33,447	..	1,062
	2017	8,364	..	242	33,305	..	1,062
Brazil	2014	1,005,206	..	574,738	1,244,602	..	191,957
	2015	1,006,403	..	648,338	1,255,521	..	190,098
	2016	935,588	..	710,063	1,301,691	..	163,578
	2017	969,845	..	780,513	1,278,872	..	167,767
Chile	2014	240,937	..	..	..	65,771	2,124
	2015	237,262	..	..	..	64,768	2,154
	2016	227,188	..	..	..	94,908	1,918
	2017	241,105	..	..	..	93,577	3,629
Colombia	2014	67,046	..	6,488	94,375	12,069	885
	2015	65,155	..	327	90,232	12,437	590
	2016	95,710	..	427	89,772	12,681	295
	2017	78,259	..	467	96,077	12,900	590
Ecuador	2014	11,730	..	..	11,359	..	..
	2015	10,834	..	..	12,033	..	..
	2016	10,596	..	..	12,524	..	..
	2017	10,378	..	..	14,103	..	..
Falkland Is. (Malvinas)	2014	7	..	..	..	..	3
	2015	7	..	..	..	..	3
	2016	8	..	..	..	..	3
	2017	8	..	..	..	..	3
Guyana	2014	1,277	..	..	5,540	..	50
	2015	1,228	..	..	5,998	..	47
	2016	1,073	..	..	5,587	..	42
	2017	1,057	..	..	5,552	..	43
Paraguay	2014	92,418	..	23,412	..	..	13,381
	2015	94,953	..	23,530	..	..	12,686
	2016	89,777	..	24,563	..	..	12,139
	2017	92,837	..	23,335	..	..	13,103
Peru	2014	69,855	..	6,520	23,127	..	5,841
	2015	66,494	..	6,021	20,733	..	5,517
	2016	65,032	..	5,967	19,880	..	5,015
	2017	61,497	..	5,269	20,938	..	4,750
Suriname	2014	1,028	..	*823	0	..	..
	2015	1,220	..	821	..	..	..
	2016	914	..	735	..	..	..
	2017	915	..	736	..	..	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	10
..	10
..	11
..	11
58,520	295,170	1,140,950	156,731	183,110	4,204,138
50,686	294,282	1,180,181	154,818	177,841	3,950,517
45,038	303,080	1,228,787	192,133	154,864	4,014,162
41,360	292,164	1,270,206	195,555	155,906	4,102,804
..	..	617,297	226,713	3,503	4,646,059
..	..	663,917	215,642	5,135	4,757,842
..	..	624,849	241,868	5,364	4,824,735
..	..	635,337	263,917	4,974	4,942,852
..	..	14,231	94,686	..	186,243
..	..	17,286	66,645	..	160,152
..	..	18,867	97,851	..	194,082
..	..	23,450	105,653	..	213,498
..	43,493
..	45,243
..	47,122
..	41,911
..	..	588,126	110,753	..	3,523,425
..	..	629,693	127,496	..	3,667,450
..	..	588,850	123,092	..	3,659,283
..	..	594,799	138,960	..	3,762,989
..	2,325	309,033
..	3,671	305,701
..	3,747	325,843
..	3,849	338,531
..	..	7,501	19,713	..	207,192
..	..	8,241	19,533	..	195,925
..	..	8,087	19,199	..	225,876
..	..	7,240	17,538	..	212,481
..	..	327	..	342	23,759
..	..	560	..	479	23,906
..	..	755	..	282	24,156
..	..	1,366	..	567	26,415
..	7
..	7
..	8
..	8
..	6,817
..	7,226
..	6,661
..	6,609
..	..	4,279	..	..	120,110
..	..	5,069	..	..	123,552
..	..	6,259	..	..	120,599
..	..	6,479	..	..	122,651
..	..	1,927	103	836	102,368
..	..	1,552	118	985	95,902
..	..	364	4	1,335	92,582
..	..	515	66	558	88,842
..	1,850
..	2,040
..	1,649
..	1,650

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Uruguay	2014	26,031	..	11,207	1,149	34,913	..
	2015	25,245	..	10,267	1,050	49,122	..
	2016	25,176	..	10,399	863	51,291	..
	2017	25,060	..	11,807	882	53,820	..
Venezuela (Bolivar. Rep.)	2014	12,174	..	20,961	12,965	..	207
	2015	12,211	..	19,657	9,818	..	207
	2016	11,027	..	16,422	8,307	..	207
	2017	11,358	..	14,123	*7,029	..	207
Asia	2014	10,853,350	138,420	6,493,139	1,538,111	211,714	424,767
	2015	10,650,346	141,468	6,356,592	1,480,786	202,695	412,962
	2016	10,512,553	143,818	6,851,637	1,432,315	158,475	359,125
	2017	10,534,732	145,425	6,919,178	1,434,262	178,391	406,684
Afghanistan	2014	16,063	..	..	..	..	3,714
	2015	16,368	..	..	..	..	3,821
	2016	16,660	..	..	..	..	3,927
	2017	16,960	..	..	..	..	4,037
Armenia	2014	16,279	..	..	..	..	..
	2015	5,088	1,377	..	..	..	..
	2016	6,194	2,311	..	..	..	..
	2017	6,082	2,556	..	..	..	..
Azerbaijan	2014	3,289	..	..	..	..	177
	2015	3,088	..	..	..	..	177
	2016	1,270	..	..	..	..	6
	2017	1,380	..	..	..	..	6
Bahrain	2014	63	..	..	..	..	33
	2015	64	..	..	..	..	33
	2016	65	..	..	..	..	34
	2017	66	..	..	..	..	34
Bangladesh	2014	243,561	118,558	225,660	2,769	..	9,850
	2015	242,179	119,987	228,381	1,762	..	9,922
	2016	239,844	121,178	230,649	1,888	..	9,947
	2017	237,541	122,456	232,777	1,753	..	9,972
Bhutan	2014	46,216	..	..	..	..	207
	2015	46,722	..	..	..	..	207
	2016	47,088	..	..	..	..	207
	2017	47,457	..	..	..	..	207
Brunei Darussalam	2014	107	..	..	..	..	9
	2015	106	..	..	..	..	9
	2016	106	..	..	..	..	9
	2017	106	..	..	..	..	10
Cambodia	2014	171,447	..	201	..	..	26,403
	2015	176,140	..	545	..	..	26,845
	2016	180,792	..	1,118	..	..	27,229
	2017	185,783	..	1,132	..	..	27,642
China	2014	1,604,309	..	1,572,324	315,409	..	49,773
	2015	1,574,744	..	1,580,328	258,327	..	49,090
	2016	1,545,363	..	1,613,903	251,547	..	49,090
	2017	1,517,369	..	1,753,712	259,293	..	48,689
China, Macao SAR	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Cyprus	2014	105	..	198	..	..	30
	2015	150	..	121	..	..	30
	2016	241	..	146	..	..	59
	2017	253	..	175	..	..	59

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	906	1,457	..	75,663
..	..	1,517	1,851	..	89,052
..	..	1,667	1,722	..	91,118
..	..	1,487	1,700	..	94,756
..	..	..	..	..	46,100
..	..	..	..	..	41,686
..	..	..	..	..	35,756
..	..	..	..	..	32,510
465,817	185,220	124,990	478,960	66,928	20,556,649
446,003	196,094	137,473	411,237	63,404	20,086,098
546,826	166,868	147,316	505,815	74,528	20,540,151
630,900	165,235	157,911	546,421	81,120	20,793,577
..	..	..	..	..	16,063
..	..	..	..	..	16,368
..	..	..	..	..	16,660
..	..	..	..	..	16,960
..	..	..	..	..	16,279
..	..	..	..	..	6,465
..	..	..	..	..	8,505
..	..	..	..	..	8,638
..	2,628	..	..	..	5,917
..	3,037	..	..	..	6,125
..	2,772	..	..	..	4,042
..	2,782	..	..	..	4,162
..	..	..	..	..	63
..	..	..	..	..	64
..	..	..	..	..	65
..	..	..	..	..	66
..	..	..	..	..	590,548
..	..	..	..	..	592,309
..	..	..	..	..	593,559
..	..	..	..	..	594,527
..	..	..	..	..	46,216
..	..	..	..	..	46,722
..	..	..	..	..	47,088
..	..	..	..	..	47,457
..	..	..	..	..	107
..	..	..	..	..	106
..	..	..	..	..	106
..	..	..	..	..	106
..	..	..	..	..	171,648
..	..	..	..	..	176,685
..	..	..	..	..	181,910
..	..	..	..	..	186,915
233,878	..	87,920	241,445	..	4,055,285
200,666	..	93,543	256,893	..	3,964,501
213,297	..	100,307	275,474	..	3,999,891
252,365	..	*106,664	321,757	..	4,211,159
..	*4,698	..	..	..	*4,698
..	*4,968	..	..	..	*4,968
..	*5,292	..	..	..	*5,292
..	*5,616	..	..	..	*5,616
273	13	..	0	475	1,064
124	24	..	37	471	927
197	9	..	0	492	1,085
122	37	..	37	504	1,128

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Georgia	2014	22,607	67	100	..	..	..
	2015	19,408	48	78	..	..	..
	2016	18,747	102	123	..	..	..
	2017	17,702	103	59	..	..	..
India	2014	3,750,397	..	3,629,601	655,230	..	90,890
	2015	3,612,485	..	3,567,415	726,800	..	87,114
	2016	3,654,193	..	3,784,803	624,165	..	85,668
	2017	3,754,412	..	3,752,455	631,235	..	113,664
Indonesia	2014	1,884,621	..	481,657	65,411	..	21,624
	2015	1,920,460	..	386,296	63,061	..	14,131
	2016	1,935,789	..	385,493	56,012	..	22,096
	2017	1,943,005	..	388,084	*49,751	..	26,609
Iran (Islamic Rep. of)	2014	73,994	1,175	7,500	..	..	30
	2015	73,994	1,175	7,500	..	..	27
	2016	*73,994	*1,175	8,400	..	..	30
	2017	*73,994	*1,175	8,715	..	..	0
Iraq	2014	1,856	..	..	..	..	738
	2015	1,935	..	..	..	..	767
	2016	2,148	..	..	..	..	856
	2017	1,982	..	..	..	..	797
Israel	2014	*183	..	..	..	..	..
	2015	*183	..	..	..	..	..
	2016	*183	..	..	..	..	..
	2017	183	..	..	..	..	..
Japan	2014	50,328	..	67,978	3,147	185,782	354
	2015	58,175	..	68,386	3,147	183,076	354
	2016	68,080	..	69,938	*3,151	139,603	354
	2017	77,970	..	74,928	*3,151	158,638	354
Jordan	2014	3,051	..	..	..	..	1,315
	2015	3,133	..	..	..	..	1,350
	2016	3,197	..	..	..	..	1,380
	2017	3,261	..	..	..	..	1,410
Kazakhstan	2014	2,202	..	..	..	..	14
	2015	2,202	..	..	..	..	14
	2016	2,202	..	..	..	..	30
	2017	2,202	..	..	..	..	59
Korea, Dem.Ppl's.Rep.	2014	45,918	..	..	..	..	4,779
	2015	46,152	..	..	..	..	4,809
	2016	46,381	..	..	..	..	4,838
	2017	46,604	..	..	..	..	4,897
Korea, Republic of	2014	74,353	..	0	..	13,494	..
	2015	69,022	..	0	..	9,672	..
	2016	67,887	..	0	..	9,581	..
	2017	77,939	..	0	..	7,172	..
Kuwait	2014	176	..	..	..	..	87
	2015	181	..	..	..	..	89
	2016	183	..	..	..	..	90
	2017	185	..	..	..	..	91
Kyrgyzstan	2014	130	..	..	..	..	..
	2015	130	..	..	..	..	..
	2016	43	..	..	..	..	..
	2017	60	..	..	..	..	..
Lao People's Dem. Rep.	2014	52,683	..	..	2,392	..	5,879
	2015	53,348	..	..	3,147	..	6,050
	2016	*52,920	..	..	3,147	..	*6,048
	2017	*53,063	..	..	*3,286	..	*6,048

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	0	22,774
..	0	19,534
..	0	18,972
..	17,864
..	8,035,228
..	7,906,700
..	8,063,161
..	8,138,102
..	157,195	..	2,588,884
..	65,600	..	2,435,417
..	145,091	..	2,522,386
..	135,568	..	2,516,408
..	127	82,796
..	127	82,796
..	282	*83,851
..	288	*84,172
..	1,856
..	1,935
..	2,148
..	1,982
..	593	776
..	559	742
..	795	978
..	960	1,143
153,076	51,998	375	478	1,458	514,620
155,149	52,048	54	515	1,675	522,225
221,960	31,100	54	442	5,844	540,171
241,881	28,752	0	442	4,495	590,256
..	72	3,123
..	90	3,223
..	100	3,297
..	100	3,361
..	2,202
..	2,202
..	2,202
..	2,202
..	45,918
..	46,152
..	46,381
..	46,604
78,446	36,953	5,261	13,579	9,330	231,416
88,702	40,708	8,686	15,198	7,726	239,714
109,305	39,467	10,823	17,995	6,955	262,013
134,086	39,798	9,426	19,320	7,333	295,074
..	176
..	181
..	183
..	185
..	130
..	130
..	43
..	60
..	55,074
..	56,495
..	*56,067
..	*56,349

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Lebanon	2014	4,979	..	..	..	..	295
	2015	4,971	..	..	..	..	295
	2016	4,971	..	..	..	..	295
	2017	*4,971	..	..	..	..	295
Malaysia	2014	23,925	..	9,346	226	..	861
	2015	23,526	..	9,878	226	..	864
	2016	23,146	..	9,878	2,394	..	864
	2017	22,780	..	*8,196	*2,394	..	864
Maldives	2014	147	..	..	..	..	25
	2015	148	..	..	..	..	25
	2016	149	..	..	..	..	25
	2017	149	..	..	..	..	26
Mongolia	2014	5,481	..	..	..	..	..
	2015	5,481	..	..	..	..	..
	2016	5,481	..	..	..	..	..
	2017	5,481	..	..	..	..	..
Myanmar	2014	424,013	..	25,478	*2,355	..	826
	2015	426,663	..	25,637	2,494	..	856
	2016	429,209	..	25,790	*2,494	..	856
	2017	431,655	..	25,937	*2,494	..	856
Nepal	2014	381,166	18,087	14,811	17,082	..	2,419
	2015	351,623	18,338	17,333	11,688	..	325
	2016	355,127	18,504	17,505	11,729	..	325
	2017	361,178	18,579	17,804	11,821	..	325
Oman	2014	402	..	..	..	..	194
	2015	414	..	..	..	..	200
	2016	425	..	..	..	..	205
	2017	425	..	..	..	..	205
Other Asia	2014	10,383	..	..	..	..	..
	2015	16,624	..	..	..	..	..
	2016	5,821	..	..	..	..	..
	2017	6,281	..	..	..	..	..
Pakistan	2014	269,784	..	*168,500	135,592	..	2,358
	2015	269,784	..	*172,034	126,411	..	2,418
	2016	269,784	..	*175,506	141,268	..	2,466
	2017	269,784	..	*178,970	*141,268	..	2,516
Philippines	2014	177,028	533	39,662	19,243	..	54,481
	2015	175,999	543	39,317	22,365	..	55,976
	2016	171,236	549	38,750	27,819	..	58,690
	2017	170,958	557	38,808	32,046	..	60,800
Qatar	2014	47	..	..	..	..	23
	2015	47	..	..	..	..	23
	2016	47	..	..	..	..	23
	2017	47	..	..	..	..	23
Singapore	2014	280	..	..	..	..	*148
	2015	276	..	..	..	..	146
	2016	271	..	..	..	..	143
	2017	267	..	..	..	..	141
Sri Lanka	2014	159,976	..	..	1,148	..	..
	2015	156,317	..	..	1,517	..	..
	2016	150,651	..	..	1,862	..	..
	2017	148,807	..	..	1,470	..	..
State of Palestine	2014	3,332	..	726	..	..	..
	2015	3,135	..	*625	..	..	..
	2016	3,460	..	564	..	..	..
	2017	3,394	..	588	..	..	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	..	..	..	4,979
..	..	..	..	..	4,971
..	..	..	..	..	4,971
..	..	..	..	..	*4,971
..	..	..	22,522	..	56,019
..	..	..	24,766	..	58,396
..	..	..	18,437	..	53,855
..	..	..	15,051	..	48,421
..	..	..	..	..	147
..	..	..	..	..	148
..	..	..	..	..	149
..	..	..	..	..	149
..	..	..	..	..	5,481
..	..	..	..	..	5,481
..	..	..	..	..	5,481
..	..	..	..	..	5,481
..	..	..	..	..	451,846
..	..	..	..	..	454,794
..	..	..	..	..	457,493
..	..	..	..	..	460,086
..	..	..	..	6,711	437,857
..	..	..	..	11,688	410,670
..	..	..	..	11,729	414,594
..	..	..	..	11,821	421,203
..	..	..	..	..	402
..	..	..	..	..	414
..	..	..	..	..	425
..	..	..	..	..	425
..	55,156	3,091	..	224	68,854
..	57,016	2,273	..	200	76,113
..	55,950	0	..	269	62,040
..	56,798	8	..	272	63,359
..	..	..	..	..	573,876
..	..	..	..	..	568,229
..	..	..	..	..	586,558
..	..	..	..	..	*590,022
..	1,640	4,357	5,285	..	247,747
..	955	6,172	6,496	..	251,848
..	447	8,314	7,050	..	254,165
..	527	8,608	6,591	..	258,095
..	..	..	..	..	47
..	..	..	..	..	47
..	..	..	..	..	47
..	..	..	..	..	47
..	27,063	..	..	..	27,344
..	27,830	..	..	..	28,105
..	27,436	..	..	..	27,707
..	26,742	..	..	..	27,009
..	..	..	..	..	161,123
..	..	..	..	..	157,833
..	..	..	..	..	152,512
..	..	..	..	..	150,277
..	..	..	..	..	4,058
..	..	..	..	..	3,760
..	..	..	..	..	4,024
..	..	..	..	..	3,983

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Syrian Arab Republic	2014	285	..	..	..	..	30
	2015	238	..	..	..	..	30
	2016	236	..	..	..	..	30
	2017	234	..	..	..	..	30
Tajikistan	2014	*50,225	..	..	..	..	..
	2015	*50,225	..	..	..	..	..
	2016	50,225	..	..	..	..	..
	2017	*50,225	..	..	..	..	..
Thailand	2014	537,420	..	208,908	278,054	12,438	127,027
	2015	504,764	..	212,555	225,232	9,947	126,526
	2016	345,454	..	448,520	271,799	9,291	62,599
	2017	315,620	..	391,430	262,756	12,581	78,057
Timor-Leste	2014	925	..	..	..	..	..
	2015	886	..	..	..	..	..
	2016	850	..	..	..	..	..
	2017	813	..	..	..	..	..
Turkey	2014	90,519	..	40,489	..	..	..
	2015	77,791	..	40,163	..	..	..
	2016	68,831	..	40,551	..	..	..
	2017	56,773	..	45,407	..	..	..
Turkmenistan	2014	100	..	..	..	..	..
	2015	100	..	..	..	..	..
	2016	100	..	..	..	..	..
	2017	110	..	..	..	..	..
Uzbekistan	2014	*1,453	..	..	..	..	..
	2015	*1,307	..	..	..	..	..
	2016	*1,763	..	..	..	..	..
	2017	*924	..	..	..	..	..
Viet Nam	2014	642,777	..	..	40,053	..	17,907
	2015	649,684	..	..	34,609	..	18,113
	2016	656,748	..	..	33,040	..	18,320
	2017	613,178	..	..	*31,545	..	15,517
Yemen	2014	4,768	..	..	..	..	2,272
	2015	4,886	..	..	..	..	2,331
	2016	4,999	..	..	..	..	2,390
	2017	5,120	..	..	..	..	2,449
Europe	2014	3,315,637	18,296	275,527	12,591	519,852	10,673
	2015	3,468,172	11,534	327,335	11,984	526,322	10,853
	2016	3,589,811	12,156	295,085	16,323	550,773	12,378
	2017	3,613,214	12,372	322,288	16,495	561,721	13,984
Albania	2014	8,161	..	..	..	..	..
	2015	8,960	..	..	..	..	..
	2016	7,787	..	..	..	..	..
	2017	6,959	..	..	..	..	..
Andorra	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Austria	2014	144,266	..	8,495	..	30,329	30
	2015	146,081	..	8,936	..	28,545	30
	2016	145,765	..	8,058	..	32,785	30
	2017	152,096	..	7,549	..	32,663	30
Belarus	2014	67,562	..	2,790	..	..	89
	2015	68,924	..	2,701	..	..	89
	2016	68,613	..	2,403	..	..	118
	2017	75,446	..	2,345	..	..	89

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	..	..	..	285
..	..	..	..	..	238
..	..	..	..	..	236
..	..	..	..	..	234
..	..	..	..	..	*50,225
..	..	..	..	..	*50,225
..	..	..	..	..	50,225
..	..	..	..	..	*50,225
..	5,071	22,512	37,131	38,285	1,139,819
..	9,508	24,951	39,192	29,749	1,055,898
..	4,395	25,889	39,008	33,341	1,177,697
..	4,183	31,088	45,190	37,778	1,100,627
..	..	..	..	..	925
..	..	..	..	..	886
..	..	..	..	..	850
..	..	..	..	..	813
144	..	1,474	1,325	9,653	143,604
1,362	..	1,796	2,539	11,119	134,770
2,067	..	1,930	2,318	14,721	130,418
2,446	..	2,117	2,466	17,569	126,778
..	..	..	..	..	100
..	..	..	..	..	100
..	..	..	..	..	100
..	..	..	..	..	110
..	..	..	..	..	*1,453
..	..	..	..	..	*1,307
..	..	..	..	..	*1,763
..	..	..	..	..	*924
..	..	..	..	..	682,830
..	..	..	..	..	684,293
..	..	..	..	..	689,788
..	..	..	..	..	644,723
..	..	..	..	..	4,768
..	..	..	..	..	4,886
..	..	..	..	..	4,999
..	..	..	..	..	5,120
352,177	811,681	107,788	468,298	639,892	6,521,738
377,409	834,808	105,884	452,793	672,105	6,788,347
415,809	886,256	112,051	447,782	709,477	7,035,523
401,726	914,992	115,709	509,864	713,746	7,182,128
..	..	..	..	..	8,161
..	..	..	..	..	8,960
..	..	..	..	..	7,787
..	..	..	..	..	6,959
..	*241	..	..	..	*241
..	*248	..	..	..	*248
..	*255	..	..	..	*255
..	*306	..	..	..	*306
18,695	18,705	5,521	9,789	12,167	247,967
19,499	19,347	5,655	12,586	12,559	253,208
18,878	21,172	5,709	11,040	12,829	256,236
19,375	18,735	5,682	10,046	10,302	256,449
1,156	..	..	1,030	373	72,912
1,157	..	..	810	398	73,989
1,286	..	..	736	390	73,428
1,187	..	..	736	468	80,182

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Belgium	2014	38,570	97	5,826	..	1,733	..
	2015	41,957	266	6,266	..	1,666	..
	2016	45,064	783	*6,205	..	1,762	..
	2017	41,344	841	*6,850	..	1,732	..
Bosnia and Herzegovina	2014	30,229	..	..	..	..	1,298
	2015	30,354	..	..	..	..	1,298
	2016	30,729	..	..	..	..	1,328
	2017	28,596	..	..	..	..	1,180
Bulgaria	2014	40,501	..	0	..	4,987	177
	2015	45,681	..	..	..	2,898	177
	2016	42,194	..	..	..	4,733	118
	2017	41,930	..	..	..	5,104	59
Croatia	2014	57,543	..	12	..	..	236
	2015	63,861	..	19	..	..	236
	2016	64,080	..	32	..	..	266
	2017	64,565	..	19	..	..	266
Czechia	2014	98,604	..	5,096	..	15,281	..
	2015	102,917	..	5,581	..	15,196	..
	2016	103,427	..	5,789	..	15,114	..
	2017	103,824	..	6,379	..	15,281	..
Denmark	2014	35,481	..	19,134	..	..	..
	2015	46,757	..	19,824	..	..	..
	2016	46,576	..	19,921	..	..	..
	2017	*51,961	..	20,400	..	..	..
Estonia	2014	38,208	..	7,398	..	1,374	..
	2015	41,571	..	7,721	..	1,340	..
	2016	50,850	..	6,206	..	1,385	..
	2017	51,714	..	9,175	..	1,382	..
Finland	2014	196,230	204	1,499	..	141,905	..
	2015	187,269	244	1,230	..	142,056	..
	2016	200,688	239	1,604	..	146,307	..
	2017	203,865	212	1,698	..	154,761	..
France	2014	329,770	999	17,672	0	44,360	..
	2015	354,808	888	18,712	0	44,888	..
	2016	389,494	1,452	18,065	0	52,041	..
	2017	379,108	1,169	17,469	..	54,185	..
Germany	2014	436,947	..	5,905	..	35,478	..
	2015	462,327	..	6,483	..	36,183	..
	2016	468,334	..	5,838	..	35,337	..
	2017	458,667	..	9,098	..	31,453	974
Greece	2014	28,641	..	7,750	..	..	30
	2015	30,587	..	9,293	..	..	30
	2016	26,947	..	6,440	..	..	30
	2017	27,655	..	6,199	..	..	30
Hungary	2014	86,037	87	12,474	..	330	..
	2015	91,443	291	13,222	..	265	..
	2016	87,340	323	12,624	..	283	..
	2017	86,705	256	11,541	..	310	..
Iceland	2014	238	..	..	..	..	..
	2015	247	..	..	..	..	..
	2016	256	..	..	..	..	..
	2017	256	..	..	..	..	..
Ireland	2014	7,380	1,423	..	..	..	..
	2015	7,223	1,203	..	..	..	..
	2016	8,621	866	..	..	..	..
	2017	9,339	955	..	..	..	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
13,526	30,133	6,808	16,413	8,672	121,778
13,479	30,679	6,516	9,126	9,584	119,539
13,290	30,566	6,327	8,648	9,795	122,440
12,119	30,954	7,293	10,672	9,392	121,197
..	..	..	..	..	30,229
..	..	..	..	..	30,354
..	..	..	..	..	30,729
..	..	..	..	..	28,596
951	272	563	2,208	435	49,917
1,073	489	670	1,766	820	53,397
883	1,646	724	2,282	2,511	54,972
984	1,833	590	3,386	1,958	55,784
425	..	..	1,288	1,096	60,364
390	..	..	626	1,507	66,403
425	..	..	37	1,952	66,526
483	..	..	0	2,672	67,739
8,194	5,755	2,787	8,059	25,457	169,233
9,382	5,570	2,814	6,182	25,681	173,323
10,361	5,968	3,109	5,483	25,161	174,412
10,228	6,422	2,734	5,778	25,444	176,089
..	35,271	575	..	5,896	96,357
..	34,812	411	..	7,296	109,100
..	34,271	192	..	12,154	113,114
..	35,602	137	..	16,288	124,388
..	2,851	..	..	403	50,234
..	2,819	..	..	550	54,001
..	2,944	..	..	448	61,833
..	3,030	..	..	540	65,841
2,219	18,049	1,413	12,586	4,173	378,278
1,758	19,742	999	15,382	4,321	373,001
1,644	22,201	1,288	3,901	4,694	382,566
2,001	23,808	1,233	11,040	5,214	403,832
3,156	106,532	19,976	86,848	26,527	635,840
5,597	107,250	16,166	89,571	30,123	668,004
4,639	114,692	15,688	83,278	33,025	712,375
4,209	116,466	16,809	89,608	37,660	716,683
52,968	254,310	23,878	123,354	311,259	1,244,099
52,659	250,720	23,781	113,528	328,840	1,274,521
59,095	259,750	25,584	114,779	338,922	1,307,639
54,307	269,372	21,536	118,054	328,436	1,290,923
868	..	..	5,741	3,640	46,640
3,732	..	..	5,410	3,826	52,848
2,517	..	..	5,594	4,258	45,756
0	..	..	5,667	4,484	44,005
2,267	3,709	7,906	4,894	3,323	121,027
2,520	4,728	10,613	5,373	3,335	131,790
3,546	4,470	11,417	5,741	3,708	129,452
3,777	3,606	11,792	5,814	3,849	127,650
..	..	..	..	71	309
..	..	..	..	69	316
..	..	..	..	71	327
..	..	..	..	71	327
..	4,929	..	994	2,187	16,913
..	5,265	..	994	2,287	16,972
..	5,467	..	994	2,294	18,242
..	9,606	..	1,067	2,286	23,253

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Isle of Man	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Italy	2014	264,871	..	*8,921	..	..	295
	2015	297,890	..	*9,433	..	..	295
	2016	293,118	..	*9,672	..	..	295
	2017	317,411	..	*10,247	..	..	295
Jersey	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Kosovo	2014	10,438	..	..	..	..	..
	2015	10,721	..	..	..	..	..
	2016	14,823	..	..	..	..	..
	2017	15,305	..	..	..	..	..
Latvia	2014	85,567	..	99	..	..	384
	2015	83,986	..	135	..	..	325
	2016	86,776	..	136	..	..	354
	2017	85,124	..	234	..	..	384
Liechtenstein	2014	187	..	..	..	..	..
	2015	209	..	..	..	..	..
	2016	202	..	..	..	..	..
	2017	189	..	..	..	..	..
Lithuania	2014	46,749	..	457	..	..	30
	2015	50,437	..	585	..	..	30
	2016	50,378	..	591	..	..	30
	2017	54,681	..	535	..	..	..
Luxembourg	2014	2,522	..	486	..	..	..
	2015	2,175	..	434	..	..	..
	2016	2,461	..	372	..	..	..
	2017	3,022	..	402	..	..	..
Malta	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Montenegro	2014	7,527	..	..	..	..	15
	2015	8,304	..	..	..	..	18
	2016	8,395	..	..	..	..	24
	2017	9,235	..	..	..	..	21
Netherlands	2014	40,875	..	13,070	..	..	..
	2015	42,404	..	13,534	..	..	..
	2016	43,762	..	13,425	..	..	..
	2017	43,703	..	16,326	..	..	..
North Macedonia	2014	14,617	..	164	..	..	..
	2015	13,431	..	203	..	..	..
	2016	11,817	..	199	..	..	..
	2017	12,367	..	233	..	..	..
Norway	2014	32,524	..	..	..	..	..
	2015	35,784	..	..	..	..	..
	2016	35,528	..	..	..	..	..
	2017	38,548	..	..	..	425	..
Poland	2014	201,369	..	46,747	..	10,607	..
	2015	204,512	..	60,674	..	11,013	..
	2016	206,522	..	50,806	..	11,249	..
	2017	200,861	..	45,517	..	11,574	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	*380	..	..	..	*380
..	*389	..	..	..	*389
..	*411	..	..	..	*411
..	*396	..	..	..	*396
12,532	71,882	3,178	21,344	82,105	464,833
12,696	70,840	5,392	21,234	78,355	495,839
13,082	72,908	7,579	21,197	78,505	496,061
11,765	71,444	8,071	25,466	79,453	523,857
..	*658	..	..	..	*658
..	*732	..	..	..	*732
..	*813	..	..	..	*813
..	*799	..	..	..	*799
..	..	..	..	..	10,438
..	..	..	..	..	10,721
..	..	..	..	..	14,823
..	..	..	..	..	15,305
168	171	0	2,760	3,136	91,901
84	256	80	2,429	3,674	90,644
113	256	134	1,656	3,762	92,833
73	362	241	1,950	3,902	91,887
..	*688	..	..	21	*896
..	*691	..	..	22	*923
..	*706	..	..	20	*929
..	*703	..	..	23	*914
258	970	268	4,416	876	53,994
303	1,337	429	4,342	981	58,414
486	2,495	375	3,790	1,341	59,457
183	2,476	348	4,342	1,350	63,916
640	1,171	..	..	701	5,520
569	1,365	..	..	739	5,282
546	1,400	..	..	833	5,612
578	1,557	..	..	857	6,416
..	..	..	37	65	102
..	..	..	37	77	114
..	..	..	37	83	120
..	..	..	..	99	99
..	..	..	..	..	7,527
..	..	..	..	..	8,304
..	..	..	..	..	8,395
..	..	..	..	..	9,235
..	61,576	..	63,296	13,094	191,911
..	60,173	..	59,947	13,693	189,751
..	61,527	..	53,802	13,339	185,855
..	60,374	..	70,987	13,432	204,822
..	..	..	128	..	14,909
..	..	..	80	..	13,713
..	..	..	0	..	12,016
..	..	..	0	..	12,601
3,497	14,169	..	..	600	50,790
3,519	15,202	..	..	1,100	55,605
3,356	14,965	..	2,208	1,200	57,257
3,192	15,558	..	4,158	1,535	63,416
16,993	6,099	3,832	27,195	8,685	321,528
16,997	6,593	4,718	28,962	9,581	343,050
18,795	15,484	5,281	33,046	10,930	352,113
22,229	18,263	5,174	33,010	11,747	348,374

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Portugal	2014	53,329	..	17,490	..	40,995	236
	2015	59,877	..	7,606	2,487	41,179	236
	2016	61,818	..	3,196	3,305	43,610	266
	2017	58,938	..	5,888	2,417	44,530	266
Republic of Moldova	2014	21,686	..	8,171	..	..	30
	2015	22,024	158	7,736	..	..	30
	2016	25,213	12	7,246	..	..	30
	2017	30,767	6	4,936	..	..	30
Romania	2014	152,640	..	..	..	..	487
	2015	147,416	..	..	..	..	177
	2016	149,864	..	..	..	..	67
	2017	149,227	..	..	..	..	36
Russian Federation	2014	115,921	..	..	..	..	1,552
	2015	118,109	..	..	..	..	1,543
	2016	121,911	..	..	..	..	2,065
	2017	107,613	..	..	..	..	2,162
Serbia	2014	46,610	..	..	..	..	354
	2015	46,240	..	..	..	..	354
	2016	46,259	..	..	..	..	443
	2017	45,477	..	..	..	..	585
Slovakia	2014	15,618	..	1,737	..	14,443	124
	2015	17,277	..	6,813	..	13,164	118
	2016	19,118	..	2,153	..	13,672	103
	2017	18,957	..	2,137	..	14,125	118
Slovenia	2014	22,037	..	263	..	..	..
	2015	24,436	..	273	..	..	..
	2016	25,242	..	236	..	..	..
	2017	24,525	..	245	..	..	..
Spain	2014	156,406	560	26,234	12,591	20,275	1,062
	2015	142,420	449	43,829	9,497	24,039	1,062
	2016	145,115	449	38,520	13,018	25,917	1,062
	2017	148,741	449	38,923	14,078	26,942	1,062
Sweden	2014	211,097	110	..	..	157,755	..
	2015	216,259	76	..	..	163,890	..
	2016	227,021	52	..	..	166,578	..
	2017	230,319	103	..	..	167,254	..
Switzerland	2014	37,020	..	..	..	..	..
	2015	38,060	..	..	..	..	..
	2016	41,350	..	..	..	..	..
	2017	40,590	..	..	..	..	..
Ukraine	2014	71,938	..	..	..	..	4,248
	2015	87,769	..	..	..	..	4,809
	2016	114,133	..	..	..	..	5,753
	2017	121,861	..	..	..	..	6,402
United Kingdom	2014	59,720	14,816	57,637	..	..	..
	2015	67,466	7,959	76,092	..	..	..
	2016	72,220	7,980	75,348	..	..	..
	2017	71,724	8,381	97,943	..	..	..
Oceania	2014	133,703	..	9,069	126,022	20,977	398
	2015	132,904	..	9,247	139,114	20,521	405
	2016	135,456	..	9,189	136,071	20,073	410
	2017	139,518	..	8,631	149,854	21,196	416
Australia	2014	32,879	..	789	119,450	20,977	..
	2015	31,646	..	1,006	132,643	20,521	..
	2016	34,649	..	933	131,669	20,073	..
	2017	36,397	..	357	144,441	21,196	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
2,680	6,845	164	12,328	3,432	137,263
1,011	8,155	110	13,211	3,457	137,092
2,961	8,680	82	12,291	3,364	139,307
2,657	8,739	..	13,174	3,561	139,904
207	..	0	..	178	30,242
73	..	0	..	401	30,392
142	..	0	..	361	32,974
316	..	..	..	282	36,307
2,738	189	322	4,048	810	160,747
2,968	159	1,045	5,520	767	157,875
3,164	193	1,528	6,293	739	161,780
3,845	207	1,179	6,146	755	161,359
179,858	..	..	..	..	295,779
198,890	..	..	..	..	316,999
218,670	..	..	..	..	340,581
215,266	..	..	..	..	322,879
17	..	..	..	215	46,842
15	..	..	..	242	46,497
23	..	..	..	307	46,589
43	..	..	..	723	46,243
5,072	1,720	2,841	3,717	4,025	49,173
6,905	1,668	3,002	3,901	6,223	58,952
7,583	1,530	3,136	4,048	6,357	57,597
7,283	2,214	3,136	4,011	6,384	58,247
1,809	..	..	0	1,290	25,399
1,802	..	..	0	1,242	27,753
1,876	..	..	..	1,264	28,618
2,139	..	..	..	1,076	27,985
..	17,098	10,291	44,602	14,791	302,848
..	21,102	10,479	40,958	10,954	303,727
..	19,698	6,968	50,048	10,264	309,997
..	21,744	8,871	64,842	10,943	335,532
863	53,418	5,618	5,778	6,422	441,060
749	57,172	5,447	5,115	7,009	455,717
746	59,857	6,802	4,011	7,265	472,332
748	62,730	6,600	2,429	7,445	477,628
11,864	45,050	..	184	4,354	98,472
10,234	46,430	..	221	4,585	99,530
10,790	48,150	..	258	4,898	105,446
12,500	48,350	..	294	5,087	106,821
..	..	858	..	..	72,796
..	..	482	..	600	88,851
..	..	161	..	1,367	115,660
2,507	..	563	..	1,601	126,532
8,556	48,840	10,988	5,262	89,413	295,232
9,348	60,875	7,075	5,483	97,207	331,505
16,912	73,781	9,970	12,586	111,066	379,862
7,732	79,336	13,722	17,186	114,427	410,450
4,177	..	5,956	4,784	19,213	323,901
3,899	..	5,393	5,078	19,777	335,933
3,915	..	4,912	1,987	20,742	332,345
3,771	..	4,160	147	18,232	345,509
4,177	..	5,816	4,747	16,316	205,151
3,899	..	5,226	5,078	16,693	216,712
3,915	..	4,770	1,987	17,471	215,468
3,771	..	4,020	147	14,970	225,299

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Fiji	2014	338	..	..	5,691	..	72
	2015	338	..	..	5,591	..	72
	2016	338	..	..	3,521	..	73
	2017	338	..	..	4,533	..	73
French Polynesia	2014	42	..	..	..	..	15
	2015	42	..	..	..	..	16
	2016	42	..	..	..	..	16
	2017	42	..	..	..	..	16
Kiribati	2014	29	..	*499	..	..	11
	2015	29	..	*500	..	..	11
	2016	30	..	*502	..	..	12
	2017	30	..	*510	..	..	12
Marshall Islands	2014	..	..	*190	..	..	..
	2015	..	..	*185	..	..	..
	2016	..	..	*190	..	..	..
	2017	..	..	*194	..	..	..
Micronesia (Fed. States of)	2014	23	..	..	..	..	11
	2015	24	..	..	..	..	11
	2016	24	..	..	..	..	11
	2017	24	..	..	..	..	11
New Caledonia	2014	114	..	..	..	..	18
	2015	115	..	..	..	..	18
	2016	115	..	..	..	..	18
	2017	115	..	..	..	..	18
New Zealand	2014	47,035	..	..	..	..	..
	2015	47,456	..	..	..	..	..
	2016	47,001	..	..	..	..	..
	2017	49,310	..	..	..	..	..
Niue	2014	1	..	..	..	..	0
	2015	1	..	..	..	..	0
	2016	1	..	..	..	..	0
	2017	1	..	..	..	..	0
Papua New Guinea	2014	50,544	..	*5,263	880	..	192
	2015	50,544	..	*5,263	880	..	195
	2016	50,544	..	*5,263	880	..	198
	2017	50,544	..	*5,263	*880	..	201
Samoa	2014	639	..	306	..	..	15
	2015	639	..	270	..	..	15
	2016	639	..	*277	..	..	16
	2017	639	..	*278	..	..	16
Solomon Islands	2014	1,209	..	*2,023	..	..	41
	2015	1,220	..	*2,024	..	..	42
	2016	1,223	..	*2,024	..	..	42
	2017	1,227	..	*2,030	..	..	43
Tonga	2014	19	..	..	..	..	7
	2015	19	..	..	..	..	7
	2016	19	..	..	..	..	7
	2017	19	..	..	..	..	7
Vanuatu	2014	831	..	..	..	..	17
	2015	831	..	..	..	..	18
	2016	831	..	..	..	..	18
	2017	831	..	..	..	..	19

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	6,029
..	5,929
..	3,859
..	4,871
..	42
..	42
..	42
..	42
..	*528
..	*529
..	*532
..	*540
..	*190
..	*185
..	*190
..	*194
..	23
..	24
..	24
..	24
..	..	*5	..	..	119
..	..	*5	..	..	120
..	..	*7	..	..	122
..	..	*5	..	..	120
..	..	80	37	2,897	50,049
..	..	107	..	3,084	50,647
..	..	107	..	3,271	50,379
..	..	107	..	3,262	52,679
..	1
..	1
..	1
..	1
..	56,687
..	56,687
..	56,687
..	56,687
..	945
..	909
..	917
..	917
..	*3,232
..	*3,244
..	*3,247
..	*3,257
..	19
..	19
..	19
..	19
..	..	*55	..	..	886
..	..	*55	..	..	886
..	..	*27	..	..	859
..	..	*27	..	..	859

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Table Notes

The **Reserves / Production** ratio refers to crude oil and natural gas liquids.

Data on reserves were taken from the Survey of Energy Resources, World Energy Council.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification, and xvi to xvii for the descriptions of relevant flows.

Figure 36: Production of conventional crude oil by region, 1990-2017

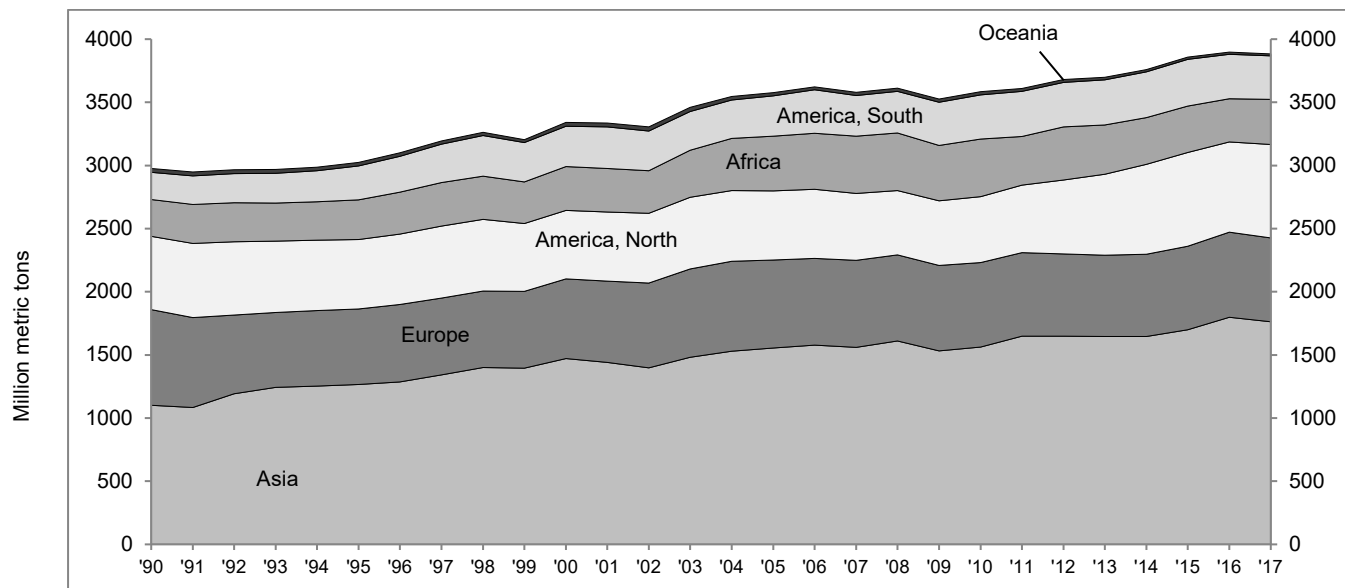


Figure 37: Exports of conventional crude oil by region, 1990-2017

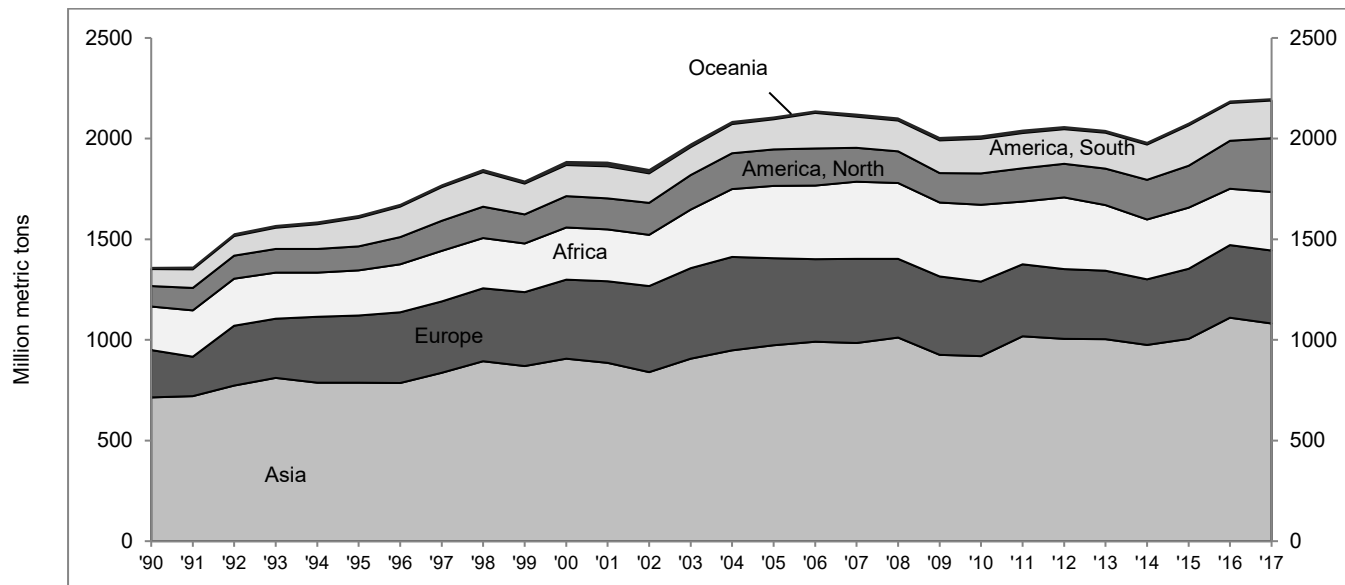


Figure 38: Production, trade and supply of conventional crude oil by region, 2017

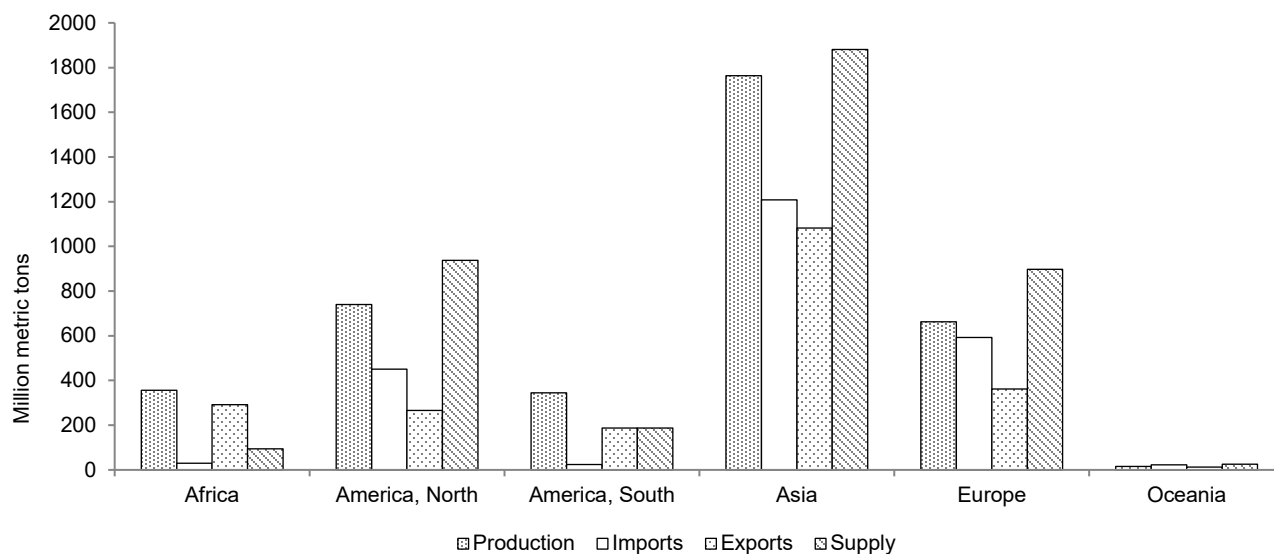


Figure 39: Major crude oil producing countries, 2017

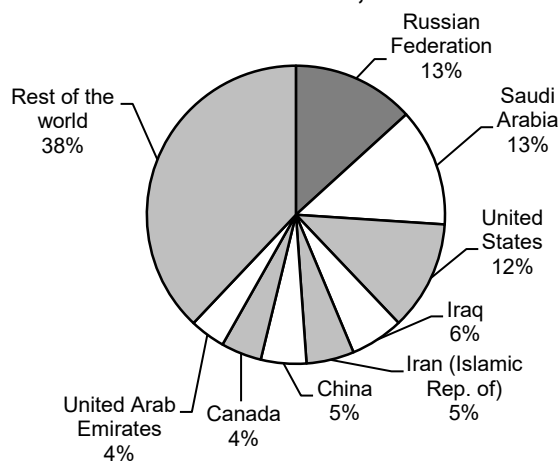


Figure 40: Major crude oil consuming countries, 2017

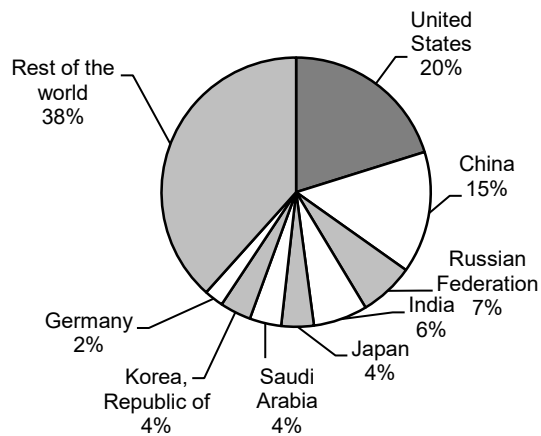


Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per capita
World	2014	3,759,329	53	2,085,502	1,983,842	9,226	3,851,764	528
	2015	3,857,654	51	2,180,535	2,079,859	20,445	3,937,886	534
	2016	3,905,477	51	2,254,112	2,189,639	16,076	3,953,875	530
	2017	3,883,512	51	2,328,540	2,201,048	-14,878	4,025,882	534
Africa	2014	368,497	43	39,822	298,256	1,445	108,619	94
	2015	365,520	43	32,057	303,542	-2,352	96,387	81
	2016	341,820	46	33,342	279,271	2	95,890	79
	2017	356,297	44	30,573	291,409	1,033	94,428	76
Algeria	2014	50,805	22	294	23,550	747	26,802	685
	2015	49,184	23	267	24,181	-578	25,848	648
	2016	50,945	22	233	25,227	-82	26,033	641
	2017	49,468	23	222	24,677	287	24,726	598
Angola	2014	83,584	20	..	80,395	-1,788	4,977	185
	2015	88,977	19	..	*86,919	..	2,058	74
	2016	86,319	20	..	*83,953	..	2,366	82
	2017	77,408	22	..	74,770	246	2,392	80
Cameroon	2014	3,814	5	1,712	3,838	..	1,688	76
	2015	4,726	4	1,417	4,270	..	1,873	82
	2016	4,673	4	1,354	4,222	..	1,805	77
	2017	3,845	5	1,114	3,474	..	1,485	62
Chad	2014	5,300	41	..	4,500	..	800	59
	2015	7,200	30	..	6,500	..	700	50
	2016	6,500	33	..	5,800	..	700	48
	2017	5,800	37	..	5,100	..	700	47
Congo	2014	12,809	14	..	11,637	327	845	173
	2015	12,036	15	..	11,320	..	716	143
	2016	11,795	16	..	11,094	-1	702	137
	2017	13,669	14	..	12,856	..	813	155
Côte d'Ivoire	2014	948	15	3,277	888	..	3,337	148
	2015	1,349	10	3,083	1,338	..	3,094	134
	2016	2,188	6	2,601	2,038	..	2,751	116
	2017	2,007	7	2,386	1,870	..	2,523	104
Dem. Rep. of the Congo	2014	1,061	23	..	1,061	..	0	0
	2015	1,048	23	..	1,048	..	0	0
	2016	996	24	..	996	..	0	0
	2017	1,198	20	..	1,198	..	0	0
Egypt	2014	33,687	13	4,940	12,161	..	26,466	288
	2015	33,195	13	3,238	12,399	..	24,034	256
	2016	30,992	14	5,998	11,392	..	25,598	268
	2017	30,417	14	6,283	9,594	..	27,106	278
Equatorial Guinea	2014	13,245	11	..	13,052	*22	171	151
	2015	12,086	12	..	12,026	*-105	165	140
	2016	10,186	14	..	10,197	*-151	140	115
	2017	8,682	16	..	8,727	*-145	100	79
Gabon	2014	10,965	25	..	10,150	..	815	435
	2015	11,503	24	..	10,701	..	802	416
	2016	11,366	24	..	10,561	..	805	407
	2017	9,986	27	..	9,181	..	805	398
Ghana	2014	5,328	17	693	5,386	0	635	24
	2015	5,351	17	310	5,209	20	432	16
	2016	4,614	20	1,446	4,272	340	1,448	51
	2017	8,380	11	233	8,141	306	166	6

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per capita
Libya	2014	23,113	247	..	16,425	1,748	4,940	796
	2015	19,340	294	..	14,380	..	4,960	796
	2016	18,193	310	..	14,683	..	3,510	558
	2017	42,322	139	..	37,955	..	4,367	685
Mauritania	2014	297	10	..	*297	..	0	0
	2015	264	11	..	*264	..	0	0
	2016	264	11	..	*264	..	0	0
	2017	236	13	..	*236	..	0	0
Morocco	2014	5	50	5,189	..	-13	5,207	149
	2015	5	50	2,690	..	72	2,623	74
	2016	5	50	..	..	..	5	0
	2017	5	50	..	..	..	5	0
Niger	2014	855	23	..	..	26	829	43
	2015	746	27	..	..	-1	746	38
	2016	822	24	..	..	*86	736	36
	2017	911	22	..	..	*32	879	41
Nigeria	2014	106,472	46	..	103,178	-219	3,513	20
	2015	103,128	47	..	102,892	-1,581	1,817	10
	2016	88,901	55	..	86,058	-38	2,881	15
	2017	90,529	54	..	86,490	718	3,321	17
Senegal	2014	..	..	684	..	-42	726	50
	2015	..	..	1,085	..	-74	1,159	77
	2016	..	..	1,162	..	-68	1,230	80
	2017	..	..	1,200	..	*-119	1,319	83
South Africa	2014	163	6	21,293	..	743	20,713	380
	2015	255	5	17,973	..	-122	18,350	332
	2016	256	5	18,075	..	-123	18,454	329
	2017	33	15	17,236	..	-213	17,482	308
South Sudan	2014	7,775	61	..	7,749	..	26	2
	2015	7,388	64	..	7,320	..	68	6
	2016	5,891	80	..	5,821	..	70	6
	2017	5,454	87	..	5,383	..	71	7
Sudan	2014	5,700	36	..	1,788	..	3,912	104
	2015	5,405	37	472	977	..	4,900	127
	2016	4,718	43	1,103	949	..	4,872	123
	2017	4,095	49	744	167	..	4,673	115
Tunisia	2014	2,572	20	1,180	2,201	35	1,516	136
	2015	2,334	22	879	1,798	17	1,398	124
	2016	2,197	23	886	1,744	39	1,300	114
	2017	1,852	27	635	1,590	-79	976	85
Zambia	2014	..	..	560	..	-141	701	45
	2015	..	..	643	..	..	643	40
	2016	..	..	484	..	..	484	29
	2017	..	..	520	..	..	520	30
America, North	2014	714,346	44	422,263	197,323	4,522	934,764	1,653
	2015	743,164	42	429,688	208,170	11,185	953,498	1,670
	2016	714,454	43	455,044	238,369	3,474	927,656	1,611
	2017	739,732	42	450,911	266,121	-13,388	937,910	1,614
Barbados	2014	32	8	..	29	3	0	0
	2015	34	7	..	34	0	0	0
	2016	34	7	..	34	0	0	0
	2017	32	8	..	32	0	0	0

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per capita
Belize	2014	97	3	..	89	-4	12	35
	2015	80	3	..	61	6	13	35
	2016	79	3	..	61	6	12	34
	2017	53	5	..	39	0	14	36
Canada	2014	149,405	170	39,535	117,961	942	70,037	1,967
	2015	154,620	165	45,844	123,175	260	77,029	2,143
	2016	158,046	160	46,689	143,984	-700	61,451	1,693
	2017	170,848	148	40,562	144,545	224	66,641	1,820
Costa Rica	2014	..	..	..	..	-2	2	0
	2015	..	..	..	..	-9	9	2
	2016	..	..	..	..	0	0	0
	2017	..	..	..	..	..	..	..
Cuba	2014	2,905	1	4,625	..	..	7,531	658
	2015	2,822	1	4,408	..	..	7,230	631
	2016	2,619	1	3,712	..	..	6,331	552
	2017	2,522	1	2,840	..	..	5,362	467
Curaçao	2014	..	..	9,803	..	..	9,803	62,634
	2015	..	..	9,232	..	..	9,232	58,427
	2016	..	..	8,091	..	..	8,091	50,768
	2017	..	..	6,798	..	..	6,798	42,345
Dominican Republic	2014	..	..	1,321	..	25	1,296	125
	2015	..	..	813	..	-6	820	78
	2016	..	..	1,163	..	2	1,161	109
	2017	..	..	990	..	-44	1,034	96
Guatemala	2014	501	22	..	411	17	73	5
	2015	497	22	..	431	2	64	4
	2016	446	25	..	368	22	56	3
	2017	481	23	..	393	0	88	5
Jamaica	2014	..	..	1,097	..	..	1,097	383
	2015	..	..	1,396	..	..	1,396	486
	2016	..	..	1,243	..	..	1,243	431
	2017	..	..	1,165	..	..	1,165	403
Mexico	2014	125,472	11	..	59,823	706	64,943	523
	2015	117,001	12	..	59,932	-354	57,423	456
	2016	111,482	12	..	63,247	128	48,107	377
	2017	100,827	14	..	62,607	561	37,659	292
Nicaragua	2014	..	..	711	..	48	663	110
	2015	..	..	790	..	55	735	121
	2016	..	..	648	..	-49	697	113
	2017	..	..	743	..	23	720	116
Trinidad and Tobago	2014	4,189	21	2,923	1,681	..	5,431	4,010
	2015	4,055	22	4,043	1,599	..	6,499	4,778
	2016	3,695	25	5,228	1,449	..	7,474	5,476
	2017	3,702	24	4,554	1,408	..	6,848	5,002
United States	2014	431,745	13	362,247	17,329	2,787	773,876	2,436
	2015	464,056	12	363,163	22,938	11,231	793,050	2,479
	2016	438,053	13	388,271	29,226	4,065	793,033	2,461
	2017	461,267	12	393,259	57,097	-14,153	811,582	2,501
America, South	2014	361,794	81	33,298	174,622	-221	220,690	536
	2015	370,293	79	30,676	200,814	-278	200,433	482
	2016	359,691	81	24,155	187,826	-4,473	200,493	477
	2017	345,354	84	23,708	187,672	-7,868	189,257	446

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per capita
Argentina	2014	27,484	11	488	1,898	-176	26,250	611
	2015	27,499	11	837	1,878	246	26,212	604
	2016	26,440	11	820	2,643	-60	24,677	563
	2017	24,766	12	1,117	1,481	78	24,324	549
Bolivia (Plur. State of)	2014	3,030	6	..	453	-3	2,580	244
	2015	2,404	7	..	59	-4	2,349	219
	2016	2,224	7	..	0	2	2,222	204
	2017	2,110	7	..	0	-3	2,113	191
Brazil	2014	107,004	17	17,960	26,619	-25	98,370	482
	2015	116,835	15	15,273	37,794	1,157	93,157	452
	2016	129,203	14	7,937	43,419	496	93,225	449
	2017	134,534	13	7,415	53,337	-223	88,835	424
Chile	2014	337	48	8,701	..	-23	9,061	514
	2015	244	71	8,297	..	39	8,502	479
	2016	203	82	8,183	..	-49	8,435	471
	2017	169	72	8,468	..	7	8,630	478
Colombia	2014	51,064	6	1	33,073	559	17,433	365
	2015	52,818	6	0	41,515	-1,761	13,064	271
	2016	45,796	7	..	32,420	-4,452	17,828	366
	2017	44,029	8	..	32,466	-7,171	18,734	382
Ecuador	2014	27,945	42	0	20,890	-550	7,605	478
	2015	27,268	43	0	20,688	-375	6,955	431
	2016	27,610	42	0	19,515	-350	8,445	515
	2017	26,676	44	3	18,351	-558	8,887	535
Peru	2014	3,410	23	4,105	763	76	6,676	216
	2015	2,854	27	4,223	392	301	6,384	203
	2016	1,991	31	5,188	114	-14	7,079	223
	2017	2,143	31	6,164	77	63	8,167	254
Suriname	2014	832	14	163	..	-5	999	1,824
	2015	840	14	41	..	3	877	1,586
	2016	814	15	41	..	12	843	1,510
	2017	807	15	14	..	..	821	1,458
Uruguay	2014	..	..	1,881	..	-74	1,955	572
	2015	..	..	2,005	..	116	1,890	551
	2016	..	..	1,986	..	-59	2,045	594
	2017	..	..	527	..	-60	587	170
Venezuela (Bolivar. Rep.)	2014	140,688	182	..	90,926	..	49,762	1,619
	2015	139,531	184	..	98,489	..	41,042	1,317
	2016	125,410	204	..	89,715	..	35,695	1,131
	2017	110,119	232	..	81,960	..	28,159	881
Asia	2014	1,646,944	64	1,007,672	975,022	-166	1,679,760	384
	2015	1,698,182	63	1,075,868	1,004,406	5,869	1,763,775	399
	2016	1,798,432	59	1,147,919	1,110,083	19,281	1,816,988	407
	2017	1,763,800	61	1,208,084	1,081,693	9,700	1,880,491	417
Azerbaijan	2014	39,443	23	..	32,903	14	6,526	687
	2015	39,035	23	..	32,843	-60	6,252	650
	2016	38,253	23	..	32,479	24	5,750	591
	2017	36,032	25	..	30,488	-23	5,567	566
Bahrain	2014	10,093	1	10,385	7,693	..	12,785	9,567
	2015	10,049	1	10,753	7,453	..	13,349	9,731
	2016	10,102	1	10,476	7,724	..	12,854	9,019
	2017	9,830	1	10,953	7,601	..	13,182	8,832

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per capita
Bangladesh	2014	..	16	1,308	..	..	1,308	8
	2015	..	14	1,093	..	..	1,093	7
	2016	..	12	1,308	..	..	1,308	8
	2017	..	10	1,687	..	..	1,687	10
Brunei Darussalam	2014	5,680	24	..	5,362	87	231	561
	2015	5,936	23	..	5,763	-96	269	644
	2016	5,431	25	..	5,209	-18	240	567
	2017	4,995	27	..	4,871	-74	198	462
China	2014	211,429	12	308,374	600	3,757	515,446	371
	2015	214,556	12	335,483	2,866	6,238	540,935	387
	2016	199,685	13	381,007	2,941	17,428	560,323	399
	2017	191,506	13	419,462	4,861	17,018	589,090	418
Georgia	2014	43	117	10	51	-2	3	1
	2015	40	124	133	153	6	14	4
	2016	39	130	43	18	0	64	16
	2017	32	156	60	7	-5	89	23
India	2014	37,461	18	189,432	..	0	226,893	175
	2015	36,950	19	202,850	..	0	239,800	183
	2016	36,801	19	218,618	..	0	255,419	193
	2017	36,468	19	225,282	..	..	261,750	195
Indonesia	2014	40,746	11	16,186	11,091	183	45,658	179
	2015	40,324	11	18,431	13,542	884	44,329	172
	2016	40,063	11	17,452	15,131	-2,725	45,109	173
	2017	41,901	11	15,889	12,035	34	45,721	173
Iran (Islamic Rep. of)	2014	139,707	131	..	53,405	-765	87,066	1,110
	2015	139,415	132	..	56,230	164	83,021	1,046
	2016	187,209	100	..	104,500	0	82,709	1,030
	2017	200,912	93	..	115,553	-20	85,379	1,052
Iraq	2014	152,906	125	..	123,677	2,179	27,050	773
	2015	171,889	112	..	147,539	-2,287	26,637	738
	2016	220,339	87	..	187,360	3,140	29,839	802
	2017	224,404	85	..	186,774	385	37,245	973
Israel	2014	82	24	11,173	..	16	11,239	1,415
	2015	76	26	11,718	..	125	11,669	1,447
	2016	115	17	10,332	..	-385	10,832	1,322
	2017	76	26	11,698	..	649	11,125	1,337
Japan	2014	224	8	158,718	..	-2,575	161,517	1,260
	2015	205	9	158,539	..	-636	159,380	1,245
	2016	187	9	156,166	..	-1,546	157,899	1,236
	2017	180	10	155,873	..	-896	156,949	1,231
Jordan	2014	1	357	3,225	..	46	3,179	361
	2015	0	548	3,432	..	87	3,346	365
	2016	0	563	2,951	..	23	2,928	310
	2017	0	862	2,800	..	16	2,784	287
Kazakhstan	2014	67,908	49	969	53,879	411	14,587	834
	2015	66,521	49	74	51,886	419	14,290	805
	2016	65,570	50	23	49,774	197	15,622	868
	2017	72,925	46	42	56,684	*57	16,226	891
Korea, Dem.Ppl's.Rep.	2014	..	..	532	..	..	532	21
	2015	..	..	532	..	..	532	21
	2016	..	..	532	..	..	532	21
	2017	..	..	532	..	..	532	21

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per capita
Korea, Republic of	2014	27	..	125,058	..	575	124,510	2,471
	2015	16	..	138,751	..	1,302	137,465	2,717
	2016	15	..	145,537	..	947	144,605	2,847
	2017	30	..	150,613	..	-29	150,672	2,955
Kuwait	2014	145,319	92	..	101,123	..	44,196	11,684
	2015	144,919	92	..	99,637	..	45,282	11,505
	2016	149,758	89	..	107,879	..	41,879	10,334
	2017	140,567	94	..	102,782	..	37,785	9,134
Kyrgyzstan	2014	82	61	60	0	-2	144	25
	2015	107	47	224	0	8	323	55
	2016	145	34	250	7	1	387	65
	2017	173	29	297	20	5	445	74
Malaysia	2014	28,549	16	9,450	11,432	480	26,087	863
	2015	31,347	14	8,097	15,533	-55	23,966	780
	2016	32,113	14	10,488	16,045	-68	26,624	854
	2017	31,071	14	9,793	14,453	287	26,124	826
Mongolia	2014	876	40	..	815	62	0	0
	2015	1,038	34	..	963	75	0	0
	2016	976	36	..	949	28	0	0
	2017	902	39	..	889	13	0	0
Myanmar	2014	768	4	..	241	-14	542	10
	2015	789	4	..	144	14	631	12
	2016	653	5	..	149	32	472	9
	2017	589	5	..	241	-1	349	7
Oman	2014	46,228	15	..	39,221	..	7,007	1,769
	2015	48,067	15	..	41,356	..	6,711	1,598
	2016	49,409	14	..	43,266	..	6,143	1,388
	2017	47,685	15	..	39,596	..	8,089	1,745
Other Asia	2014	8	4	45,066	..	821	44,253	1,890
	2015	8	4	43,931	..	224	43,715	1,861
	2016	8	4	44,837	..	-141	44,986	1,910
	2017	5	6	44,517	..	247	44,275	1,874
Pakistan	2014	4,580	10	5,697	474	0	9,803	53
	2015	4,203	11	5,928	308	0	9,823	52
	2016	4,285	10	8,368	208	0	12,445	64
	2017	4,448	10	10,404	412	..	14,440	73
Philippines	2014	421	18	8,861	387	548	8,346	83
	2015	329	22	10,644	334	36	10,603	104
	2016	275	22	10,743	247	221	10,551	102
	2017	217	25	10,590	193	-239	10,853	103
Qatar	2014	34,508	36	..	30,614	..	3,894	1,640
	2015	31,915	38	..	28,216	..	3,699	1,491
	2016	31,798	36	..	28,051	..	3,747	1,458
	2017	29,199	38	..	25,647	..	3,552	1,346
Saudi Arabia	2014	484,110	68	..	353,920	-2,844	133,034	4,323
	2015	508,238	66	..	357,172	2,288	148,778	4,715
	2016	523,010	64	..	373,168	7,220	142,621	4,419
	2017	496,573	67	..	347,428	-3,772	152,917	4,643
Singapore	2014	..	..	47,480	669	..	46,811	8,592
	2015	..	..	49,438	1,064	..	48,374	8,739
	2016	..	..	52,776	1,026	..	51,750	9,204
	2017	..	..	57,954	1,250	..	56,704	9,933

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per capita
Sri Lanka	2014	..	..	1,824	..	0	1,824	88
	2015	..	..	1,677	..	-15	1,692	82
	2016	..	..	1,685	..	-61	1,746	84
	2017	..	..	1,499	..	-147	1,646	79
Syrian Arab Republic	2014	1,300	244	4,157	..	..	5,457	284
	2015	1,074	296	4,383	..	..	5,457	291
	2016	1,017	311	5,073	..	..	6,090	330
	2017	961	328	4,913	..	..	5,874	322
Tajikistan	2014	25	80	..	..	..	25	3
	2015	25	80	..	..	..	25	3
	2016	25	80	..	..	..	25	3
	2017	24	85	..	..	..	24	3
Thailand	2014	12,320	3	41,524	334	-4,231	57,741	844
	2015	13,087	3	44,509	40	-4,842	62,398	909
	2016	13,531	2	43,862	1,546	-6,288	62,135	902
	2017	12,645	3	46,278	1,670	-6,278	63,531	920
Timor-Leste	2014	3,347	18	..	*3,347	..	0	0
	2015	*3,461	17	..	*3,461	..	0	0
	2016	2,843	21	..	*2,843	..	0	0
	2017	1,269	46	..	*1,269	..	0	0
Turkey	2014	2,465	19	17,480	..	80	19,865	258
	2015	2,516	18	25,067	..	890	26,693	341
	2016	2,573	18	24,958	..	165	27,366	344
	2017	2,553	18	25,767	..	233	28,087	348
Turkmenistan	2014	11,800	6	..	3,200	..	8,600	1,573
	2015	12,050	6	..	3,450	..	8,600	1,545
	2016	11,080	7	..	2,480	..	8,600	1,519
	2017	10,300	7	..	1,700	..	8,600	1,494
United Arab Emirates	2014	139,113	74	..	127,327	..	11,786	1,299
	2015	148,838	68	..	124,538	..	24,300	2,654
	2016	154,189	66	..	120,236	..	33,953	3,663
	2017	149,937	73	..	118,463	417	31,057	3,304
Uzbekistan	2014	1,031	28	..	..	..	1,031	34
	2015	1,000	30	..	..	..	1,000	32
	2016	868	31	..	..	..	868	28
	2017	814	29	..	..	..	814	25
Viet Nam	2014	17,392	34	704	9,306	*1,009	7,781	84
	2015	18,746	30	182	9,486	*1,100	8,342	89
	2016	15,200	37	435	6,848	*1,087	7,700	81
	2017	13,557	41	1,181	6,806	1,822	6,110	64
Yemen	2014	6,953	54	..	3,952	..	3,001	114
	2015	1,413	269	..	430	..	983	37
	2016	867	425	..	0	..	867	31
	2017	1,021	366	..	..	..	1,021	36
Europe	2014	648,958	23	554,023	325,060	3,610	874,311	1,178
	2015	662,048	23	587,058	348,592	6,358	894,156	1,203
	2016	673,315	22	571,675	360,753	-2,080	886,317	1,192
	2017	662,900	22	592,678	362,079	-4,339	897,838	1,206
Albania	2014	1,368	19	..	1,007	..	361	124
	2015	1,279	20	..	987	16	276	94
	2016	1,056	25	..	888	-16	184	63
	2017	959	27	..	488	-42	513	175

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per capita
Austria	2014	953	7	7,510	..	28	8,435	977
	2015	854	8	8,079	..	80	8,853	1,020
	2016	786	9	7,332	..	-66	8,184	939
	2017	698	10	7,219	..	-148	8,065	923
Belarus	2014	1,645	16	22,508	1,617	220	22,316	2,353
	2015	1,645	16	22,919	1,615	-80	23,029	2,428
	2016	1,645	16	18,142	1,617	-448	18,618	1,964
	2017	1,650	16	18,130	1,621	-31	18,190	1,921
Belgium	2014	..	..	32,188	..	67	32,121	2,863
	2015	..	..	32,080	..	19	32,061	2,840
	2016	..	..	31,870	..	-99	31,969	2,815
	2017	..	..	34,117	..	30	34,087	2,982
Bosnia and Herzegovina	2014	..	..	934	..	-56	990	278
	2015	..	..	916	..	2	914	258
	2016	..	..	911	..	75	836	238
	2017	..	..	845	..	77	768	219
Bulgaria	2014	26	77	5,103	..	-25	5,154	714
	2015	25	80	6,068	..	56	6,037	841
	2016	24	83	6,195	..	-40	6,259	878
	2017	24	83	6,859	..	99	6,784	958
Croatia	2014	541	12	1,851	..	3	2,389	561
	2015	619	10	2,328	..	84	2,863	676
	2016	684	9	2,513	..	-27	3,224	765
	2017	689	9	2,818	..	24	3,483	831
Czechia	2014	150	13	7,371	27	18	7,476	705
	2015	128	16	7,132	28	16	7,216	681
	2016	117	17	5,325	28	-8	5,422	511
	2017	108	19	7,814	24	34	7,864	741
Denmark	2014	8,131	9	3,458	4,799	-127	6,917	1,221
	2015	7,690	10	4,164	4,523	74	7,257	1,276
	2016	6,924	11	3,835	3,877	-27	6,909	1,210
	2017	6,737	11	4,823	4,098	-32	7,494	1,307
Finland	2014	..	..	11,267	..	-82	11,349	2,079
	2015	..	..	10,073	..	435	9,638	1,758
	2016	..	..	11,249	..	59	11,190	2,033
	2017	..	..	11,014	..	-136	11,150	2,019
France	2014	766	14	54,220	20	-336	55,302	833
	2015	835	13	57,452	40	107	58,140	872
	2016	815	13	54,894	0	-863	56,572	845
	2017	758	15	57,053	67	400	57,344	853
Germany	2014	2,435	13	89,397	30	211	91,591	1,124
	2015	2,414	13	91,275	333	-280	93,636	1,146
	2016	2,357	13	91,244	101	-761	94,261	1,151
	2017	2,217	14	90,738	..	-249	93,204	1,135
Greece	2014	64	16	20,826	59	140	20,691	1,837
	2015	62	16	22,085	80	383	21,684	1,933
	2016	176	6	23,462	156	295	23,187	2,073
	2017	142	7	23,667	163	-385	24,031	2,153
Hungary	2014	584	5	6,058	10	102	6,530	665
	2015	623	5	6,211	96	261	6,477	662
	2016	712	4	6,012	75	12	6,637	680
	2017	714	4	5,984	161	12	6,525	671

Table 13

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per capita
Ireland	2014	..	..	2,701	0	-51	2,752	587
	2015	..	..	3,642	0	276	3,366	716
	2016	..	..	3,197	..	3	3,194	676
	2017	..	..	3,213	295	-265	3,183	668
Italy	2014	5,765	14	53,843	358	269	58,981	989
	2015	5,470	15	62,457	709	223	66,995	1,125
	2016	3,746	22	60,878	624	-586	64,586	1,086
	2017	4,138	20	66,348	697	-319	70,108	1,180
Lithuania	2014	82	12	7,467	63	-11	7,497	2,531
	2015	75	13	8,491	50	29	8,487	2,895
	2016	64	16	9,321	52	9	9,324	3,206
	2017	56	18	9,817	42	10	9,821	3,398
Netherlands	2014	1,525	16	47,480	614	-1,388	49,779	2,947
	2015	1,396	17	52,236	292	554	52,786	3,116
	2016	957	24	54,318	326	557	54,392	3,202
	2017	952	25	52,851	440	-162	53,525	3,142
Norway	2014	75,952	12	1,221	64,287	-696	13,582	2,642
	2015	77,899	11	1,179	64,943	120	14,015	2,695
	2016	79,836	11	493	69,254	731	10,344	1,969
	2017	78,413	11	1,797	67,076	-971	14,105	2,659
Poland	2014	951	16	23,713	420	112	24,132	630
	2015	928	16	26,492	254	1,057	26,109	682
	2016	1,001	15	24,573	224	-426	25,776	674
	2017	996	15	24,648	220	280	25,144	659
Portugal	2014	..	..	10,543	..	-249	10,792	1,031
	2015	..	..	13,969	..	122	13,847	1,329
	2016	..	..	13,731	..	-177	13,908	1,341
	2017	..	..	14,191	..	54	14,137	1,369
Republic of Moldova	2014	8	..	0	..	-1	9	2
	2015	7	..	0	..	0	7	2
	2016	6	..	0	..	-1	7	2
	2017	5	..	0	..	1	4	1
Romania	2014	3,963	20	6,727	51	321	10,318	517
	2015	3,902	20	6,596	49	67	10,382	522
	2016	3,686	21	7,468	14	-165	11,305	572
	2017	3,538	22	7,754	37	-188	11,443	581
Russian Federation	2014	503,092	27	1,477	223,438	4,656	276,475	1,923
	2015	510,230	26	2,862	244,521	2,262	266,309	1,851
	2016	521,715	26	0	252,844	485	268,386	1,864
	2017	514,536	26	0	252,169	-1,605	263,972	1,833
Serbia	2014	1,108	6	1,435	..	-71	2,614	370
	2015	1,022	7	1,799	..	-117	2,938	417
	2016	930	7	2,190	..	14	3,106	443
	2017	889	8	2,447	..	3	3,333	479
Slovakia	2014	9	83	5,288	9	68	5,220	961
	2015	10	83	5,902	10	-28	5,930	1,090
	2016	8	100	5,792	9	53	5,738	1,054
	2017	6	125	5,587	56	-20	5,557	1,020
Spain	2014	305	62	59,054	..	330	59,029	1,269
	2015	232	82	64,726	..	-73	65,031	1,402
	2016	141	135	64,171	..	-676	64,988	1,402
	2017	120	158	65,958	..	40	66,038	1,425

Production, trade and supply of conventional crude oil

Thousand metric tons; kilograms per capita; reserves/production ratio (R/P) in years

Country or area	Year	Production		Imports	Exports	Changes in stocks	Supply	
		Total	Reserves/ Production				Total	Per capita
Sweden	2014	..	..	18,733	0	-106	18,839	1,944
	2015	..	..	20,110	..	707	19,403	1,987
	2016	..	..	19,689	..	-8	19,697	2,002
	2017	..	..	19,061	..	-548	19,609	1,979
Switzerland	2014	..	..	4,900	..	11	4,889	591
	2015	..	..	2,785	..	-18	2,803	335
	2016	..	..	2,930	16	-16	2,930	347
	2017	..	..	2,847	..	-3	2,850	335
Ukraine	2014	2,061	20	179	41	92	2,107	47
	2015	1,877	21	227	8	-23	2,119	47
	2016	1,623	24	502	..	5	2,120	48
	2017	1,505	25	905	83	41	2,286	52
United Kingdom	2014	37,474	9	46,571	28,203	168	55,674	856
	2015	42,826	8	42,803	30,054	27	55,548	849
	2016	44,306	8	39,438	30,648	32	53,064	807
	2017	43,050	8	44,173	34,342	-340	53,221	804
Oceania	2014	18,790	23	28,423	13,558	35	33,620	863
	2015	18,446	24	25,188	14,334	-338	29,638	750
	2016	17,765	25	21,977	13,338	-128	26,532	661
	2017	15,430	28	22,586	12,075	-16	25,957	638
Australia	2014	16,216	24	22,353	11,099	-60	27,530	1,173
	2015	15,381	26	19,447	11,404	-208	23,632	993
	2016	15,024	27	15,323	10,669	-141	19,819	821
	2017	12,993	30	15,959	9,698	-67	19,321	790
New Zealand	2014	1,770	9	4,959	1,679	24	5,026	1,101
	2015	1,856	8	5,122	1,721	-141	5,398	1,170
	2016	1,575	10	5,286	1,503	45	5,313	1,140
	2017	1,399	11	5,215	1,339	-30	5,305	1,127
Papua New Guinea	2014	804	30	1,111	780	71	1,064	137
	2015	1,209	20	619	1,209	11	608	77
	2016	1,166	21	1,368	1,166	-32	1,400	173
	2017	1,038	23	1,412	1,038	81	1,331	161

Production of additives and other hydrocarbons

Thousand metric tons

Table Notes

Additives production refers to any quantities of additives (as per the definition in page x) which come from non-energy sources, such as Tetraethyllead (TEL) or detergents.

Additives from other sources refers to quantities of additives (as per the definition in page x) already accounted for in energy statistics, such as oxygenates from a biomass or hydrocarbon origin.

Other hydrocarbons production refers to quantities of other hydrocarbons which are oils obtained by non-conventional production techniques and are primary for the purposes of energy statistics.

Other hydrocarbons from other sources refers to the oils extracted from extra heavy oils, oil sands, coal and oil shale whose production has been already accounted for in energy statistics, together with the output of GTL plants.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification, and xvi to xvii for the descriptions of relevant flows.

Figure 41: Major additives producing countries, 2017

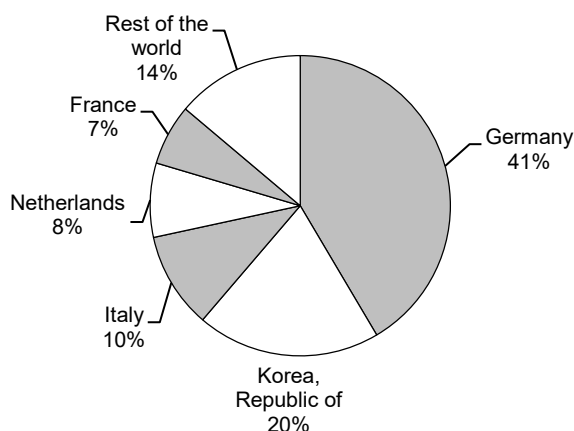


Figure 42: Major other hydrocarbons producing countries, 2017

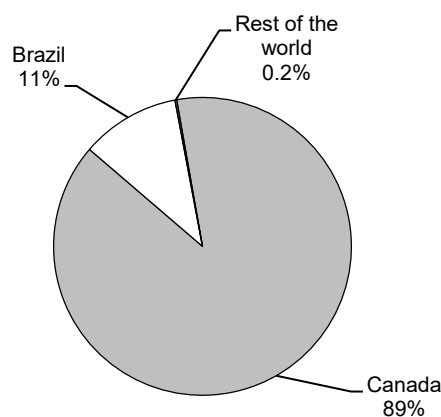


Table 14

Production of additives and other hydrocarbons

Thousand metric tons

Country or area	Year	Additives		Other hydrocarbons	
		Production	From other sources	Production	From other sources
World	2014	3,627	3,919	61,484	26,574
	2015	3,663	3,958	61,831	27,796
	2016	3,741	4,148	54,926	28,602
	2017	3,480	3,920	63,748	30,091
Africa	2014	..	942	..	5,132
	2015	..	815	..	5,522
	2016	..	1,069	..	5,609
	2017	..	1,083	..	5,439
Equatorial Guinea	2014	..	942	..	..
	2015	..	815	..	..
	2016	..	1,069	..	..
	2017	..	1,083	..	..
Nigeria	2014	..	..	..	67
	2015	..	..	..	200
	2016	..	..	..	201
	2017	..	..	..	200
South Africa	2014	..	..	..	5,065
	2015	..	..	..	5,322
	2016	..	..	..	5,408
	2017	..	..	..	5,239
America, North	2014	397	2,729	52,389	7,352
	2015	321	2,889	53,192	7,375
	2016	274	2,775	46,863	7,230
	2017	197	2,550	56,777	7,070
Canada	2014	..	210	52,389	3,174
	2015	..	373	53,192	3,364
	2016	..	..	46,863	3,129
	2017	..	..	56,777	2,882
Mexico	2014	397	..	..	251
	2015	321	..	..	62
	2016	274	..	..	37
	2017	197	..	..	33
United States	2014	..	2,519	..	3,927
	2015	..	2,516	..	3,949
	2016	..	2,775	..	4,064
	2017	..	2,550	..	4,155
America, South	2014	369	..	8,914	..
	2015	423	..	8,442	..
	2016	395	..	7,903	..
	2017	..	..	6,851	46
Argentina	2014	369	..	..	..
	2015	423	..	..	..
	2016	395	..	..	..
	2017	..	..	..	..
Brazil	2014	..	..	8,914	..
	2015	..	..	8,442	..
	2016	..	..	7,903	..
	2017	..	..	6,851	..
Chile	2014	..	..	..	..
	2015	..	..	..	..
	2016	..	..	..	..
	2017	..	..	..	46

Production of additives and other hydrocarbons

Thousand metric tons

Country or area	Year	Additives		Other hydrocarbons	
		Production	From other sources	Production	From other sources
Asia	2014	755	..	140	9,237
	2015	642	..	160	9,260
	2016	674	..	160	10,326
	2017	688	..	120	12,506
China	2014	..	..	..	2,536
	2015	..	..	..	2,494
	2016	..	..	..	3,978
	2017	..	..	..	7,044
Israel	2014	..	..	..	137
	2015	..	..	..	154
	2016	..	..	..	137
	2017	..	..	..	142
Korea, Republic of	2014	755	..	..	..
	2015	642	..	..	..
	2016	674	..	..	..
	2017	688	..	..	..
Malaysia	2014	..	..	..	460
	2015	..	..	..	407
	2016	..	..	..	569
	2017	..	..	..	509
Qatar	2014	..	..	..	5,902
	2015	..	..	..	5,788
	2016	..	..	..	5,180
	2017	..	..	..	4,319
Turkey	2014	..	..	..	202
	2015	..	..	..	417
	2016	..	..	..	462
	2017	..	..	..	492
Uzbekistan	2014	..	..	140	..
	2015	..	..	*160	..
	2016	..	..	*160	..
	2017	..	..	120	..
Europe	2014	2,106	248	41	4,759
	2015	2,277	254	37	5,558
	2016	2,398	304	0	5,305
	2017	2,595	287	0	4,898
Belarus	2014	..	28	..	..
	2015	..	22	..	..
	2016	..	20	..	..
	2017	..	20	..	..
Bulgaria	2014	..	..	..	28
	2015	..	..	..	99
	2016	..	..	..	169
	2017	..	..	..	188
Croatia	2014	..	..	..	61
	2015	..	..	..	60
	2016	..	..	..	71
	2017	..	..	..	67
Czechia	2014	115	3	..	..
	2015	81	7	..	..
	2016	70	5	..	..
	2017	105	18	..	..

Table 14

Production of additives and other hydrocarbons

Thousand metric tons

Country or area	Year	Additives		Other hydrocarbons	
		Production	From other sources	Production	From other sources
Estonia	2014	..	..	..	697
	2015	..	..	..	854
	2016	..	..	..	724
	2017	..	..	..	1,016
Finland	2014	..	..	..	179
	2015	..	..	..	210
	2016	..	..	..	229
	2017	..	..	..	208
France	2014	282	..	..	..
	2015	228	..	..	..
	2016	177	..	..	..
	2017	228	..	..	..
Germany	2014	1,061	..	..	..
	2015	1,215	..	..	..
	2016	1,344	..	..	..
	2017	1,444	..	..	..
Hungary	2014	..	0	4	36
	2015	..	0	6	37
	2016	14	0	0	33
	2017	46	..	..	33
Ireland	2014	..	..	..	49
	2015	..	..	..	39
	2016	..	..	..	48
	2017	..	..	..	40
Italy	2014	365	..	..	..
	2015	360	..	..	..
	2016	320	..	..	..
	2017	360	..	..	..
Netherlands	2014	138	..	..	..
	2015	208	..	..	..
	2016	321	..	..	..
	2017	278	..	..	..
Norway	2014	60	..	..	..
	2015	74	..	..	..
	2016	85	..	..	..
	2017	68	..	..	..
Poland	2014	0	..	..	542
	2015	1	..	..	628
	2016	11	..	..	589
	2017	1	..	..	584
Portugal	2014	..	..	..	72
	2015	..	..	..	70
	2016	..	7	..	64
	2017	..	34	..	71
Romania	2014	10	..	..	79
	2015	25	..	..	77
	2016	22	..	..	89
	2017	22	..	..	74
Russian Federation	2014	..	..	..	*2,838
	2015	..	..	..	*3,309
	2016	..	..	..	*3,122
	2017	..	..	..	2,448

Production of additives and other hydrocarbons

Thousand metric tons

Country or area	Year	Additives		Other hydrocarbons	
		Production	From other sources	Production	From other sources
Serbia	2014	8	..	..	27
	2015	10	..	..	26
	2016	12	..	..	26
	2017	13	..	..	23
Slovakia	2014	..	217	..	151
	2015	..	225	..	149
	2016	..	215	..	141
	2017	..	215	..	146
Ukraine	2014	67	..	..	..
	2015	75	..	..	..
	2016	22	57	..	..
	2017	30	..	..	..
United Kingdom	2014	..	..	37	..
	2015	..	..	31	..
	2016	..	..	0	..
	2017	..	..	0	..
Oceania	2014	..	..	..	94
	2015	..	..	..	81
	2016	..	..	..	132
	2017	..	..	..	132
Australia	2014	..	..	..	94
	2015	..	..	..	81
	2016	..	..	..	132
	2017	..	..	..	132

Table 15

**International trade of conventional crude oil
(Principal importers/exporters)**

Thousand metric tons

2016

Importers	Exporters							
	World	Angola	Azerbaijan	Canada	Colombia	Iran (Islamic Rep. of)	Iraq	Kazakhstan
Australia	15,323	..	..	..	..	..	..	..
Bahrain	10,476	..	..	..	..	..	..	..
Belarus	18,142	..	..	..	..	..	..	44
Belgium	31,870	..	..	0	161	857	437	..
Brazil	7,937	..	..	31	..	..	416	..
Canada	46,689	..	361	..	274	..	0	998
Chile	8,183	..	..	..	51	..	..	..
China	381,007	43,736	953	20	*5,805	31,298	36,212	3,234
Finland	11,249	..	..	..	..	..	..	120
France	54,894	3,107	3,040	..	30	4,470	676	7,946
Germany	91,244	675	5,131	32	228	..	3,146	8,375
Greece	23,462	..	..	..	142	3,071	9,699	3,387
India	218,618	5,388	758	13	179	23,258	38,000	365
Indonesia	17,452	674	1,463	..	..	..	..	..
Italy	60,878	1,478	8,881	419	175	2,424	11,976	4,272
Japan	156,166	..	..	..	339	8,149	4,002	433
Korea, Republic of	145,537	381	..	..	..	15,189	18,769	583
Netherlands	54,318	579	..	..	51	792	5,805	..
Philippines	10,743	..	..	..	..	..	..	..
Poland	24,573	..	84	..	..	287	1,470	184
Portugal	13,731	2,912	1,560	..	..	..	710	1,347
Singapore	52,776	..	..	35	135	..	1,386	..
South Africa	20,826	4,002	..	1	132	..	..	..
Spain	64,171	2,989	1,630	437	2,644	2,513	5,191	2,852
Sweden	19,689	..	..	..	..	..	472	..
Thailand	43,862	..	477	1	..	..	..	..
Turkey	24,958	..	..	..	..	6,940	9,252	600
United Kingdom	39,438	982	88	703	..	..	36	..
United States	388,271	7,856	502	*140,115	21,838	..	20,747	..

**International trade of conventional crude oil
(Principal importers/exporters)**

Thousand metric tons

2016

Exporters									
Kuwait	Mexico	Nigeria	Norway	Qatar	Russian Federation	Saudi Arabia	United Arab Emirates	United Kingdom	Venezuela (Bolivar. Rep.)
..	..	..	..	..	179	..	2,732	..	..
..	..	..	..	..	..	8,826	..	..	..
..	..	..	..	..	18,098	..	..	..	..
494	394	2,114	2,992	..	11,987	8,763	..	1,400	172
..	..	3,035	..	..	..	3,127	34	1	..
..	875	3,598	2,044	..	..	4,334	..	477	..
..
16,339	..	848	42	480	52,478	51,006	12,182	305	20,154
..	..	..	900	..	9,972	..	..	..	..
219	1,127	5,829	5,178	..	5,627	8,332	338	1,379	..
190	854	3,810	11,189	..	36,048	812	..	9,210	407
33	..	..	..	..	2,897	2,329	..	137	..
10,107	..	19,426	..	*3,918	280	40,319	17,422	130	23,073
..	..	3,843	..	..	..	4,796	47	41	..
3,074	334	1,464	1,005	..	6,420	5,777	..	650	..
10,774	4,329	..	..	10,626	9,468	61,062	38,694	..	266
21,551	3,750	176	0	*2,637	5,341	43,321	11,902	2,522	..
3,191	610	2,572	7,853	..	22,646	1,923	140	5,752	150
4,509	..	..	..	279	206	4,316	1,385	..	..
..	..	89	177	..	20,707	1,525	..	..	..
..	404	..	130	..	2,838	1,526	..	78	..
..	2,666	..	849	4,847	717	14,419	12,618	53	..
107	..	6,134	..	682	..	7,942	673	259	..
87	9,234	8,110	937	..	5,073	6,588	..	1,792	1,120
..	..	1,987	4,605	..	8,310	97	..	157	1,406
..	..	..	..	3,103	673	..	12,423	..	..
2,527	..	..	..	..	3,234	2,170	..	..	..
..	..	3,384	24,592	..	1,805	1,308	..	..	352
10,332	28,794	10,244	1,755	..	1,888	54,340	..	955	36,671

Table 15

**International trade of conventional crude oil
(Principal importers/exporters)**

Thousand metric tons

2017

Importers	Exporters							
	World	Angola	Azerbaijan	Canada	Colombia	Iran (Islamic Rep. of)	Iraq	Kazakhstan
Australia	15,959	..	..	..	..	..	..	..
Bahrain	10,953	..	..	..	..	..	..	..
Belarus	18,130	..	..	..	..	..	..	64
Belgium	34,117	..	..	29	..	432	806	..
Brazil	7,415	..	..	..	..	..	357	..
Canada	40,562	333	2,735	..	439	..	140	293
Chile	8,468	..	..	..	..	..	..	..
China	419,462	50,416	1,282	39	9,303	31,152	36,815	2,502
Finland	11,014	..	..	..	..	..	..	0
France	57,053	899	1,550	..	0	6,992	484	9,063
Germany	90,738	205	2,451	0	138	794	4,675	8,114
Greece	23,667	..	146	..	..	4,342	10,148	2,399
India	225,282	7,780	1,130	41	264	*19,285	42,171	2,749
Indonesia	15,889	916	1,061	..	..	141	..	..
Italy	66,348	931	12,299	780	144	9,324	8,655	3,476
Japan	155,873	522	..	..	352	7,131	2,948	1,793
Korea, Republic of	150,613	..	..	..	..	20,038	17,126	3,594
Netherlands	52,851	96	..	31	0	1,330	6,852	..
Philippines	10,590	..	..	..	..	..	..	..
Poland	24,648	..	..	90	..	257	1,102	882
Portugal	14,191	689	1,855	..	..	..	861	1,416
Singapore	57,954	..	..	218	125	..	977	204
South Africa	16,844	*2,420	..	1	..	..	..	..
Spain	65,958	2,578	940	979	934	4,383	4,054	4,417
Sweden	19,061	..	..	..	..	..	612	..
Thailand	46,278	4	253	1	..	..	..	..
Turkey	25,767	..	..	74	255	*6,492	7,056	471
United Kingdom	44,173	127	..	283	..	..	..	..
United States	393,259	6,358	346	*141,316	16,611	..	29,632	..

**International trade of conventional crude oil
(Principal importers/exporters)**

Thousand metric tons

2017

Exporters									
Kuwait	Mexico	Nigeria	Norway	Qatar	Russian Federation	Saudi Arabia	United Arab Emirates	United Kingdom	Venezuela (Bolivar. Rep.)
..	..	..	..	..	433	..	2,601	..	..
..	..	..	..	..	..	10,577	..	..	..
..	..	..	..	..	18,065	..	..	..	..
689	354	2,048	2,622	..	16,339	6,364	..	3,239	93
..	..	1,067	..	..	..	3,751	..	0	..
..	267	1,863	1,874	..	292	5,089	..	976	..
..	..	..	..	..	..	..	..	132	..
18,243	..	1,205	126	1,014	59,538	52,180	10,158	311	21,761
..	..	..	529	..	10,138	98	..	..	..
112	66	4,796	5,383	..	8,940	6,180	338	1,491	..
176	345	4,916	10,303	..	33,512	1,021	..	8,555	654
..	..	..	..	..	1,978	2,167	..	0	..
11,176	..	16,973	22	3,299	3,058	35,849	16,561	86	19,426
..	..	3,280	104	..	..	4,131	246	176	..
3,680	199	1,663	1,293	..	6,539	6,055	..	0	193
11,569	1,997	..	..	10,926	8,318	62,366	38,694	83	140
21,478	4,209	0	100	*1,154	5,233	42,562	11,902	4,627	..
3,673	655	3,070	5,844	..	21,188	1,308	140	5,513	0
3,389	..	..	..	541	113	3,470	1,568	..	..
..	..	..	386	..	19,682	1,789	..	80	..
168	208	133	79	..	3,397	1,549	..	..	..
6,323	1,212	66	1,127	*4,241	1,432	10,365	15,239	347	..
..	..	4,106	..	..	..	8,183	107	443	..
..	9,689	9,477	2,637	..	2,234	6,380	..	1,548	1,050
..	..	2,880	5,016	..	6,976	..	..	97	1,147
..	..	813	..	2,505	555	..	12,223	..	..
1,725	..	134	..	..	2,075	1,821	..	..	..
..	..	4,464	21,247	..	2,974	1,589	..	..	175
7,116	29,971	15,260	1,828	..	2,402	46,833	..	1,168	30,504

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Table Notes

Output is equal to the sum of “production from refineries” for aviation gasoline, bitumen, gas/diesel oil, ethane, feedstocks, gasoline-type jet fuel, kerosene-type jet fuel, other kerosene, liquefied petroleum gas, lubricants, motor gasoline, naphtha, petroleum coke, other oil products, paraffin waxes, fuel oil, refinery gas and white spirits.

Throughput is equal to the sum of “transformation in refineries” for conventional crude oil, feedstocks, other hydrocarbons, additives and oxygenates, and natural gas liquids.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 43: Refinery distillation capacity, throughput and output by region, 2017

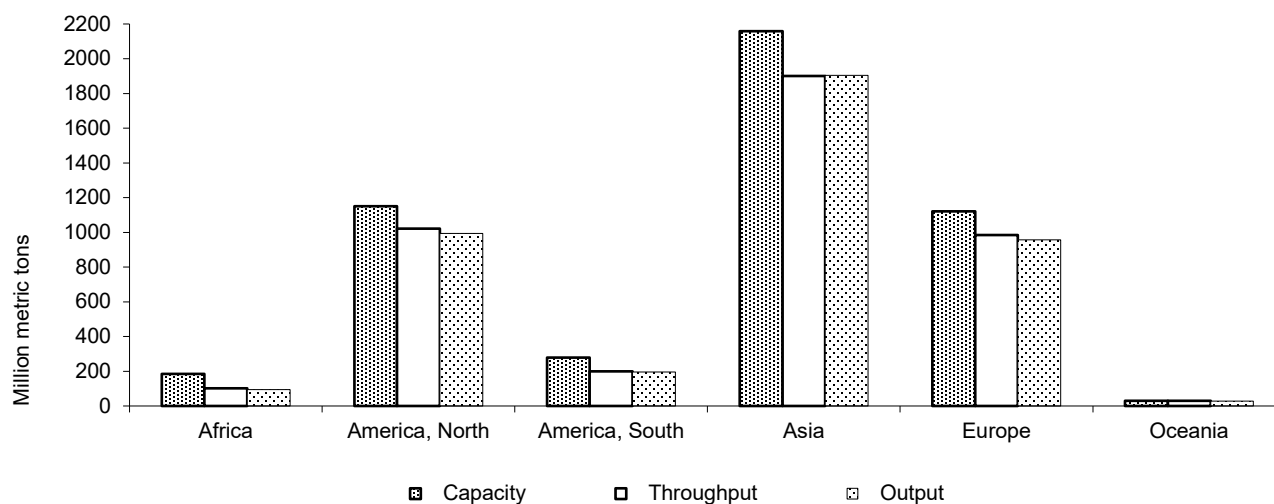


Figure 44: Total refinery distillation capacity by region, 1990-2017

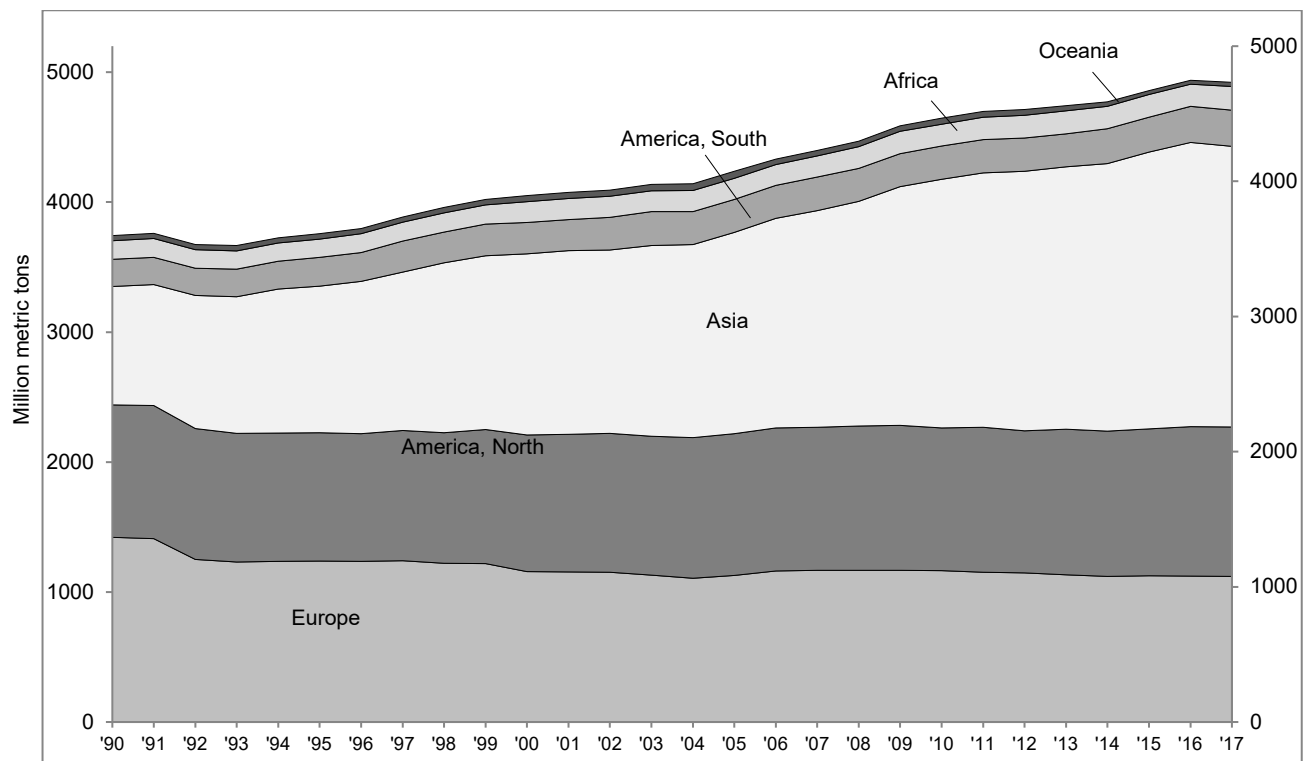


Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
World	2014	4,766,333	4,119,842	4,022,119
	2015	4,854,040	4,211,650	4,118,782
	2016	4,933,152	4,242,024	4,151,771
	2017	5,018,930	4,330,260	4,231,646
Africa	2014	172,984	111,880	107,534
	2015	175,007	104,511	101,149
	2016	171,684	102,402	97,057
	2017	183,812	101,463	95,131
Algeria	2014	32,459	31,108	31,033
	2015	32,459	29,903	29,769
	2016	32,459	29,355	29,108
	2017	32,459	28,513	28,267
Angola	2014	2,750	2,310	2,258
	2015	2,843	2,058	2,076
	2016	2,845	2,366	1,788
	2017	3,441	2,473	2,434
Cameroon	2014	*2,993	1,688	1,380
	2015	*2,993	1,825	1,613
	2016	*3,500	1,805	1,596
	2017	*3,500	1,485	1,313
Chad	2014	*998	800	*774
	2015	998	800	*774
	2016	*998	700	*677
	2017	*998	700	*677
Congo	2014	1,047	870	794
	2015	1,047	737	688
	2016	1,047	723	649
	2017	*1,047	837	716
Côte d'Ivoire	2014	3,192	3,201	3,112
	2015	3,192	3,265	3,172
	2016	3,192	3,474	3,186
	2017	3,192	3,296	*3,064
Egypt	2014	36,222	26,414	25,268
	2015	38,040	26,087	25,595
	2016	38,040	24,955	25,052
	2017	38,040	27,107	23,888
Gabon	2014	1,198	815	814
	2015	1,197	802	801
	2016	1,197	805	804
	2017	*1,197	805	804
Ghana	2014	2,244	112	129
	2015	2,244	104	89
	2016	2,244	769	739
	2017	2,244	24	16
Libya	2014	18,853	4,940	4,896
	2015	18,953	4,368	4,326
	2016	18,953	4,063	4,025
	2017	18,953	4,835	4,791
Mauritania	2014	998	..	..
	2015	998	..	..
	2016	*998	..	..
	2017	*998	..	..

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Morocco	2014	10,000	6,729	6,581
	2015	10,000	3,195	3,127
	2016	7,726	0	0
	2017	7,725	..	..
Niger	2014	*1,200	820	744
	2015	*1,200	770	565
	2016	1,200	734	572
	2017	*1,200	*881	*795
Nigeria	2014	22,195	3,470	3,336
	2015	22,195	1,708	1,618
	2016	21,135	3,503	3,351
	2017	22,195	4,722	4,379
Senegal	2014	1,248	726	654
	2015	1,248	1,160	1,012
	2016	1,248	1,231	1,124
	2017	1,248	1,319	1,213
Sierra Leone	2014	498	..	..
	2015	499	..	..
	2016	499	..	..
	2017	499	..	..
South Africa	2014	25,087	21,602	19,734
	2015	25,087	21,735	20,161
	2016	24,589	21,857	18,581
	2017	35,062	19,235	17,771
Sudan	2014	6,074	*3,923	3,727
	2015	6,074	*4,056	3,853
	2016	6,074	*4,384	4,165
	2017	6,074	*3,799	3,609
Tunisia	2014	1,800	1,651	1,641
	2015	1,800	1,315	1,305
	2016	1,800	1,194	1,185
	2017	1,800	912	906
United Rep. of Tanzania	2014	743	..	..
	2015	743	..	..
	2016	*743	..	..
	2017	*743	..	..
Zambia	2014	1,185	701	659
	2015	1,197	623	605
	2016	1,197	484	455
	2017	1,197	520	488
America, North	2014	1,117,254	1,007,767	978,261
	2015	1,129,264	1,013,668	984,927
	2016	1,147,766	1,012,953	987,253
	2017	1,149,870	1,020,649	993,313
Aruba	2014	*11,463	0	0
	2015	*11,463	0	0
	2016	*11,463	0	0
	2017	*11,463	0	..
Canada	2014	100,125	91,711	86,099
	2015	100,125	91,734	87,753
	2016	102,618	92,850	88,966
	2017	95,342	96,398	92,677

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Cuba	2014	6,135	*5,001	4,877
	2015	6,135	*4,730	4,526
	2016	6,135	*2,305	2,205
	2017	6,135	*2,763	2,632
Curaçao	2014	15,971	9,952	9,574
	2015	15,960	9,481	9,062
	2016	16,708	8,539	8,216
	2017	16,708	7,174	6,792
Dominican Republic	2014	1,721	1,351	1,278
	2015	1,721	810	764
	2016	1,721	1,171	1,097
	2017	1,721	955	899
Guatemala	2014	247	73	72
	2015	247	64	66
	2016	247	56	56
	2017	247	88	85
Jamaica	2014	1,795	1,051	970
	2015	1,795	1,310	1,221
	2016	1,795	1,155	1,094
	2017	1,796	1,115	1,048
Mexico	2014	79,000	69,604	61,799
	2015	81,796	63,749	56,815
	2016	79,900	55,732	50,634
	2017	81,147	45,496	44,357
Nicaragua	2014	997	713	686
	2015	995	792	722
	2016	995	682	651
	2017	998	701	668
Trinidad and Tobago	2014	8,379	5,397	5,189
	2015	8,379	6,464	6,182
	2016	8,379	7,663	7,303
	2017	8,379	6,740	6,388
United States	2014	891,421	822,914	807,716
	2015	900,648	834,534	817,816
	2016	917,805	842,800	827,031
	2017	925,935	859,220	837,767
America, South	2014	266,590	234,523	229,716
	2015	268,119	217,046	216,030
	2016	276,659	216,323	206,990
	2017	277,897	203,009	196,998
Argentina	2014	30,483	27,310	26,329
	2015	31,621	27,810	27,247
	2016	31,621	26,600	26,363
	2017	31,621	25,559	25,733
Bolivia (Plur. State of)	2014	*3,584	2,718	2,636
	2015	3,394	2,944	2,856
	2016	*3,394	2,944	2,856
	2017	3,394	3,240	3,143
Brazil	2014	117,580	108,355	111,078
	2015	120,742	100,981	104,248
	2016	123,449	100,311	97,217
	2017	123,309	95,018	93,083

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Chile	2014	11,628	10,361	9,617
	2015	11,628	10,085	9,685
	2016	10,972	9,934	9,429
	2017	11,471	9,933	9,648
Colombia	2014	*17,456	16,937	13,753
	2015	14,506	12,815	11,462
	2016	20,948	17,873	14,055
	2017	20,948	18,668	16,424
Ecuador	2014	8,778	6,912	6,429
	2015	8,728	6,672	6,217
	2016	8,723	8,134	7,695
	2017	8,786	8,350	7,759
Paraguay	2014	370	..	..
	2015	370	..	..
	2016	370	..	..
	2017	370	..	..
Peru	2014	9,923	9,056	8,280
	2015	9,923	8,590	8,252
	2016	9,923	8,792	8,561
	2017	9,923	9,632	9,373
Suriname	2014	349	198	216
	2015	743	393	433
	2016	745	514	536
	2017	743	655	674
Uruguay	2014	2,494	1,947	1,885
	2015	2,494	1,888	1,857
	2016	2,494	2,043	2,056
	2017	2,494	585	561
Venezuela (Bolivar. Rep.)	2014	63,945	50,729	49,492
	2015	63,970	44,867	43,773
	2016	64,020	39,178	38,222
	2017	64,838	31,368	30,601
Asia	2014	2,054,036	1,773,642	1,732,154
	2015	2,126,495	1,871,676	1,820,779
	2016	2,182,805	1,915,289	1,886,508
	2017	2,255,257	1,991,492	1,962,437
Azerbaijan	2014	16,000	6,770	6,489
	2015	10,000	6,485	6,346
	2016	10,000	6,000	5,793
	2017	*10,000	5,878	5,512
Bahrain	2014	12,965	12,785	13,360
	2015	12,964	13,349	13,446
	2016	12,968	12,854	13,003
	2017	12,964	13,182	13,232
Bangladesh	2014	1,646	1,231	1,216
	2015	1,502	1,294	1,247
	2016	1,502	1,268	1,174
	2017	1,502	1,621	1,432
Brunei Darussalam	2014	*1,000	401	381
	2015	*1,000	493	468
	2016	*900	332	315
	2017	900	283	232

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
China	2014	*633,420	582,289	564,104
	2015	*700,000	621,892	603,236
	2016	*748,130	621,529	633,757
	2017	*790,000	666,438	678,284
Georgia	2014	*5,440	0	0
	2015	*5,440	*14	12
	2016	*5,440	26	25
	2017	*5,440	25	24
India	2014	215,066	232,765	231,555
	2015	230,066	241,175	243,139
	2016	233,966	253,745	253,122
	2017	247,566	260,935	260,900
Indonesia	2014	46,957	*40,223	38,293
	2015	46,957	39,388	36,947
	2016	46,957	44,250	37,793
	2017	46,957	44,402	38,923
Iran (Islamic Rep. of)	2014	88,890	89,133	90,427
	2015	94,813	85,812	86,097
	2016	89,255	87,369	83,893
	2017	94,813	89,736	86,871
Iraq	2014	43,690	24,524	23,931
	2015	25,935	20,556	19,694
	2016	26,434	22,325	20,404
	2017	26,421	26,640	23,921
Israel	2014	*14,300	14,754	14,753
	2015	14,300	14,807	14,806
	2016	14,300	14,009	14,009
	2017	15,225	13,583	13,584
Japan	2014	222,775	164,490	161,949
	2015	195,347	164,296	162,719
	2016	195,347	165,375	163,395
	2017	175,960	161,066	157,862
Jordan	2014	4,509	3,282	3,075
	2015	4,509	3,346	3,258
	2016	4,509	2,928	2,843
	2017	*4,509	2,817	2,676
Kazakhstan	2014	16,969	15,537	14,544
	2015	16,958	*14,720	13,358
	2016	16,958	*13,703	12,827
	2017	16,958	*14,523	13,595
Korea, Dem.Ppl's.Rep.	2014	3,541	532	515
	2015	3,541	532	515
	2016	3,541	532	515
	2017	*3,541	532	515
Korea, Republic of	2014	148,055	131,507	128,633
	2015	147,581	144,693	139,689
	2016	*150,000	152,491	146,029
	2017	158,404	161,936	153,142
Kuwait	2014	46,683	42,546	41,626
	2015	46,683	43,591	42,161
	2016	46,683	40,315	37,809
	2017	46,683	33,026	32,547

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Kyrgyzstan	2014	*650	144	144
	2015	*700	323	320
	2016	*750	387	379
	2017	*800	445	431
Malaysia	2014	26,862	25,526	23,519
	2015	26,862	23,772	23,684
	2016	26,862	26,596	24,704
	2017	26,862	26,469	26,469
Myanmar	2014	2,545	*530	521
	2015	2,545	*619	515
	2016	2,545	*428	394
	2017	2,545	*410	406
Oman	2014	11,072	10,733	10,508
	2015	11,072	10,822	10,812
	2016	11,072	10,877	10,876
	2017	15,112	13,814	11,712
Other Asia	2014	65,382	44,726	43,275
	2015	65,337	44,083	43,243
	2016	65,337	45,434	43,471
	2017	81,967	44,670	44,099
Pakistan	2014	18,920	12,142	11,977
	2015	18,790	12,133	11,831
	2016	19,370	12,497	12,276
	2017	19,950	*14,440	13,460
Philippines	2014	13,766	8,101	7,825
	2015	13,766	10,349	9,811
	2016	13,766	10,671	10,089
	2017	*13,766	10,380	9,847
Qatar	2014	16,893	12,428	12,314
	2015	14,115	11,970	11,914
	2016	21,397	12,935	12,853
	2017	21,596	15,313	15,261
Saudi Arabia	2014	124,489	109,580	107,431
	2015	144,589	118,371	119,541
	2016	144,539	132,427	130,693
	2017	144,539	138,406	133,342
Singapore	2014	67,057	47,415	45,303
	2015	67,057	50,121	46,212
	2016	67,057	51,644	50,852
	2017	67,057	55,364	53,684
Sri Lanka	2014	2,350	1,824	1,686
	2015	2,494	1,692	1,615
	2016	2,494	1,746	1,647
	2017	2,494	1,646	1,636
Syrian Arab Republic	2014	11,963	5,457	5,391
	2015	11,963	5,457	5,391
	2016	11,963	6,090	6,018
	2017	11,963	5,874	5,805
Tajikistan	2014	*150	25	20
	2015	*150	25	*22
	2016	150	25	24
	2017	150	24	23

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Thailand	2014	62,419	56,902	54,407
	2015	62,418	61,539	58,895
	2016	61,571	61,267	58,277
	2017	61,571	62,657	59,620
Turkey	2014	33,067	22,032	21,876
	2015	33,067	29,412	29,234
	2016	33,067	29,751	29,605
	2017	*33,067	32,071	31,940
Turkmenistan	2014	12,419	8,903	8,547
	2015	13,017	8,906	8,550
	2016	13,017	8,896	8,540
	2017	13,017	8,888	8,532
United Arab Emirates	2014	34,956	32,018	30,833
	2015	56,119	54,675	41,612
	2016	56,119	53,780	48,923
	2017	56,119	54,054	53,364
Uzbekistan	2014	11,186	*2,955	*2,906
	2015	7,880	*2,904	*2,820
	2016	*7,880	*2,795	2,773
	2017	*7,880	*2,825	2,731
Viet Nam	2014	*9,000	*6,632	6,152
	2015	9,975	7,118	6,721
	2016	9,975	7,150	6,638
	2017	*9,975	6,128	5,983
Yemen	2014	6,983	2,800	2,667
	2015	6,983	942	899
	2016	6,983	842	769
	2017	*6,983	992	840
Europe	2014	1,121,547	954,944	939,421
	2015	1,125,893	971,245	963,938
	2016	1,124,977	964,718	945,200
	2017	1,121,436	983,963	955,977
Albania	2014	1,500	361	336
	2015	1,496	276	288
	2016	1,494	184	183
	2017	1,494	513	503
Austria	2014	10,169	9,000	8,920
	2015	10,169	9,277	9,138
	2016	9,661	8,721	8,554
	2017	9,576	8,653	8,470
Belarus	2014	24,605	22,317	21,973
	2015	24,605	23,196	23,196
	2016	24,605	18,717	18,717
	2017	24,605	18,471	18,471
Belgium	2014	41,060	35,680	35,250
	2015	41,658	35,390	35,204
	2016	38,738	33,755	33,631
	2017	38,703	35,511	35,283
Bosnia and Herzegovina	2014	*11,970	990	989
	2015	*11,970	914	919
	2016	*11,970	836	826
	2017	*11,970	768	862

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Bulgaria	2014	5,748	6,318	6,129
	2015	9,726	6,935	6,681
	2016	9,726	7,268	6,942
	2017	*9,726	7,591	7,145
Croatia	2014	12,485	2,979	2,953
	2015	10,699	3,376	3,342
	2016	10,699	3,765	3,715
	2017	*10,699	3,946	3,884
Czechia	2014	9,676	7,862	7,822
	2015	9,676	7,542	7,508
	2016	9,676	5,710	5,604
	2017	*9,676	8,250	8,183
Denmark	2014	8,449	8,849	8,624
	2015	8,449	9,127	8,923
	2016	8,449	9,142	9,091
	2017	9,027	8,874	8,758
Finland	2014	13,017	14,145	14,062
	2015	13,017	12,601	12,565
	2016	13,017	14,563	14,308
	2017	13,017	14,806	14,730
France	2014	70,120	58,840	58,297
	2015	70,120	60,752	60,242
	2016	70,120	59,877	59,365
	2017	70,124	59,828	59,349
Germany	2014	109,122	98,953	96,755
	2015	109,122	101,403	99,200
	2016	109,176	102,772	100,381
	2017	104,400	103,934	101,529
Greece	2014	*26,234	27,579	27,516
	2015	*26,234	28,507	28,427
	2016	*26,234	30,232	30,217
	2017	*26,234	31,777	31,765
Hungary	2014	8,030	8,022	7,944
	2015	8,030	7,557	7,473
	2016	8,030	7,403	7,334
	2017	8,100	7,223	7,149
Ireland	2014	3,541	2,763	2,710
	2015	3,541	3,380	3,365
	2016	3,541	3,233	3,180
	2017	3,741	3,192	3,189
Italy	2014	100,438	66,817	66,337
	2015	100,404	74,675	73,935
	2016	100,418	72,039	71,361
	2017	100,904	75,646	74,944
Lithuania	2014	10,220	8,036	7,943
	2015	9,476	9,018	8,920
	2016	*12,000	9,914	9,790
	2017	*12,000	10,129	10,020
Netherlands	2014	60,503	57,257	56,579
	2015	60,503	59,585	59,091
	2016	60,503	60,492	60,097
	2017	65,835	60,004	59,665

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
North Macedonia	2014	2,494	1	1
	2015	2,494	0	0
	2016	2,494	0	0
	2017	2,494	0	0
Norway	2014	15,910	15,321	14,744
	2015	15,910	17,111	16,428
	2016	15,910	13,284	13,014
	2017	17,955	16,442	16,465
Poland	2014	29,250	25,636	24,821
	2015	29,250	27,821	27,502
	2016	29,250	27,470	27,027
	2017	29,250	27,220	26,692
Portugal	2014	16,459	12,662	12,662
	2015	16,459	15,092	15,092
	2016	16,459	14,915	14,915
	2017	16,459	15,478	15,478
Republic of Moldova	2014	*19	18	18
	2015	19	11	11
	2016	19	16	16
	2017	19	15	15
Romania	2014	23,032	11,666	11,666
	2015	18,968	11,530	11,530
	2016	18,824	12,194	12,194
	2017	18,853	12,484	12,461
Russian Federation	2014	*280,000	292,845	286,505
	2015	287,200	282,140	282,886
	2016	*287,200	285,260	273,944
	2017	*287,200	289,136	269,420
Serbia	2014	10,715	3,132	3,110
	2015	10,715	3,402	3,382
	2016	10,715	3,456	3,435
	2017	10,715	3,659	3,638
Slovakia	2014	5,736	5,745	5,725
	2015	5,736	6,487	6,437
	2016	5,736	6,274	6,214
	2017	*5,736	6,150	6,119
Slovenia	2014	674	..	..
	2015	673	..	..
	2016	673	..	..
	2017	673	..	..
Spain	2014	71,197	61,169	60,290
	2015	71,197	65,663	64,967
	2016	71,197	65,696	64,893
	2017	71,197	66,825	65,766
Sweden	2014	21,796	20,280	19,799
	2015	21,796	21,214	20,667
	2016	21,796	21,085	20,411
	2017	*21,796	20,703	20,132
Switzerland	2014	3,591	4,964	4,940
	2015	3,392	2,874	2,837
	2016	3,392	3,007	3,005
	2017	3,392	2,895	2,877

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Ukraine	2014	43,878	3,210	3,323
	2015	43,878	2,949	2,849
	2016	43,944	3,014	2,851
	2017	43,566	3,584	3,050
United Kingdom	2014	69,910	61,527	60,678
	2015	69,312	61,440	60,933
	2016	69,312	60,424	59,985
	2017	*62,300	60,255	59,965
Oceania	2014	33,923	37,086	35,034
	2015	29,262	33,503	31,959
	2016	29,262	30,339	28,764
	2017	30,658	29,684	27,791
Australia	2014	26,990	30,808	28,863
	2015	22,329	27,260	25,716
	2016	22,329	23,410	21,873
	2017	22,329	22,736	21,134
New Zealand	2014	5,337	5,238	5,208
	2015	5,337	5,635	5,612
	2016	5,337	5,522	5,522
	2017	6,733	5,527	5,343
Papua New Guinea	2014	1,596	1,040	963
	2015	1,596	608	631
	2016	1,596	1,407	1,369
	2017	*1,596	1,421	*1,314

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Table Notes

Production includes output from refineries and plants.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 45: Production of LPG by region, 1990-2017

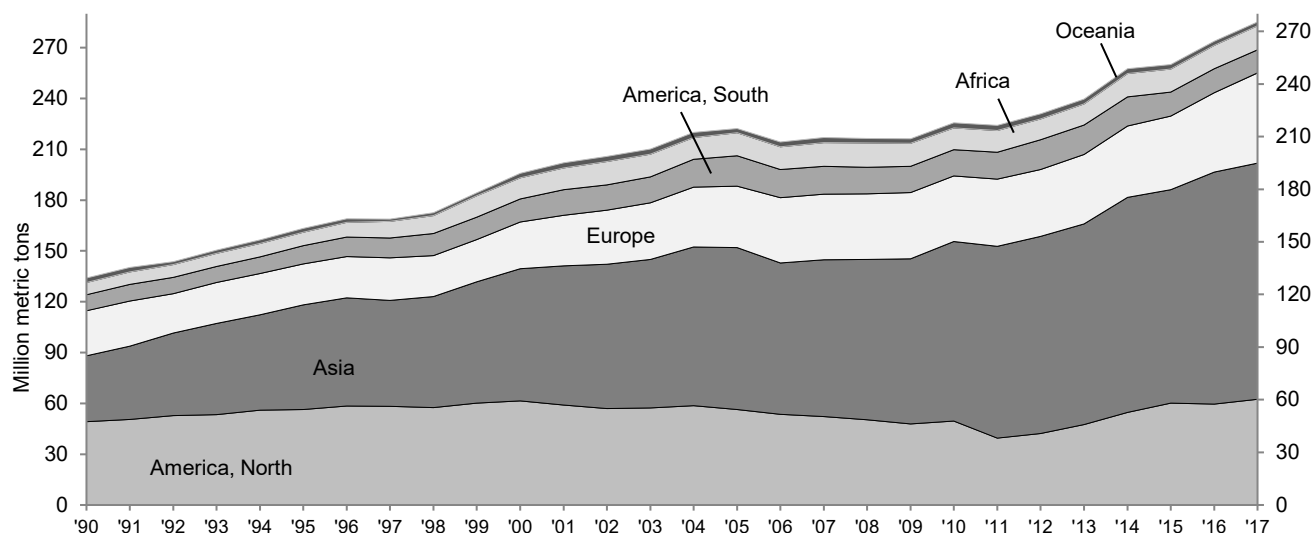


Figure 46: Major LPG producing countries, 2017

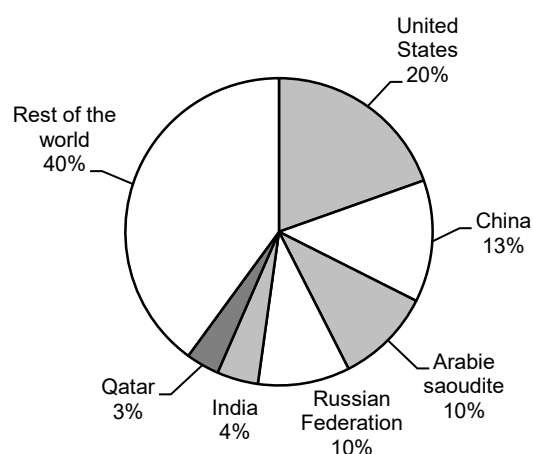


Figure 47: Major LPG consuming countries, 2017

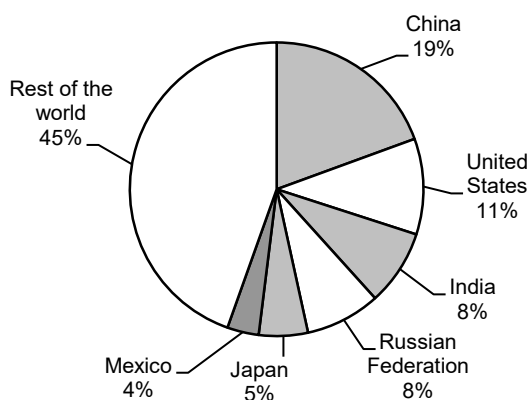


Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	257,605	89,107	99,232	4,426	243,055	33
	2015	260,030	98,939	100,983	1,870	256,116	35
	2016	273,726	110,272	119,195	-1,463	266,266	36
	2017	285,162	114,730	118,422	538	280,932	37
Africa	2014	13,785	6,240	8,318	-12	11,718	10
	2015	13,707	6,634	8,713	-192	11,820	10
	2016	13,811	6,942	8,731	-35	12,057	10
	2017	14,230	7,562	8,013	59	13,720	11
Algeria	2014	9,176	..	7,191	-12	1,997	51
	2015	9,351	..	7,564	-110	1,897	48
	2016	9,358	..	7,310	9	2,039	50
	2017	9,155	..	6,932	24	2,199	53
Angola	2014	551	52	377	..	226	8
	2015	565	166	424	..	307	11
	2016	*551	71	567	..	55	2
	2017	1,227	355	186	..	1,396	47
Benin	2014	..	11	..	..	11	1
	2015	..	15	..	-2	17	2
	2016	..	16	..	1	15	1
	2017	..	17	..	..	17	2
Botswana	2014	..	24	..	..	24	11
	2015	..	6	..	..	6	3
	2016	..	11	..	..	11	5
	2017	..	11	..	..	11	5
Burkina Faso	2014	..	61	..	*6	55	3
	2015	..	66	..	*4	62	3
	2016	..	74	..	*2	72	4
	2017	..	85	..	*6	79	4
Burundi	2014	..	1	..	..	1	0
	2015	..	1	..	..	1	0
	2016	..	0	..	..	0	0
	2017	..	0	..	..	0	0
Cabo Verde	2014	..	11	..	..	11	21
	2015	..	*12	..	..	*12	*22
	2016	..	13	..	..	13	24
	2017	..	*13	..	..	*13	*23
Cameroon	2014	12	80	..	..	92	4
	2015	13	73	..	..	86	4
	2016	13	76	..	..	89	4
	2017	11	79	..	..	90	4
Chad	2014	*59	..	*38	..	*21	*2
	2015	*59	..	*38	..	*21	*1
	2016	*52	..	*31	..	*21	*1
	2017	*52	..	*30	..	*22	*1
Congo	2014	8	..	..	..	8	2
	2015	7	..	..	..	7	1
	2016	7	..	..	..	7	1
	2017	8	..	..	..	8	2
Côte d'Ivoire	2014	17	188	5	..	200	9
	2015	14	233	15	..	232	10
	2016	22	248	1	..	269	11
	2017	*16	*297	1	..	*312	*13

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Djibouti	2014	..	19	..	..	19	21
	2015	..	19	..	..	19	20
	2016	..	15	..	..	15	16
	2017	..	*15	..	..	*15	*16
Egypt	2014	2,019	2,191	..	-18	4,228	46
	2015	1,939	2,333	..	-18	4,290	46
	2016	1,852	2,444	..	-25	4,321	45
	2017	1,763	2,444	..	35	4,172	43
Equatorial Guinea	2014	587	..	590	*-28	25	22
	2015	542	..	553	*-37	26	22
	2016	605	..	604	*-26	27	22
	2017	660	..	656	-21	26	21
Eritrea	2014	..	2	..	..	2	1
	2015	..	2	..	..	2	1
	2016	..	2	..	..	2	1
	2017	..	2	..	..	2	1
Eswatini	2014	..	6	..	..	6	5
	2015	..	*6	..	..	*6	*5
	2016	..	*6	..	..	*6	*5
	2017	..	0	..	..	0	0
Ethiopia	2014	..	7	..	..	7	0
	2015	..	7	..	..	7	0
	2016	..	8	..	..	8	0
	2017	..	9	..	..	9	0
Gabon	2014	13	23	..	..	36	19
	2015	13	23	..	..	36	19
	2016	13	23	..	..	36	18
	2017	13	23	..	..	36	18
Gambia	2014	..	2	..	..	2	1
	2015	..	*2	..	..	*2	*1
	2016	..	*2	..	..	*2	*1
	2017	..	*2	..	..	*2	*1
Ghana	2014	3	236	0	..	240	9
	2015	2	198	0	..	200	7
	2016	114	178	25	..	267	9
	2017	114	202	40	..	276	10
Guinea-Bissau	2014	..	*3	..	..	*3	*2
	2015	..	*3	..	..	*3	*2
	2016	..	*3	..	..	*3	*2
	2017	..	*3	..	..	*3	*2
Kenya	2014	0	159	9	0	150	3
	2015	0	154	6	0	149	3
	2016	0	172	3	0	169	3
	2017	0	190	1	0	189	4
Lesotho	2014	..	7	..	..	7	3
	2015	..	7	..	..	7	3
	2016	..	7	..	..	7	3
	2017	..	9	..	..	9	4
Liberia	2014	..	*3	..	..	*3	*1
	2015	..	*3	..	..	*3	*1
	2016	..	*3	..	..	*3	*1
	2017	..	*3	..	..	*3	*1

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Libya	2014	351	..	48	..	303	49
	2015	316	..	52	..	264	42
	2016	311	..	42	..	269	43
	2017	320	..	43	..	277	43
Madagascar	2014	..	10	..	0	10	0
	2015	..	11	..	0	11	0
	2016	..	14	..	0	14	1
	2017	..	12	..	*-2	14	1
Malawi	2014	..	*2	..	..	*2	0
	2015	..	*2	..	..	*2	0
	2016	..	*3	..	..	*3	0
	2017	..	*3	..	..	*3	0
Mali	2014	..	12	..	..	12	1
	2015	..	11	..	..	11	1
	2016	..	15	..	..	15	1
	2017	..	*15	..	..	*15	*1
Mauritania	2014	..	53	..	..	53	13
	2015	..	*47	..	..	*47	*11
	2016	..	*45	..	..	*45	*10
	2017	..	61	..	..	61	14
Mauritius	2014	..	71	..	0	71	56
	2015	..	72	..	-1	73	58
	2016	..	167	*91	1	75	59
	2017	..	149	..	74	75	59
Morocco	2014	99	2,255	..	39	2,315	66
	2015	29	2,306	..	-31	2,366	67
	2016	0	2,472	..	7	2,465	69
	2017	..	2,493	..	-59	2,552	70
Mozambique	2014	..	23	..	..	23	1
	2015	..	19	..	-1	19	1
	2016	..	19	..	0	19	1
	2017	..	30	..	2	28	1
Namibia	2014	..	12	..	..	12	5
	2015	..	11	..	..	11	5
	2016	..	11	..	..	11	4
	2017	..	11	..	..	11	4
Niger	2014	57	0	*21	*-1	37	2
	2015	44	2	14	0	31	2
	2016	35	0	4	0	32	2
	2017	47	0	*15	0	32	1
Nigeria	2014	72	..	..	..	72	0
	2015	39	..	..	..	39	0
	2016	66	..	..	..	66	0
	2017	79	..	..	..	79	0
Sao Tome and Principe	2014	..	0	..	..	0	*1
	2015	..	0	..	..	0	*1
	2016	..	0	..	..	0	*1
	2017	..	0	..	..	0	0
Senegal	2014	3	112	6	-1	110	8
	2015	5	127	9	0	123	8
	2016	3	147	14	-1	137	9
	2017	3	137	..	..	140	9

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Seychelles	2014	..	3	..	..	3	37
	2015	..	4	..	..	4	45
	2016	..	3	..	..	3	37
	2017	..	5	..	..	5	52
Somalia	2014	..	*6	..	..	*6	0
	2015	..	*6	..	..	*6	0
	2016	..	*6	..	..	*6	0
	2017	..	*6	..	..	*6	0
South Africa	2014	259	25	33	..	251	5
	2015	299	53	37	..	315	6
	2016	269	99	38	..	330	6
	2017	283	182	104	..	361	6
South Sudan	2014	..	2	..	..	2	0
	2015	..	4	..	..	4	0
	2016	..	3	..	..	3	0
	2017	..	3	..	..	3	0
Sudan	2014	322	128	0	..	449	12
	2015	304	142	..	..	446	12
	2016	373	57	..	..	430	11
	2017	329	115	..	..	444	11
Togo	2014	..	7	..	..	7	1
	2015	..	7	..	..	7	1
	2016	..	7	..	..	7	1
	2017	..	7	..	..	7	1
Tunisia	2014	167	342	..	3	506	45
	2015	156	384	..	3	537	48
	2016	160	363	..	-3	526	46
	2017	142	420	..	0	562	49
Uganda	2014	..	7	..	..	7	0
	2015	..	6	..	..	6	0
	2016	..	*6	..	..	*6	0
	2017	..	*6	..	..	*6	0
United Rep. of Tanzania	2014	..	69	..	..	69	1
	2015	..	71	..	..	71	1
	2016	..	107	..	..	107	2
	2017	..	121	..	..	121	2
Zambia	2014	11	..	0	..	11	1
	2015	10	..	1	..	9	1
	2016	7	..	2	..	5	0
	2017	8	..	5	..	3	0
Zimbabwe	2014	..	14	..	..	14	1
	2015	..	20	..	..	20	1
	2016	..	25	..	..	25	2
	2017	..	26	..	..	26	2
America, North	2014	54,619	8,905	16,711	3,191	43,623	77
	2015	60,031	9,804	22,981	1,564	45,289	79
	2016	59,554	11,738	28,604	-2,002	44,690	78
	2017	62,402	13,692	32,581	-264	43,777	75
Anguilla	2014	..	6	..	..	6	394
	2015	..	9	..	..	9	623
	2016	..	9	..	..	9	616
	2017	..	*9	..	..	*9	*577

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Antigua and Barbuda	2014	..	*3	..	..	*3	*34
	2015	..	*4	..	..	*4	*35
	2016	..	*4	..	..	*4	*36
	2017	..	*4	..	..	*4	*35
Aruba	2014	..	*10	..	..	*10	*99
	2015	..	*11	..	..	*11	*103
	2016	..	*11	..	..	*11	*102
	2017	..	*11	..	..	*11	*104
Bahamas	2014	..	16	..	..	16	42
	2015	..	19	..	..	19	49
	2016	..	14	..	..	14	37
	2017	..	14	..	..	14	36
Barbados	2014	..	7	..	0	7	24
	2015	..	7	..	0	7	26
	2016	..	8	..	0	8	26
	2017	..	8	..	0	8	27
Belize	2014	1	4	..	..	5	14
	2015	1	20	..	..	21	58
	2016	1	20	..	..	21	57
	2017	1	25	..	..	26	71
Bermuda	2014	..	7	..	..	7	116
	2015	..	3	..	..	3	55
	2016	..	26	..	..	26	414
	2017	..	4	..	..	4	71
Bonaire, St Eustatius, Saba	2014	..	*8	..	..	*8	*341
	2015	..	*8	..	..	*8	*338
	2016	..	*8	..	..	*8	*336
	2017	..	*9	..	..	*9	*335
Canada	2014	1,287	201	581	72	835	23
	2015	1,272	123	356	-121	1,160	32
	2016	1,165	244	137	-110	1,382	38
	2017	1,524	249	144	33	1,596	44
Cayman Islands	2014	..	3	..	..	3	51
	2015	..	4	..	..	4	67
	2016	..	5	..	..	5	82
	2017	..	5	..	..	5	81
Costa Rica	2014	..	134	..	0	134	28
	2015	..	140	..	-3	143	30
	2016	..	158	..	1	157	32
	2017	..	173	..	4	169	34
Cuba	2014	67	80	..	..	147	13
	2015	51	79	..	..	130	11
	2016	36	77	..	..	113	10
	2017	51	115	..	..	167	15
Curaçao	2014	55	3	46	..	12	77
	2015	59	0	49	..	10	63
	2016	45	0	38	..	7	44
	2017	37	..	32	..	5	31
Dominica	2014	..	*2	..	..	*2	*32
	2015	..	*2	..	..	*2	*32
	2016	..	*2	..	..	*2	*32
	2017	..	*2	..	..	*2	*31

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Dominican Republic	2014	16	829	..	-5	849	82
	2015	7	918	..	4	921	87
	2016	16	961	..	-2	980	92
	2017	11	977	..	-2	989	92
El Salvador	2014	0	280	6	0	274	44
	2015	0	287	0	6	281	45
	2016	0	311	110	1	200	32
	2017	..	322	142	..	180	28
Greenland	2014	..	0	..	..	0	1
	2015	..	0	..	..	0	1
	2016	..	0	..	..	0	1
	2017	..	0	..	..	0	1
Grenada	2014	..	4	..	..	4	40
	2015	..	4	..	..	4	42
	2016	..	4	..	..	4	38
	2017	..	4	..	..	4	39
Guatemala	2014	..	280	94	-15	202	13
	2015	..	340	103	3	235	14
	2016	..	369	109	8	251	15
	2017	..	581	169	17	395	23
Haiti	2014	..	8	..	..	8	1
	2015	..	16	..	..	16	1
	2016	..	16	..	..	16	1
	2017	..	17	..	..	17	2
Honduras	2014	..	497	394	-17	120	14
	2015	..	135	402	-399	132	15
	2016	..	141	209	-227	159	17
	2017	..	162	0	0	162	17
Jamaica	2014	6	67	..	0	73	25
	2015	7	72	..	0	78	27
	2016	9	68	..	1	76	26
	2017	13	87	..	1	99	34
Mexico	2014	6,006	2,893	18	15	8,866	71
	2015	5,171	3,488	1	186	8,472	67
	2016	4,722	4,556	154	39	9,085	71
	2017	4,311	5,587	178	-54	9,774	76
Montserrat	2014	..	1	..	0	1	118
	2015	..	1	..	0	1	98
	2016	..	0	..	0	0	58
	2017	..	1	..	0	1	116
Nicaragua	2014	10	83	..	0	93	15
	2015	13	90	..	-1	104	17
	2016	18	100	..	0	118	19
	2017	20	104	..	0	124	20
Panama	2014	..	199	0	29	170	44
	2015	..	222	0	33	189	48
	2016	..	222	0	23	199	49
	2017	..	288	0	-40	328	80
Sint Maarten (Dutch part)	2014	..	*2	..	..	*2	*50
	2015	..	*2	..	..	*2	*52
	2016	..	*2	..	..	*2	*51
	2017	..	*2	..	..	*2	*47

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
St. Kitts-Nevis	2014	..	*2	..	..	*2	*35
	2015	..	*2	..	..	*2	*37
	2016	..	*2	..	..	*2	*38
	2017	..	*2	..	..	*2	*38
St. Lucia	2014	..	*6	..	..	*6	*35
	2015	..	*6	..	..	*6	*35
	2016	..	*6	..	..	*6	*35
	2017	..	*6	..	..	*6	*35
St. Vincent-Grenadines	2014	..	7	..	..	7	68
	2015	..	11	..	..	11	103
	2016	..	9	..	..	9	79
	2017	..	*9	..	..	*9	*79
Trinidad and Tobago	2014	696	..	558	95	43	32
	2015	665	..	494	113	58	43
	2016	561	..	379	188	-6	-4
	2017	610	..	433	163	14	10
United States	2014	46,476	3,262	15,014	3,017	31,707	100
	2015	52,785	3,779	21,576	1,744	33,244	104
	2016	52,981	4,386	27,468	-1,924	31,823	99
	2017	55,824	4,916	31,483	-386	29,643	91
America, South	2014	17,107	3,996	2,888	166	18,050	44
	2015	14,105	3,567	1,151	13	16,507	40
	2016	14,165	3,953	1,058	-177	17,237	41
	2017	13,665	4,131	1,162	-56	16,690	39
Argentina	2014	2,620	..	874	4	1,742	41
	2015	2,583	..	855	0	1,728	40
	2016	2,604	..	879	-27	1,752	40
	2017	2,577	..	891	35	1,651	37
Bolivia (Plur. State of)	2014	396	0	37	0	359	34
	2015	410	0	43	-1	368	34
	2016	511	..	121	-4	394	36
	2017	496	..	109	-3	390	35
Brazil	2014	5,297	2,010	10	9	7,288	36
	2015	5,477	1,722	15	2	7,182	35
	2016	5,417	1,864	0	-40	7,321	35
	2017	5,492	1,777	1	59	7,209	34
Chile	2014	316	945	24	-8	1,245	71
	2015	305	777	37	33	1,012	57
	2016	251	1,070	12	-31	1,340	75
	2017	286	1,047	72	-6	1,267	70
Colombia	2014	593	0	31	..	562	12
	2015	636	1	20	..	617	13
	2016	795	11	46	..	761	16
	2017	873	62	35	..	900	18
Ecuador	2014	185	883	..	1	1,068	67
	2015	141	890	..	-1	1,032	64
	2016	252	814	..	1	1,065	65
	2017	256	814	..	-1	1,071	64
Guyana	2014	..	17	..	0	16	21
	2015	..	17	..	0	17	22
	2016	..	16	..	-2	18	24
	2017	..	16	..	-1	17	22

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Paraguay	2014	..	82	..	1	81	12
	2015	..	85	..	2	83	13
	2016	..	92	..	11	81	12
	2017	..	84	..	3	81	12
Peru	2014	1,808	0	18	160	1,630	53
	2015	1,655	19	25	-21	1,670	53
	2016	1,641	34	0	-84	1,759	55
	2017	1,551	222	54	-140	1,858	58
Suriname	2014	..	14	..	..	14	26
	2015	..	14	..	..	14	26
	2016	..	13	..	..	13	23
	2017	..	13	..	..	13	24
Uruguay	2014	81	44	..	-2	126	37
	2015	80	42	..	-1	123	36
	2016	96	38	..	0	135	39
	2017	22	96	..	-3	121	35
Venezuela (Bolivar. Rep.)	2014	5,811	..	1,894	..	3,917	127
	2015	2,818	..	157	..	2,661	85
	2016	2,598	..	0	..	2,598	82
	2017	2,111	..	0	..	2,111	66
Asia	2014	126,972	48,752	53,199	907	121,618	28
	2015	126,128	55,910	48,255	477	133,307	30
	2016	136,949	63,082	59,074	908	140,050	31
	2017	139,418	65,543	56,273	631	148,058	33
Armenia	2014	..	7	..	..	7	2
	2015	..	7	..	..	7	2
	2016	..	4	..	..	4	1
	2017	..	6	..	..	6	2
Azerbaijan	2014	202	..	35	-3	170	18
	2015	172	..	15	4	153	16
	2016	200	..	59	0	141	14
	2017	212	..	82	-3	133	14
Bahrain	2014	104	..	39	7	58	43
	2015	159	..	71	26	62	45
	2016	162	..	79	18	65	46
	2017	149	..	66	14	69	46
Bangladesh	2014	18	..	..	..	18	0
	2015	18	..	..	..	18	0
	2016	18	..	..	..	18	0
	2017	18	..	..	..	18	0
Bhutan	2014	..	7	..	..	7	9
	2015	..	7	..	..	7	9
	2016	..	8	..	..	8	10
	2017	..	8	..	..	8	10
Brunei Darussalam	2014	16	..	..	..	16	39
	2015	18	..	..	..	18	43
	2016	16	..	..	..	16	38
	2017	17	..	..	..	17	40
Cambodia	2014	..	112	..	..	112	7
	2015	..	162	..	..	162	10
	2016	..	194	..	..	194	12
	2017	..	224	..	..	224	14

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
China	2014	27,058	7,394	1,444	80	32,927	24
	2015	29,344	12,440	1,442	260	40,082	29
	2016	35,039	16,785	1,323	160	50,340	36
	2017	36,625	19,219	1,322	-59	54,581	39
China, Hong Kong SAR	2014	..	399	0	-5	404	56
	2015	..	378	0	3	375	52
	2016	..	362	0	-11	373	51
	2017	..	378	..	41	337	46
China, Macao SAR	2014	..	44	..	..	44	75
	2015	..	45	..	..	45	75
	2016	..	43	..	..	43	70
	2017	..	42	..	..	42	67
Cyprus	2014	..	48	..	0	48	42
	2015	..	54	..	0	54	47
	2016	..	53	..	..	53	45
	2017	..	55	..	1	54	46
Georgia	2014	..	18	..	0	18	5
	2015	..	15	..	-3	18	5
	2016	..	13	..	-4	16	4
	2017	..	15	..	-1	17	4
India	2014	11,727	8,318	254	0	19,791	15
	2015	11,057	8,885	195	0	19,747	15
	2016	11,326	11,026	317	0	22,035	17
	2017	12,380	11,382	359	..	23,403	17
Indonesia	2014	3,140	3,590	4	..	6,726	26
	2015	2,331	6,044	26	..	8,349	32
	2016	2,302	4,435	65	..	6,672	26
	2017	2,033	5,475	93	-41	7,456	28
Iran (Islamic Rep. of)	2014	7,030	37	2,503	..	4,564	58
	2015	7,717	0	2,639	..	5,077	64
	2016	4,943	0	2,745	199	1,999	25
	2017	4,891	0	2,555	0	2,336	29
Iraq	2014	1,206	328	..	-134	1,668	48
	2015	820	248	..	-411	1,479	41
	2016	1,369	297	..	1	1,665	45
	2017	1,622	0	..	-29	1,651	43
Israel	2014	436	189	144	1	480	60
	2015	381	245	167	-6	465	58
	2016	354	273	170	-2	459	56
	2017	358	308	186	6	474	57
Japan	2014	4,242	11,673	46	106	15,763	123
	2015	4,320	10,913	90	136	15,007	117
	2016	4,210	10,542	76	-56	14,732	115
	2017	4,475	10,740	86	-29	15,158	119
Jordan	2014	91	282	..	5	367	42
	2015	79	330	..	-10	419	46
	2016	80	322	..	-6	408	43
	2017	78	382	..	6	454	47
Kazakhstan	2014	2,388	1	1,917	16	456	26
	2015	2,068	1	1,997	0	72	4
	2016	*2,111	2	1,876	8	*229	*13
	2017	2,315	1	2,031	..	285	16

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Korea, Republic of	2014	2,099	5,344	114	174	7,155	142
	2015	2,187	5,270	107	-297	7,647	151
	2016	2,244	7,250	164	78	9,252	182
	2017	2,773	6,363	210	169	8,757	172
Kuwait	2014	4,582	..	4,399	..	183	48
	2015	4,892	..	4,791	..	101	26
	2016	6,032	..	5,574	..	458	113
	2017	7,038	..	6,462	..	576	139
Kyrgyzstan	2014	..	0	..	..	0	0
	2015	13	5	..	..	18	3
	2016	27	11	..	-1	39	7
	2017	44	45	..	..	89	15
Lao People's Dem. Rep.	2014	..	2	..	..	2	0
	2015	..	2	..	..	2	0
	2016	..	*2	..	..	*2	0
	2017	..	*2	..	..	*2	0
Lebanon	2014	..	220	..	..	220	35
	2015	..	239	..	..	239	37
	2016	..	239	..	..	239	36
	2017	..	235	..	..	235	34
Malaysia	2014	2,661	382	318	-61	2,786	92
	2015	2,239	322	250	-148	2,459	80
	2016	3,074	450	326	-28	3,226	103
	2017	3,102	405	191	-19	3,335	105
Maldives	2014	..	14	..	..	14	31
	2015	..	12	..	..	12	27
	2016	..	14	..	..	14	29
	2017	..	14	..	..	14	29
Myanmar	2014	4	23	..	-3	29	1
	2015	4	23	..	-3	29	1
	2016	6	22	..	-2	30	1
	2017	8	39	..	-3	50	1
Nepal	2014	..	258	..	..	258	9
	2015	..	222	..	..	222	8
	2016	..	362	..	..	362	12
	2017	..	371	..	..	371	13
Oman	2014	573	..	455	..	118	30
	2015	564	..	422	..	142	34
	2016	532	..	376	..	156	35
	2017	657	..	464	..	193	42
Other Asia	2014	976	1,700	44	72	2,560	109
	2015	936	1,353	8	12	2,269	97
	2016	1,108	1,722	4	-30	2,856	121
	2017	1,018	1,260	26	-31	2,283	97
Pakistan	2014	469	121	..	..	590	3
	2015	641	199	..	..	840	4
	2016	667	498	..	..	1,165	6
	2017	*963	495	..	..	*1,458	*7
Philippines	2014	294	798	0	2	1,090	11
	2015	454	832	5	4	1,277	13
	2016	460	997	3	4	1,449	14
	2017	446	1,194	6	13	1,621	15

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Qatar	2014	10,968	..	10,041	..	927	390
	2015	10,115	..	9,152	..	963	388
	2016	10,169	..	9,232	..	937	365
	2017	10,014	..	9,030	..	984	373
Saudi Arabia	2014	27,325	..	22,871	4	4,450	145
	2015	27,370	..	20,293	-3	7,080	224
	2016	29,169	..	25,103	14	4,052	126
	2017	28,804	..	*24,601	-12	4,216	128
Singapore	2014	317	101	213	..	206	38
	2015	318	83	223	..	178	32
	2016	333	9	236	..	106	19
	2017	224	218	317	..	125	22
Sri Lanka	2014	28	198	..	-5	232	11
	2015	10	277	..	-7	293	14
	2016	9	345	..	-2	356	17
	2017	19	205	..	-187	412	20
State of Palestine	2014	..	148	..	..	148	33
	2015	..	167	..	..	167	36
	2016	..	172	..	..	172	36
	2017	..	190	..	..	190	39
Syrian Arab Republic	2014	151	320	..	..	471	25
	2015	132	324	..	..	456	24
	2016	139	320	..	..	459	25
	2017	137	264	..	..	401	22
Tajikistan	2014	..	295	..	..	295	35
	2015	..	336	..	..	336	39
	2016	..	349	..	..	349	40
	2017	..	353	..	..	353	40
Thailand	2014	6,126	2,099	10	698	7,517	110
	2015	6,136	1,370	36	775	6,695	98
	2016	6,352	456	82	593	6,133	89
	2017	6,689	642	247	746	6,338	92
Turkey	2014	699	3,118	113	-47	3,751	49
	2015	899	3,462	258	145	3,958	51
	2016	972	3,419	214	-25	4,202	53
	2017	1,015	3,387	269	41	4,092	51
Turkmenistan	2014	994	..	..	..	994	182
	2015	1,034	..	..	..	1,034	186
	2016	998	..	..	..	998	176
	2017	1,015	..	..	..	1,015	176
United Arab Emirates	2014	9,681	40	8,140	..	1,581	174
	2015	8,789	40	5,728	..	3,101	339
	2016	*11,559	438	10,777	..	*1,220	*132
	2017	9,344	..	7,670	8	1,666	177
Uzbekistan	2014	17	0	..	..	17	1
	2015	16	..	0	..	16	1
	2016	15	..	..	..	15	0
	2017	*15	..	..	..	*15	0
Viet Nam	2014	661	932	62	..	1,531	17
	2015	728	1,083	300	..	1,511	16
	2016	799	1,231	272	..	1,758	19
	2017	761	1,364	..	..	2,125	22

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Yemen	2014	690	*192	33	..	849	32
	2015	168	*517	40	..	*645	*24
	2016	*156	*419	..	..	*575	*21
	2017	*158	*261	..	..	*419	*15
Europe	2014	42,141	20,787	16,720	135	46,073	62
	2015	43,390	22,434	18,694	49	47,080	63
	2016	46,847	23,986	20,598	-237	50,472	68
	2017	53,199	23,191	19,173	205	57,013	77
Albania	2014	..	157	0	36	121	41
	2015	..	184	0	48	136	47
	2016	..	189	0	49	140	48
	2017	..	252	0	90	162	55
Andorra	2014	..	*2	..	..	*2	*27
	2015	..	*2	..	..	*2	*28
	2016	..	*2	..	..	*2	*28
	2017	..	*2	..	..	*2	*29
Austria	2014	65	64	21	3	105	12
	2015	139	54	83	3	107	12
	2016	122	53	68	2	105	12
	2017	102	62	62	-3	105	12
Belarus	2014	504	40	432	11	101	11
	2015	472	61	446	-3	90	9
	2016	358	65	346	-11	88	9
	2017	410	251	591	-4	74	8
Belgium	2014	707	1,830	669	6	1,862	166
	2015	671	1,891	764	-8	1,806	160
	2016	697	1,681	818	23	1,537	135
	2017	738	1,671	845	-13	1,577	138
Bosnia and Herzegovina	2014	24	43	..	1	66	19
	2015	24	45	..	1	68	19
	2016	19	63	..	..	82	23
	2017	24	76	..	..	100	29
Bulgaria	2014	98	348	16	-6	436	60
	2015	102	395	15	11	471	66
	2016	103	416	19	-6	506	71
	2017	120	407	20	5	502	71
Croatia	2014	225	44	132	-2	139	33
	2015	248	36	143	1	140	33
	2016	248	54	155	2	145	34
	2017	284	47	188	-1	144	34
Czechia	2014	208	167	82	3	290	27
	2015	220	176	140	-2	258	24
	2016	255	183	139	5	294	28
	2017	358	172	90	-1	441	42
Denmark	2014	118	17	100	-4	39	7
	2015	116	26	95	1	46	8
	2016	94	32	78	-2	50	9
	2017	106	35	85	3	53	9
Estonia	2014	..	16	6	1	9	7
	2015	..	26	13	0	13	10
	2016	..	36	14	1	21	16
	2017	..	40	15	..	25	19

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Finland	2014	293	781	15	35	1,024	188
	2015	241	776	1	-15	1,031	188
	2016	275	738	10	-57	1,060	193
	2017	285	707	..	103	889	161
France	2014	1,493	3,754	1,061	-4	4,190	63
	2015	1,581	3,554	1,248	-27	3,914	59
	2016	1,528	3,483	1,188	-12	3,835	57
	2017	1,618	3,315	1,225	15	3,693	55
Germany	2014	2,518	672	276	-14	2,928	36
	2015	2,656	732	259	-3	3,132	38
	2016	2,744	790	189	-7	3,352	41
	2017	3,419	944	201	1	4,161	51
Greece	2014	735	39	244	-2	532	47
	2015	703	66	179	-2	592	53
	2016	824	33	250	6	601	54
	2017	837	43	309	-3	574	51
Hungary	2014	385	243	76	10	542	55
	2015	362	338	91	-10	619	63
	2016	222	375	94	3	500	51
	2017	188	461	96	6	547	56
Iceland	2014	..	2	..	..	2	6
	2015	..	3	..	..	3	9
	2016	..	3	..	..	3	9
	2017	..	2	..	..	2	6
Ireland	2014	60	98	30	1	127	27
	2015	46	108	14	0	140	30
	2016	41	122	17	..	146	31
	2017	49	132	24	1	156	33
Italy	2014	1,327	2,204	215	-35	3,351	56
	2015	1,299	2,262	236	-25	3,350	56
	2016	1,236	2,403	326	40	3,273	55
	2017	1,348	2,361	305	-44	3,448	58
Kosovo	2014	..	31	..	..	31	17
	2015	..	35	..	..	35	19
	2016	..	35	..	..	35	19
	2017	..	33	..	..	33	18
Latvia	2014	..	197	102	2	93	46
	2015	..	210	121	-1	90	45
	2016	..	232	139	2	91	46
	2017	..	239	145	2	92	47
Lithuania	2014	275	112	156	1	230	78
	2015	307	107	211	-1	204	70
	2016	345	79	213	0	211	73
	2017	363	82	242	-2	205	71
Luxembourg	2014	..	11	1	..	10	18
	2015	..	12	2	..	10	18
	2016	..	14	3	..	11	19
	2017	..	10	1	..	9	15
Malta	2014	..	22	..	1	21	49
	2015	..	23	..	..	23	54
	2016	..	17	..	1	16	37
	2017	..	24	..	-3	27	63

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Montenegro	2014	..	18	..	2	16	25
	2015	..	20	..	2	18	29
	2016	..	19	..	2	17	27
	2017	..	19	..	2	17	27
Netherlands	2014	1,632	3,425	1,629	38	3,390	201
	2015	1,745	4,531	2,546	74	3,656	216
	2016	1,650	3,686	2,420	-107	3,023	178
	2017	1,557	3,218	2,056	-21	2,740	161
North Macedonia	2014	0	63	1	-1	62	30
	2015	0	72	1	0	70	34
	2016	0	79	2	0	77	37
	2017	0	79	2	1	77	37
Norway	2014	5,749	225	5,758	-68	284	55
	2015	6,273	142	5,926	118	371	71
	2016	6,218	782	6,347	-83	736	140
	2017	6,442	206	5,062	21	1,565	295
Poland	2014	560	2,032	225	8	2,359	62
	2015	575	2,035	216	-6	2,400	63
	2016	601	2,196	259	12	2,526	66
	2017	545	2,488	448	-2	2,587	68
Portugal	2014	198	824	39	8	975	93
	2015	175	741	72	-1	845	81
	2016	240	685	66	7	852	82
	2017	214	595	32	-5	782	76
Republic of Moldova	2014	..	78	1	-1	78	19
	2015	..	74	0	-2	76	19
	2016	..	77	0	-1	78	19
	2017	..	72	..	..	72	18
Romania	2014	560	132	204	2	486	24
	2015	567	169	244	0	492	25
	2016	597	179	297	-1	480	24
	2017	617	233	312	4	534	27
Russian Federation	2014	18,227	138	3,391	-173	15,147	105
	2015	18,622	125	3,687	-46	15,106	105
	2016	22,259	112	4,877	-54	17,548	122
	2017	27,605	143	4,461	81	23,206	161
Serbia	2014	158	161	16	4	299	42
	2015	176	146	59	0	263	37
	2016	166	183	66	-2	285	41
	2017	127	144	54	-6	224	32
Slovakia	2014	155	49	71	0	133	24
	2015	181	43	63	2	159	29
	2016	176	49	69	-2	158	29
	2017	177	54	65	-1	167	31
Slovenia	2014	..	74	0	0	74	36
	2015	..	81	0	-1	82	40
	2016	..	80	0	0	80	39
	2017	..	88	..	2	86	41
Spain	2014	1,575	643	425	78	1,715	37
	2015	1,699	780	395	7	2,077	45
	2016	1,541	1,443	462	-40	2,562	55
	2017	1,401	1,296	563	-90	2,224	48

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Sweden	2014	423	1,100	387	175	961	99
	2015	473	986	568	-58	949	97
	2016	481	1,324	685	-26	1,146	116
	2017	421	1,215	619	6	1,011	102
Switzerland	2014	173	35	39	1	168	20
	2015	76	86	3	-2	161	19
	2016	104	71	8	0	167	20
	2017	107	70	14	..	163	19
Ukraine	2014	440	431	..	-12	883	20
	2015	341	598	..	8	931	21
	2016	409	1,081	..	27	1,463	33
	2017	411	1,119	..	43	1,487	34
United Kingdom	2014	3,256	465	899	30	2,792	43
	2015	3,300	683	853	-14	3,144	48
	2016	3,294	842	974	-8	3,170	48
	2017	3,326	784	1,042	18	3,050	46
Oceania	2014	2,979	427	1,395	39	1,972	51
	2015	2,670	590	1,188	-41	2,113	53
	2016	2,399	572	1,131	80	1,760	44
	2017	2,249	610	1,221	-36	1,674	41
Australia	2014	2,757	373	1,337	42	1,751	75
	2015	2,468	491	1,149	-49	1,859	78
	2016	2,213	470	1,081	83	1,519	63
	2017	2,054	512	1,209	-37	1,394	57
Fiji	2014	..	22	0	..	22	25
	2015	..	27	0	..	27	30
	2016	..	29	0	..	29	33
	2017	..	*30	0	..	*30	*33
French Polynesia	2014	..	*8	..	..	*8	*28
	2015	..	*8	..	..	*8	*28
	2016	..	*7	..	..	*7	*24
	2017	..	*7	..	..	*7	*25
Kiribati	2014	..	0	..	..	0	1
	2015	..	0	..	..	0	*1
	2016	..	0	..	..	0	*1
	2017	..	0	..	..	0	*1
Marshall Islands	2014	..	0	..	..	0	*3
	2015	..	0	..	..	0	*3
	2016	..	0	..	..	0	*3
	2017	..	0	..	..	0	*3
Nauru	2014	..	0	..	..	0	*1
	2015	..	0	..	..	0	*1
	2016	..	0	..	..	0	*1
	2017	..	0	..	..	0	*1
New Caledonia	2014	..	16	..	-1	17	64
	2015	..	31	..	0	31	117
	2016	..	32	..	-3	34	126
	2017	..	37	..	2	35	128
New Zealand	2014	210	1	58	-1	154	34
	2015	197	8	39	0	166	36
	2016	173	24	50	0	147	32
	2017	181	14	12	..	183	39

Table 17

Production, trade and supply of liquefied petroleum gases (LPG)

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Niue	2014	..	0	..	..	0	21
	2015	..	0	..	..	0	21
	2016	..	0	..	..	0	*22
	2017	..	0	..	..	0	*21
Papua New Guinea	2014	12	1	..	-1	14	2
	2015	5	17	..	8	14	2
	2016	13	1	..	..	14	2
	2017	*14	*1	..	*-1	*16	*2
Samoa	2014	..	2	..	..	2	9
	2015	..	5	..	..	5	24
	2016	..	*5	..	..	*5	*24
	2017	..	*5	..	..	*5	*24
Solomon Islands	2014	..	1	..	..	1	2
	2015	..	0	..	..	0	0
	2016	..	0	..	..	0	0
	2017	..	0	..	..	0	0
Tonga	2014	..	2	..	..	2	15
	2015	..	2	..	..	2	15
	2016	..	2	..	..	2	19
	2017	..	2	..	..	2	18
Tuvalu	2014	..	0	..	..	0	*2
	2015	..	0	..	..	0	*2
	2016	..	0	..	..	0	*2
	2017	..	0	..	..	0	*2
Vanuatu	2014	..	*1	..	..	*1	*5
	2015	..	*1	..	..	*1	*5
	2016	..	*1	..	..	*1	*5
	2017	..	*1	..	..	*1	*5
Wallis and Futuna Is.	2014	..	0	..	..	0	*22
	2015	..	0	..	..	0	*22
	2016	..	0	..	..	0	*22
	2017	..	0	..	..	0	*23

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Table Notes

Production includes output from refineries and plants, together with quantities from other sources which include any blended biogasoline.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 48: Production of motor gasoline by region, 1990-2017

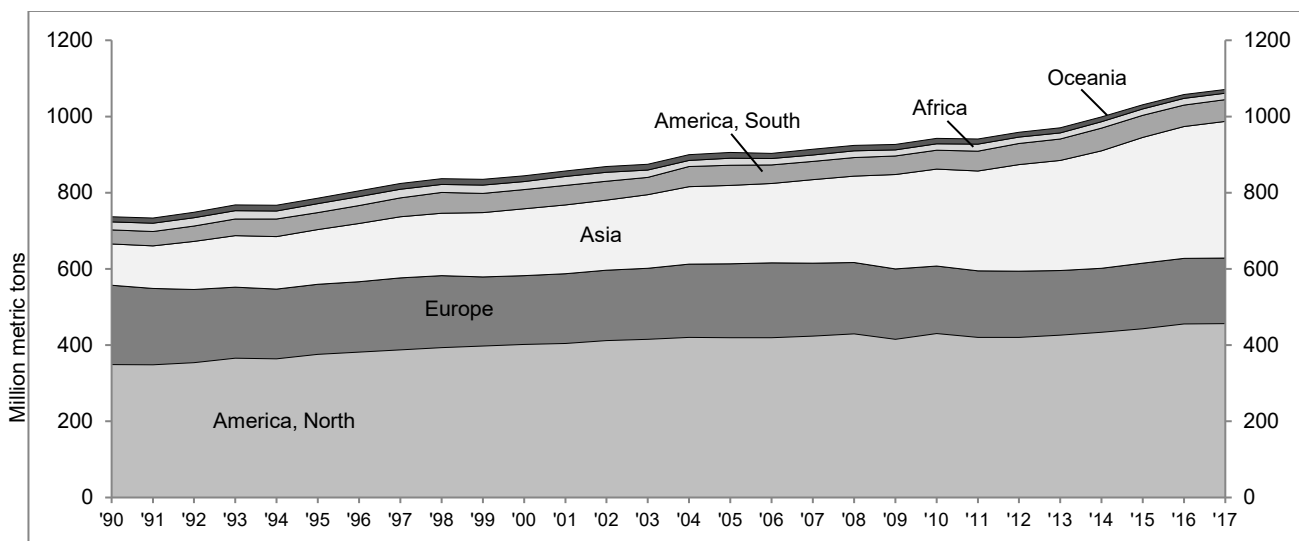


Figure 49: Major motor gasoline producing countries, 2017

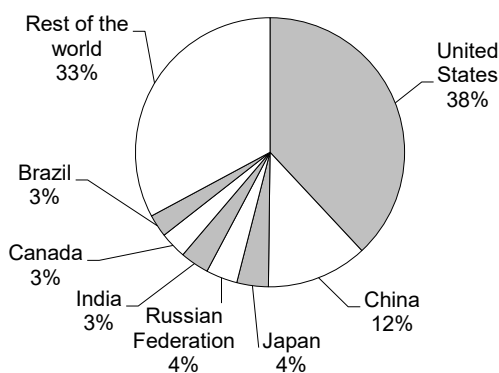


Figure 50: Major motor gasoline consuming countries, 2017

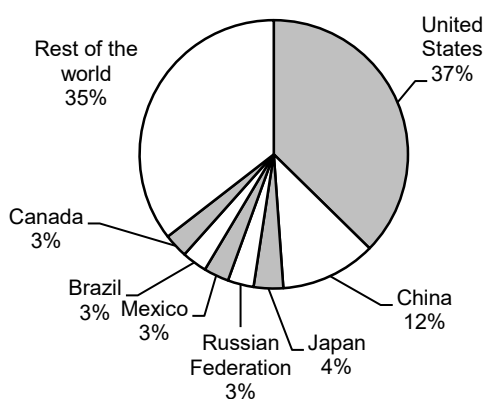


Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	999,097	199,270	188,563	9,121	1,000,683	137
	2015	1,031,356	213,218	214,600	-1,671	1,031,645	140
	2016	1,058,464	227,790	227,605	4,109	1,054,540	141
	2017	1,071,640	233,051	234,866	-367	1,070,191	142
Africa	2014	17,317	34,507	4,496	-138	47,466	41
	2015	16,610	33,004	4,155	101	45,358	38
	2016	17,610	35,630	2,591	832	49,817	41
	2017	16,911	40,159	2,433	125	54,513	44
Algeria	2014	3,007	1,033	..	-18	4,058	104
	2015	2,798	1,601	..	21	4,378	110
	2016	2,613	1,608	..	-13	4,234	104
	2017	2,547	1,554	..	19	4,082	99
Angola	2014	27	1,400	7	..	1,420	53
	2015	11	1,237	7	..	1,241	45
	2016	10	1,058	7	..	1,061	37
	2017	35	1,011	8	..	1,038	35
Benin	2014	..	721	..	..	721	70
	2015	..	777	..	-15	792	75
	2016	..	1,164	..	2	1,162	107
	2017	..	1,191	..	-19	1,210	108
Botswana	2014	..	355	..	..	355	164
	2015	..	307	..	..	307	139
	2016	..	409	..	..	409	182
	2017	..	440	..	..	440	192
Burkina Faso	2014	..	207	..	*-24	231	13
	2015	..	314	..	*67	248	14
	2016	..	257	..	*-22	278	15
	2017	..	320	..	*-45	365	19
Burundi	2014	..	51	..	-1	52	5
	2015	..	53	..	1	52	5
	2016	..	62	..	0	62	6
	2017	..	70	..	..	70	6
Cabo Verde	2014	..	7	..	..	7	14
	2015	..	8	..	..	8	15
	2016	..	9	..	..	9	16
	2017	..	*9	..	..	*9	*17
Cameroon	2014	273	120	30	0	363	16
	2015	295	237	38	-5	499	22
	2016	292	248	40	0	500	21
	2017	240	257	41	..	456	19
Central African Rep.	2014	..	*28	..	..	*28	*6
	2015	..	*29	..	..	*29	*6
	2016	..	*29	..	..	*29	*6
	2017	..	*29	..	..	*29	*6
Chad	2014	*264	..	*226	..	*38	*3
	2015	*264	..	*224	..	*40	*3
	2016	*231	..	*190	..	*41	*3
	2017	*231	..	*190	..	*41	*3
Comoros	2014	..	*11	..	..	*11	*15
	2015	..	*12	..	..	*12	*15
	2016	..	*13	..	..	*13	*16
	2017	..	*15	..	..	*15	*18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Congo	2014	78	86	..	..	164	34
	2015	68	102	..	..	170	34
	2016	56	134	..	..	190	37
	2017	64	88	..	..	152	29
Côte d'Ivoire	2014	548	..	252	-12	308	14
	2015	641	..	288	-16	369	16
	2016	693	..	230	0	462	20
	2017	*888	..	*309	-17	*596	*25
Dem. Rep. of the Congo	2014	..	513	..	..	513	7
	2015	..	303	..	..	303	4
	2016	..	239	..	..	239	3
	2017	..	257	..	..	257	3
Djibouti	2014	..	12	..	..	12	14
	2015	..	12	..	..	12	13
	2016	..	13	..	..	13	14
	2017	..	14	..	..	14	15
Egypt	2014	4,377	2,115	..	..	6,492	71
	2015	4,487	2,554	153	..	6,888	73
	2016	4,536	2,933	196	..	7,273	76
	2017	4,453	2,765	128	..	7,090	73
Equatorial Guinea	2014	..	*56	..	..	*56	*50
	2015	..	*59	..	..	*59	*50
	2016	..	*62	..	..	*62	*51
	2017	..	*65	..	..	*65	*52
Eritrea	2014	..	10	..	..	10	3
	2015	..	10	..	..	10	3
	2016	..	10	..	..	10	3
	2017	..	10	..	..	10	3
Eswatini	2014	..	101	..	..	101	92
	2015	..	107	..	..	107	97
	2016	..	115	..	..	115	103
	2017	..	123	..	..	123	109
Ethiopia	2014	..	238	..	-5	243	2
	2015	..	308	..	0	308	3
	2016	..	367	..	0	367	4
	2017	..	405	..	..	405	4
Gabon	2014	68	12	..	..	80	43
	2015	72	8	..	..	80	41
	2016	72	10	..	..	82	41
	2017	72	10	..	..	82	40
Gambia	2014	..	25	..	..	25	13
	2015	..	*25	..	..	*25	*12
	2016	..	*25	..	..	*25	*12
	2017	..	*25	..	..	*25	*12
Ghana	2014	40	1,254	10	11	1,273	47
	2015	32	1,182	10	0	1,204	44
	2016	244	1,236	272	0	1,208	43
	2017	7	1,304	184	42	1,084	38
Guinea	2014	..	267	..	..	267	23
	2015	..	281	..	..	281	23
	2016	..	306	..	..	306	25
	2017	..	*307	..	..	*307	*24

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Guinea-Bissau	2014	..	*2	..	..	*2	*1
	2015	..	*2	..	..	*2	*1
	2016	..	*2	..	..	*2	*1
	2017	..	*2	..	..	*2	*1
Kenya	2014	0	3,850	2,956	..	895	19
	2015	0	3,537	2,441	..	1,096	23
	2016	0	1,810	537	..	1,273	26
	2017	0	1,701	553	..	1,148	23
Lesotho	2014	..	77	..	..	77	36
	2015	..	87	..	..	87	40
	2016	..	94	..	..	94	42
	2017	..	133	..	..	133	60
Liberia	2014	..	129	..	..	129	29
	2015	..	149	..	..	149	33
	2016	..	*148	..	..	*148	*32
	2017	..	*130	..	..	*130	*27
Libya	2014	516	3,306	..	..	3,822	616
	2015	497	3,235	..	..	3,732	599
	2016	399	3,556	..	..	3,955	628
	2017	470	3,484	..	..	3,954	620
Madagascar	2014	..	74	..	*-19	92	4
	2015	..	128	..	0	128	5
	2016	..	109	..	*5	104	4
	2017	..	117	..	*13	104	4
Malawi	2014	..	81	..	..	81	5
	2015	..	99	..	..	99	6
	2016	..	123	..	..	123	7
	2017	..	137	..	..	137	7
Mali	2014	..	*154	..	..	*154	*9
	2015	..	*158	..	..	*158	*9
	2016	..	*158	..	..	*158	*9
	2017	..	*160	..	..	*160	*9
Mauritania	2014	..	31	..	..	31	8
	2015	..	*32	..	..	*32	*8
	2016	..	*31	..	..	*31	*7
	2017	..	42	..	..	42	9
Mauritius	2014	..	138	..	-3	141	112
	2015	..	155	..	4	151	120
	2016	..	169	..	3	165	131
	2017	..	172	..	-2	174	138
Morocco	2014	331	181	3	-31	540	16
	2015	186	437	0	20	603	17
	2016	0	649	1	-24	672	19
	2017	..	650	..	-41	691	19
Mozambique	2014	..	404	..	-30	434	16
	2015	..	294	..	0	294	10
	2016	..	502	..	*45	457	16
	2017	..	522	..	96	426	14
Namibia	2014	..	301	..	..	301	127
	2015	..	320	..	..	320	132
	2016	..	341	..	..	341	138
	2017	..	318	..	..	318	126

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Niger	2014	235	3	98	0	140	7
	2015	174	23	71	0	125	6
	2016	184	0	90	0	94	5
	2017	228	0	*94	0	134	6
Nigeria	2014	542	13,505	..	..	14,047	80
	2015	261	10,366	..	..	10,627	59
	2016	931	13,557	..	851	13,637	73
	2017	675	17,397	..	73	17,999	94
Rwanda	2014	..	78	..	..	78	7
	2015	..	88	..	..	88	8
	2016	..	96	..	..	96	8
	2017	..	96	..	..	96	8
Sao Tome and Principe	2014	..	*8	..	..	*8	*42
	2015	..	*8	..	..	*8	*43
	2016	..	*9	..	..	*9	*44
	2017	..	*9	..	..	*9	*44
Senegal	2014	52	113	24	-3	144	10
	2015	101	81	25	-8	165	11
	2016	116	68	23	-1	162	11
	2017	97	94	2	..	189	12
Seychelles	2014	..	20	..	..	20	216
	2015	..	19	..	..	19	206
	2016	..	20	..	..	20	215
	2017	..	27	..	..	27	287
Sierra Leone	2014	..	92	..	..	92	13
	2015	..	*74	..	..	*74	*10
	2016	..	*76	..	..	*76	*10
	2017	..	*76	..	..	*76	*10
Somalia	2014	..	*34	..	..	*34	*3
	2015	..	*34	..	..	*34	*2
	2016	..	*34	..	..	*34	*2
	2017	..	*34	..	..	*34	*2
South Africa	2014	5,796	851	732	..	5,915	108
	2015	5,583	1,383	803	..	6,163	111
	2016	5,949	1,033	858	..	6,124	109
	2017	5,692	1,564	802	..	6,454	114
South Sudan	2014	..	49	..	..	49	5
	2015	..	62	..	..	62	6
	2016	..	51	..	..	51	5
	2017	..	45	..	..	45	4
St. Helena and Depend.	2014	..	*1	..	..	*1	*99
	2015	..	*1	..	..	*1	*102
	2016	..	1	..	..	1	117
	2017	..	*1	..	..	*1	*117
Sudan	2014	1,068	..	158	..	910	24
	2015	1,054	..	96	..	958	25
	2016	1,196	..	147	..	1,050	27
	2017	1,063	267	122	..	1,209	30
Togo	2014	..	163	..	..	163	23
	2015	..	172	..	..	172	23
	2016	..	181	..	..	181	24
	2017	..	189	..	..	189	24

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Tunisia	2014	..	535	..	-4	539	48
	2015	..	560	..	33	527	47
	2016	22	516	..	-15	553	48
	2017	79	530	..	6	603	52
Uganda	2014	..	477	..	..	477	12
	2015	..	558	..	..	558	14
	2016	..	601	..	..	601	14
	2017	..	662	..	..	662	15
United Rep. of Tanzania	2014	..	687	..	..	687	13
	2015	..	827	..	..	827	15
	2016	..	813	..	..	813	15
	2017	..	752	..	..	752	13
Zambia	2014	95	203	..	..	298	19
	2015	87	220	..	..	307	19
	2016	66	250	..	..	316	19
	2017	71	250	..	..	321	19
Zimbabwe	2014	..	336	..	..	336	25
	2015	..	372	..	..	372	27
	2016	..	328	..	..	328	23
	2017	..	328	..	..	328	23
America, North	2014	433,824	51,537	33,132	1,731	450,497	796
	2015	442,970	57,940	37,480	-1,825	465,255	815
	2016	455,017	63,739	44,388	819	473,549	822
	2017	456,429	61,914	46,963	73	471,307	811
Anguilla	2014	..	7	..	..	7	491
	2015	..	7	..	..	7	452
	2016	..	*7	..	..	*7	*447
	2017	..	*6	..	..	*6	*423
Antigua and Barbuda	2014	..	*42	*3	..	*39	*394
	2015	..	*43	*3	..	*40	*400
	2016	..	*44	*3	..	*41	*406
	2017	..	*44	*3	..	*41	*402
Aruba	2014	..	*61	..	..	*61	*591
	2015	..	*63	..	..	*63	*602
	2016	..	*63	..	..	*63	*598
	2017	..	*65	..	..	*65	*617
Bahamas	2014	..	247	*1	..	246	645
	2015	..	150	1	..	149	384
	2016	..	112	0	..	112	285
	2017	..	173	*1	..	172	435
Barbados	2014	..	82	..	-5	87	307
	2015	..	94	..	5	89	313
	2016	..	95	..	5	90	317
	2017	..	90	..	-1	90	316
Belize	2014	..	55	..	..	55	156
	2015	..	83	..	..	83	232
	2016	..	76	..	..	76	207
	2017	..	75	..	..	75	200
Bermuda	2014	..	23	..	-3	26	416
	2015	..	15	..	-9	24	386
	2016	..	22	..	0	22	360
	2017	..	18	..	0	18	297

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Bonaire, St Eustatius, Saba	2014	..	*10	..	..	*10	*403
	2015	..	*10	..	..	*10	*399
	2016	..	*10	..	..	*10	*400
	2017	..	*10	..	..	*10	*402
British Virgin Islands	2014	..	*15	..	..	*15	*490
	2015	..	*15	..	..	*15	*482
	2016	..	*15	..	..	*15	*473
	2017	..	*12	..	..	*12	*372
Canada	2014	30,619	2,454	6,046	274	26,753	751
	2015	32,392	2,887	7,155	-261	28,385	790
	2016	33,983	3,785	7,301	-81	30,548	842
	2017	35,704	3,477	8,144	-19	31,056	848
Cayman Islands	2014	..	39	..	..	39	659
	2015	..	39	..	..	39	650
	2016	..	37	..	..	37	609
	2017	..	40	..	..	40	650
Costa Rica	2014	..	803	..	23	780	164
	2015	..	837	..	-21	858	178
	2016	..	926	..	21	905	186
	2017	..	1,005	..	10	995	203
Cuba	2014	554	311	656	..	209	18
	2015	446	320	376	..	390	34
	2016	185	299	*246	..	238	21
	2017	139	169	*51	..	257	22
Curaçao	2014	1,890	70	1,890	..	70	447
	2015	1,818	70	1,818	..	70	443
	2016	1,788	71	1,788	..	71	446
	2017	1,613	71	1,613	..	71	442
Dominica	2014	..	*10	..	0	*10	*144
	2015	..	*10	..	0	*10	*141
	2016	..	*10	..	0	*11	*144
	2017	..	*10	..	..	*10	*137
Dominican Republic	2014	267	572	..	-5	844	81
	2015	158	806	..	-10	974	93
	2016	229	819	..	7	1,041	98
	2017	189	866	..	1	1,055	98
El Salvador	2014	..	469	..	..	469	75
	2015	..	551	..	..	551	87
	2016	..	591	..	..	591	93
	2017	..	642	..	..	642	101
Greenland	2014	..	13	..	-1	14	240
	2015	..	13	..	-1	14	247
	2016	..	15	..	-1	16	287
	2017	..	16	..	-1	16	288
Grenada	2014	..	23	..	0	23	220
	2015	..	26	..	0	26	243
	2016	..	24	..	0	24	223
	2017	..	25	..	0	25	230
Guatemala	2014	..	1,195	60	32	1,103	69
	2015	..	1,303	132	-15	1,187	73
	2016	..	1,387	106	-17	1,297	78
	2017	..	1,605	51	27	1,527	90

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Haiti	2014	..	178	..	..	178	17
	2015	..	213	..	..	213	20
	2016	..	217	..	..	217	20
	2017	..	219	..	..	219	20
Honduras	2014	..	497	..	-48	545	62
	2015	..	554	..	-68	622	69
	2016	..	617	..	1	616	68
	2017	..	673	..	0	673	73
Jamaica	2014	115	316	..	0	432	151
	2015	151	317	..	4	465	162
	2016	133	397	..	-6	536	186
	2017	143	379	..	7	515	178
Mexico	2014	17,581	15,032	..	27	32,586	262
	2015	15,785	17,353	..	-514	33,652	267
	2016	13,563	20,575	..	280	33,858	265
	2017	10,715	21,695	..	10	32,400	251
Montserrat	2014	..	5	..	..	5	1,059
	2015	..	6	..	..	6	1,151
	2016	..	3	..	..	3	563
	2017	..	3	..	..	3	560
Nicaragua	2014	95	162	..	-9	266	44
	2015	99	196	..	-3	298	49
	2016	91	239	..	1	329	53
	2017	100	249	..	0	349	56
Panama	2014	..	687	..	-50	738	189
	2015	..	768	..	-69	836	211
	2016	..	874	..	-26	900	223
	2017	..	912	..	-47	959	234
Sint Maarten (Dutch part)	2014	..	*14	..	..	*14	*361
	2015	..	*14	..	..	*14	*361
	2016	..	*14	..	..	*14	*357
	2017	..	*14	..	..	*14	*344
St. Kitts-Nevis	2014	..	*17	..	..	*17	*307
	2015	..	*17	..	..	*17	*315
	2016	..	*18	..	..	*18	*321
	2017	..	*18	..	..	*18	*322
St. Lucia	2014	..	18	..	..	18	102
	2015	..	19	..	..	19	107
	2016	..	13	..	..	13	73
	2017	..	15	..	..	15	84
St. Pierre-Miquelon	2014	..	*4	..	..	*4	*669
	2015	..	*4	..	..	*4	*668
	2016	..	*4	..	..	*4	*666
	2017	..	*4	..	..	*4	*665
St. Vincent-Grenadines	2014	..	26	..	..	26	240
	2015	..	22	..	..	22	198
	2016	..	26	..	..	26	240
	2017	..	*26	..	..	*26	*241
Trinidad and Tobago	2014	1,259	0	823	-139	575	425
	2015	2,111	0	1,560	-7	558	410
	2016	2,453	0	1,972	-11	492	360
	2017	2,007	0	1,496	-7	518	378

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
United States	2014	381,443	28,079	23,653	1,635	384,234	1,209
	2015	390,010	31,117	26,435	-855	395,547	1,236
	2016	402,592	32,336	32,972	646	401,310	1,246
	2017	405,819	29,288	35,605	91	399,411	1,231
America, South	2014	60,078	6,583	2,775	-208	64,095	156
	2015	58,366	7,353	3,850	-88	61,957	149
	2016	57,231	8,794	3,426	66	62,532	149
	2017	57,995	10,057	3,834	-123	64,341	152
Argentina	2014	5,388	332	..	14	5,706	133
	2015	6,157	11	..	-37	6,205	143
	2016	6,242	183	..	61	6,364	145
	2017	6,576	308	..	-34	6,918	156
Bolivia (Plur. State of)	2014	794	211	..	0	1,005	95
	2015	800	267	..	2	1,065	99
	2016	1,025	147	..	-6	1,178	108
	2017	1,003	235	..	-6	1,244	113
Brazil	2014	30,678	1,563	258	-480	32,463	159
	2015	28,402	2,172	451	0	30,123	146
	2016	28,788	2,821	534	33	31,042	149
	2017	29,411	3,323	349	49	32,336	155
Chile	2014	2,789	440	77	13	3,139	178
	2015	2,823	488	70	30	3,211	181
	2016	2,974	455	22	-2	3,409	190
	2017	3,055	526	40	44	3,497	194
Colombia	2014	3,516	609	2	119	4,003	84
	2015	3,175	740	0	0	3,915	81
	2016	2,770	1,586	0	0	4,356	90
	2017	4,008	1,457	467	4	4,994	102
Ecuador	2014	1,139	2,335	148	30	3,296	207
	2015	995	2,281	21	-72	3,326	206
	2016	1,599	1,877	61	12	3,403	208
	2017	1,535	1,923	0	-31	3,489	210
Falkland Is. (Malvinas)	2014	..	0	..	..	0	60
	2015	..	0	..	..	0	58
	2016	..	0	..	..	0	67
	2017	..	0	..	..	0	71
Guyana	2014	..	139	..	-8	147	193
	2015	..	149	..	2	147	191
	2016	..	153	..	3	150	194
	2017	..	140	..	-2	141	182
Paraguay	2014	149	409	..	3	555	85
	2015	174	459	..	-14	647	97
	2016	216	622	..	6	832	124
	2017	223	686	..	-64	973	143
Peru	2014	3,295	345	1,862	122	1,656	53
	2015	3,174	581	1,916	2	1,837	59
	2016	3,420	800	2,142	-40	2,118	67
	2017	3,463	892	2,289	-66	2,132	66
Suriname	2014	..	149	..	..	149	272
	2015	2	152	..	..	154	279
	2016	35	136	3	..	168	301
	2017	64	137	5	..	196	347

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Uruguay	2014	496	51	23	-22	546	160
	2015	527	54	0	-2	582	170
	2016	598	14	0	-1	612	178
	2017	205	430	..	-17	651	188
Venezuela (Bolivar. Rep.)	2014	11,835	0	405	0	11,430	372
	2015	12,137	0	1,392	0	10,745	345
	2016	9,565	0	664	0	8,901	282
	2017	8,452	0	684	0	7,768	243
Asia	2014	308,006	71,801	67,641	8,326	303,839	69
	2015	330,052	76,999	77,141	97	329,812	75
	2016	346,198	80,039	83,991	1,373	340,874	76
	2017	358,916	81,935	86,856	-197	354,192	79
Afghanistan	2014	..	713	..	..	713	22
	2015	..	872	..	..	872	26
	2016	..	580	..	..	580	17
	2017	..	569	..	..	569	16
Armenia	2014	..	129	..	..	129	44
	2015	..	130	..	..	130	45
	2016	..	141	..	..	141	48
	2017	..	142	..	..	142	49
Azerbaijan	2014	1,238	194	13	30	1,389	146
	2015	1,224	46	5	-50	1,315	137
	2016	1,153	81	4	-35	1,265	130
	2017	1,215	130	7	31	1,307	133
Bahrain	2014	753	..	0	4	749	560
	2015	821	..	4	39	778	567
	2016	784	..	4	-1	781	548
	2017	744	..	0	-53	797	534
Bangladesh	2014	130	36	..	..	166	1
	2015	122	34	..	..	156	1
	2016	133	151	..	..	284	2
	2017	125	33	..	..	158	1
Bhutan	2014	..	23	..	..	23	30
	2015	..	25	..	..	25	32
	2016	..	27	..	..	27	34
	2017	..	29	..	..	29	36
Brunei Darussalam	2014	118	163	..	9	272	661
	2015	156	119	..	-2	277	663
	2016	92	181	..	-5	278	657
	2017	73	213	..	8	278	648
Cambodia	2014	..	427	..	..	427	28
	2015	..	481	..	..	481	31
	2016	..	491	..	..	491	31
	2017	..	560	..	..	560	35
China	2014	109,574	34	5,075	7,550	96,982	70
	2015	120,251	170	5,893	1,463	113,066	81
	2016	128,465	208	9,693	1,542	117,438	84
	2017	133,934	16	10,514	260	123,176	87
China, Hong Kong SAR	2014	..	381	13	-67	435	61
	2015	..	512	5	53	454	63
	2016	..	506	8	30	467	64
	2017	..	475	11	1	463	63

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
China, Macao SAR	2014	..	72	..	-3	75	127
	2015	..	76	..	1	75	125
	2016	..	77	..	2	75	123
	2017	..	79	..	1	78	125
Cyprus	2014	..	342	..	2	340	295
	2015	..	362	..	14	348	300
	2016	..	356	..	4	352	301
	2017	..	350	..	0	350	297
Georgia	2014	0	374	1	-8	381	96
	2015	0	441	1	18	423	107
	2016	7	576	0	-14	598	152
	2017	2	534	1	-2	537	137
India	2014	32,325	328	15,942	-1,876	18,587	14
	2015	35,321	993	15,893	-1,346	21,767	17
	2016	36,593	476	15,417	0	21,652	16
	2017	37,784	174	14,035	..	23,923	18
Indonesia	2014	8,891	14,932	19	..	23,804	93
	2015	9,022	14,714	2	..	23,734	92
	2016	12,089	12,500	52	..	24,537	94
	2017	11,197	13,704	68	..	24,833	94
Iran (Islamic Rep. of)	2014	16,419	1,235	..	..	17,654	225
	2015	16,338	2,699	..	..	19,037	240
	2016	15,270	3,266	..	..	18,536	231
	2017	17,567	3,398	..	..	20,965	258
Iraq	2014	2,413	1,851	..	37	4,227	121
	2015	1,853	1,394	..	-807	4,054	112
	2016	2,117	2,145	..	0	4,262	115
	2017	2,483	2,396	..	..	4,879	127
Israel	2014	2,993	448	741	38	2,662	335
	2015	3,012	491	564	97	2,842	352
	2016	2,927	674	558	-41	3,084	376
	2017	2,614	645	487	20	2,752	331
Japan	2014	39,782	1,112	2,293	-49	38,650	302
	2015	40,808	847	2,926	-8	38,737	303
	2016	40,099	622	2,285	18	38,418	301
	2017	39,795	902	2,771	-77	38,003	298
Jordan	2014	634	520	..	2	1,153	131
	2015	643	659	..	14	1,288	141
	2016	574	818	..	36	1,356	143
	2017	557	923	..	48	1,432	148
Kazakhstan	2014	3,023	1,143	22	319	3,825	219
	2015	2,864	1,362	0	13	4,213	237
	2016	2,938	1,134	1	-397	4,469	248
	2017	3,055	1,073	2	-208	4,334	238
Korea, Dem.Ppl's.Rep.	2014	178	11	..	..	189	8
	2015	178	15	..	..	193	8
	2016	178	17	..	..	195	8
	2017	178	14	..	..	192	8
Korea, Republic of	2014	16,359	0	8,575	245	7,539	150
	2015	17,729	45	9,296	-169	8,647	171
	2016	17,266	161	8,911	61	8,455	166
	2017	18,343	130	9,611	12	8,850	174

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Kuwait	2014	2,455	..	70	-486	2,871	759
	2015	2,041	..	58	-1,057	3,040	772
	2016	2,405	..	68	-672	3,009	742
	2017	2,059	..	58	-576	2,577	623
Kyrgyzstan	2014	63	676	25	-6	720	125
	2015	115	625	32	18	690	118
	2016	171	719	7	-42	925	155
	2017	235	468	7	5	691	114
Lao People's Dem. Rep.	2014	..	158	..	..	158	24
	2015	..	173	..	..	173	26
	2016	..	*170	..	..	*170	*25
	2017	..	*167	..	..	*167	*24
Lebanon	2014	..	1,720	..	..	1,720	275
	2015	..	1,905	..	..	1,905	292
	2016	..	2,026	..	..	2,026	302
	2017	..	2,097	..	..	2,097	307
Malaysia	2014	4,681	7,741	34	33	12,355	409
	2015	4,788	7,216	382	-75	11,697	381
	2016	4,801	8,139	436	-261	12,765	409
	2017	7,855	4,901	268	-47	12,535	396
Maldives	2014	..	44	..	..	44	102
	2015	..	39	..	..	39	85
	2016	..	48	..	..	48	101
	2017	..	58	..	..	58	116
Mongolia	2014	..	416	..	..	416	142
	2015	..	434	..	..	434	146
	2016	..	385	..	..	385	127
	2017	..	411	..	..	411	134
Myanmar	2014	234	894	..	209	919	18
	2015	234	894	..	209	919	18
	2016	143	1,276	..	12	1,407	27
	2017	145	1,091	..	-141	1,377	26
Nepal	2014	..	288	..	..	288	10
	2015	..	169	..	..	169	6
	2016	..	289	..	..	289	10
	2017	..	346	..	..	346	12
Oman	2014	2,973	0	232	-18	2,759	697
	2015	3,061	0	50	60	2,951	703
	2016	3,018	0	0	163	2,855	645
	2017	2,990	57	167	4	2,876	620
Other Asia	2014	7,460	..	4,032	-143	3,571	153
	2015	7,872	149	4,113	198	3,710	158
	2016	9,248	124	4,497	146	4,729	201
	2017	8,463	126	4,201	-244	4,632	196
Pakistan	2014	1,592	2,935	0	182	4,345	23
	2015	1,590	3,926	0	0	5,516	29
	2016	1,839	5,156	0	0	6,995	36
	2017	2,212	5,235	..	..	7,447	38
Philippines	2014	1,285	1,720	7	630	2,368	24
	2015	1,983	1,757	195	490	3,055	30
	2016	2,197	1,822	229	-33	3,824	37
	2017	2,153	1,991	85	80	3,979	38

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Qatar	2014	1,976	..	300	0	1,676	706
	2015	1,583	..	162	0	1,421	573
	2016	1,963	..	296	..	1,667	649
	2017	1,937	..	111	..	1,826	692
Saudi Arabia	2014	18,867	6,766	2,027	1,249	22,357	726
	2015	21,173	9,468	7,175	108	23,358	740
	2016	23,815	8,600	9,054	322	23,039	714
	2017	23,958	8,488	10,314	-170	22,302	677
Singapore	2014	10,518	13,963	23,847	1	634	116
	2015	10,046	14,757	23,938	206	659	119
	2016	9,096	15,964	24,650	*-200	610	108
	2017	9,108	16,683	25,567	*-400	624	109
Sri Lanka	2014	152	585	..	-99	836	41
	2015	154	899	..	217	836	40
	2016	166	957	..	-341	1,463	70
	2017	165	1,097	..	-227	1,489	71
State of Palestine	2014	..	198	..	-11	209	46
	2015	..	216	..	0	216	46
	2016	..	236	..	0	236	49
	2017	..	233	..	..	233	47
Syrian Arab Republic	2014	448	523	..	..	971	51
	2015	448	493	..	..	941	50
	2016	500	447	..	..	947	51
	2017	482	329	..	..	811	44
Tajikistan	2014	1	247	..	..	248	30
	2015	0	215	..	..	215	25
	2016	1	194	..	..	195	22
	2017	1	177	..	..	177	20
Thailand	2014	6,307	644	976	578	5,397	79
	2015	7,186	571	1,109	462	6,186	90
	2016	7,805	1,131	1,022	1,060	6,854	100
	2017	8,099	1,287	1,180	1,172	7,034	102
Timor-Leste	2014	..	*23	..	..	*23	*19
	2015	..	*23	..	..	*23	*18
	2016	..	*22	..	..	*22	*17
	2017	..	*22	..	..	*22	*17
Turkey	2014	4,008	..	2,088	-25	1,945	25
	2015	5,180	..	3,119	-8	2,069	26
	2016	5,175	..	2,890	45	2,240	28
	2017	5,444	..	3,172	-32	2,304	29
Turkmenistan	2014	2,610	..	1,105	..	1,505	275
	2015	2,610	..	1,105	..	1,505	270
	2016	2,610	..	1,105	..	1,505	266
	2017	2,610	..	1,105	..	1,505	261
United Arab Emirates	2014	3,610	3,863	..	..	7,473	824
	2015	4,931	3,187	851	..	7,267	794
	2016	5,863	4,004	2,571	..	7,296	787
	2017	6,889	6,390	2,862	373	10,044	1,068
Uzbekistan	2014	*1,157	0	22	..	*1,135	*37
	2015	*1,128	1	21	..	*1,108	*36
	2016	1,135	2	18	..	1,119	36
	2017	1,106	2	..	..	1,108	35

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Viet Nam	2014	2,618	2,421	182	0	4,857	52
	2015	3,511	2,681	243	-59	6,008	64
	2016	3,487	2,488	215	-26	5,786	61
	2017	3,265	3,180	252	-34	6,227	65
Yemen	2014	161	1,509	..	..	1,670	64
	2015	76	712	..	..	788	29
	2016	76	653	..	..	729	26
	2017	76	610	..	..	686	24
Europe	2014	167,701	30,756	80,422	-458	118,493	160
	2015	172,317	32,408	91,885	-85	112,924	152
	2016	172,162	33,332	93,155	890	111,448	150
	2017	171,776	32,478	94,576	-39	109,717	147
Albania	2014	..	177	..	57	120	41
	2015	..	159	..	41	118	40
	2016	..	133	..	26	107	37
	2017	..	148	..	42	106	36
Andorra	2014	..	19	..	..	19	235
	2015	..	19	..	..	19	238
	2016	..	19	..	..	19	247
	2017	..	19	..	..	19	253
Austria	2014	1,866	768	871	63	1,700	197
	2015	1,812	821	974	-29	1,688	195
	2016	1,759	799	873	37	1,648	189
	2017	1,781	749	863	13	1,654	189
Belarus	2014	3,945	1	2,752	58	1,136	120
	2015	3,925	35	2,841	7	1,112	117
	2016	3,573	206	2,621	14	1,144	121
	2017	3,481	108	2,411	11	1,167	123
Belgium	2014	4,622	828	4,220	93	1,137	101
	2015	4,965	1,252	5,132	-20	1,105	98
	2016	4,860	1,440	5,136	-15	1,179	104
	2017	4,748	890	4,687	-37	988	86
Bosnia and Herzegovina	2014	152	118	78	3	189	53
	2015	130	124	53	8	193	55
	2016	140	132	78	-7	201	57
	2017	142	118	60	10	190	54
Bulgaria	2014	1,600	238	1,358	-2	482	67
	2015	1,788	234	1,559	-33	496	69
	2016	1,785	215	1,524	7	469	66
	2017	1,848	269	1,646	-9	480	68
Croatia	2014	805	142	428	-14	533	125
	2015	843	218	519	10	532	126
	2016	864	194	517	7	534	127
	2017	1,005	160	643	9	513	122
Czechia	2014	1,576	449	459	-27	1,593	150
	2015	1,653	518	593	3	1,575	149
	2016	1,265	805	403	8	1,659	156
	2017	1,638	583	624	-4	1,601	151
Denmark	2014	2,106	642	1,215	-6	1,539	272
	2015	2,335	668	1,336	24	1,643	289
	2016	2,098	494	1,087	-20	1,525	267
	2017	2,241	390	1,222	-25	1,434	250

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Estonia	2014	..	434	194	-2	242	184
	2015	..	403	142	25	236	179
	2016	..	483	256	-25	252	192
	2017	..	455	167	26	262	200
Faeroe Islands	2014	..	*11	..	..	*11	*217
	2015	..	*11	..	..	*11	*216
	2016	..	*11	..	..	*11	*217
	2017	..	*11	..	..	*11	*221
Finland	2014	4,436	493	3,123	-72	1,878	344
	2015	3,678	499	2,384	8	1,785	326
	2016	4,210	594	2,991	-27	1,840	334
	2017	4,531	606	3,123	12	2,002	362
France	2014	11,719	502	3,824	59	8,338	126
	2015	11,885	699	4,109	-83	8,558	128
	2016	11,913	1,220	4,607	110	8,416	126
	2017	12,085	1,467	4,349	13	9,190	137
Germany	2014	20,094	1,790	4,820	-29	17,093	210
	2015	20,127	1,919	4,443	42	17,561	215
	2016	20,871	1,513	5,051	89	17,244	211
	2017	20,975	2,158	5,719	-210	17,624	215
Gibraltar	2014	..	32	..	..	32	940
	2015	..	34	..	..	34	993
	2016	..	37	..	..	37	1,075
	2017	..	41	..	..	41	1,186
Greece	2014	4,649	351	2,571	-21	2,450	217
	2015	4,611	516	2,787	-79	2,419	216
	2016	5,169	560	3,398	197	2,134	191
	2017	5,291	321	3,935	40	1,637	147
Hungary	2014	1,166	442	294	22	1,292	132
	2015	1,202	466	294	35	1,339	137
	2016	1,154	606	331	29	1,400	144
	2017	1,068	598	318	-15	1,363	140
Iceland	2014	0	133	..	1	132	402
	2015	2	139	..	7	134	406
	2016	5	136	..	-1	142	427
	2017	5	138	..	-1	144	430
Ireland	2014	528	882	262	-3	1,151	246
	2015	640	853	392	5	1,096	233
	2016	589	810	350	9	1,040	220
	2017	586	915	486	88	927	195
Italy	2014	15,431	385	7,023	-55	8,848	148
	2015	15,820	502	8,532	-86	7,876	132
	2016	15,144	352	8,131	-138	7,503	126
	2017	15,717	140	8,445	-9	7,421	125
Kosovo	2014	..	66	..	..	66	36
	2015	..	66	..	..	66	37
	2016	..	69	..	..	69	38
	2017	..	63	..	..	63	34
Latvia	2014	10	215	20	-18	223	111
	2015	12	237	45	-4	208	104
	2016	13	234	41	4	202	103
	2017	12	213	37	-4	192	98

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Lithuania	2014	2,114	22	2,000	-8	144	49
	2015	2,425	66	2,298	29	164	56
	2016	2,627	67	2,532	-2	164	56
	2017	2,752	65	2,672	-21	166	57
Luxembourg	2014	..	310	..	-1	311	559
	2015	..	286	..	-10	296	522
	2016	..	295	..	4	291	505
	2017	..	304	..	1	303	519
Malta	2014	..	78	..	5	73	172
	2015	..	77	..	1	76	178
	2016	..	70	..	-7	77	179
	2017	..	84	..	6	78	181
Montenegro	2014	..	43	11	-3	35	56
	2015	..	41	10	-5	36	57
	2016	..	43	8	-2	37	59
	2017	..	41	7	-3	37	59
Netherlands	2014	6,910	9,500	18,879	-68	-2,401	-142
	2015	5,768	9,917	20,829	87	-5,231	-309
	2016	4,105	9,924	19,601	30	-5,602	-330
	2017	3,287	10,787	20,281	-64	-6,143	-361
North Macedonia	2014	1	104	4	-1	102	49
	2015	0	105	2	0	103	50
	2016	0	107	3	0	104	50
	2017	0	108	4	1	103	49
Norway	2014	3,325	197	2,188	-65	1,399	272
	2015	4,020	301	3,149	17	1,155	222
	2016	3,815	383	3,339	-7	866	165
	2017	4,660	351	3,614	-32	1,429	269
Poland	2014	3,833	371	672	-56	3,588	94
	2015	4,177	363	762	-22	3,800	99
	2016	4,207	345	509	20	4,023	105
	2017	4,163	481	221	35	4,388	115
Portugal	2014	1,924	154	976	21	1,081	103
	2015	2,721	137	1,786	1	1,071	103
	2016	2,653	167	1,742	18	1,060	102
	2017	2,754	124	1,885	-48	1,041	101
Republic of Moldova	2014	..	151	..	-8	159	39
	2015	..	164	..	1	163	40
	2016	..	166	..	-1	167	41
	2017	..	164	..	0	164	40
Romania	2014	2,998	80	1,729	-46	1,395	70
	2015	2,982	106	1,785	-26	1,329	67
	2016	3,405	127	2,124	54	1,354	68
	2017	3,285	109	1,930	61	1,403	71
Russian Federation	2014	38,935	1,059	3,657	-166	36,503	254
	2015	39,235	809	4,746	-83	35,381	246
	2016	40,004	171	5,216	328	34,631	241
	2017	38,027	32	4,415	182	33,462	232
Serbia	2014	464	53	120	2	395	56
	2015	484	39	121	0	402	57
	2016	482	51	125	-6	414	59
	2017	499	78	143	14	420	60

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Slovakia	2014	1,349	209	971	10	577	106
	2015	1,536	237	1,174	0	599	110
	2016	1,535	258	1,157	23	613	113
	2017	1,456	263	1,136	-37	620	114
Slovenia	2014	..	494	68	-15	441	213
	2015	..	551	116	4	431	208
	2016	..	603	168	11	424	204
	2017	..	643	220	10	413	199
Spain	2014	7,569	77	3,262	57	4,327	93
	2015	9,403	103	4,741	12	4,753	102
	2016	9,765	160	4,442	158	5,325	115
	2017	9,318	417	4,514	-108	5,329	115
Sweden	2014	5,041	1,815	3,520	13	3,323	343
	2015	5,230	1,697	3,860	12	3,055	313
	2016	5,116	1,877	3,647	-16	3,362	342
	2017	4,909	1,504	3,830	-4	2,587	261
Switzerland	2014	1,427	1,248	14	-20	2,681	324
	2015	715	1,645	4	-114	2,470	296
	2016	720	1,724	18	-19	2,445	290
	2017	689	1,639	2	-37	2,363	278
Ukraine	2014	738	2,147	157	-135	2,863	64
	2015	659	1,468	29	-16	2,114	47
	2016	*365	*1,806	0	0	*2,171	*49
	2017	802	1,268	7	-1	2,064	47
United Kingdom	2014	16,368	3,527	8,682	-81	11,294	174
	2015	17,534	3,904	10,338	146	10,954	167
	2016	17,951	3,926	11,129	0	10,748	163
	2017	18,021	3,455	10,960	56	10,460	158
Oceania	2014	12,172	4,086	97	-132	16,292	418
	2015	11,040	5,514	87	128	16,339	413
	2016	10,246	6,257	54	129	16,320	407
	2017	9,613	6,509	204	-205	16,122	396
Australia	2014	10,896	2,630	97	-108	13,537	577
	2015	9,592	4,046	87	120	13,431	564
	2016	8,757	4,854	54	124	13,433	557
	2017	8,281	5,081	162	-131	13,331	545
Cook Islands	2014	..	*6	..	..	*6	*341
	2015	..	*6	..	..	*6	*321
	2016	..	*6	..	..	*6	*334
	2017	..	*7	..	..	*7	*374
Fiji	2014	..	*90	..	..	*90	*102
	2015	..	105	..	..	105	118
	2016	..	114	..	..	114	126
	2017	..	*120	..	..	*120	*132
French Polynesia	2014	..	46	..	..	46	166
	2015	..	50	..	..	50	179
	2016	..	49	..	..	49	174
	2017	..	50	..	..	50	178
Kiribati	2014	..	5	..	..	5	45
	2015	..	*5	..	..	*5	*43
	2016	..	*5	..	..	*5	*45
	2017	..	*5	..	..	*5	*44

Table 18

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Marshall Islands	2014	..	*12	..	..	*12	*217
	2015	..	*12	..	..	*12	*217
	2016	..	*12	..	..	*12	*217
	2017	..	*12	..	..	*12	*220
Micronesia (Fed. States of)	2014	..	*18	..	..	*18	*172
	2015	..	18	..	..	18	171
	2016	..	*18	..	..	*18	*170
	2017	..	*18	..	..	*18	*171
Nauru	2014	..	*2	..	..	*2	*217
	2015	..	*3	..	..	*3	*249
	2016	..	3	..	..	3	282
	2017	..	3	..	..	3	264
New Caledonia	2014	..	73	..	-2	76	284
	2015	..	76	..	3	73	271
	2016	..	76	..	-5	81	297
	2017	..	75	..	4	72	260
New Zealand	2014	1,273	1,090	..	-21	2,384	522
	2015	1,448	1,051	..	-2	2,501	542
	2016	1,489	982	..	8	2,463	528
	2017	1,332	1,002	42	-77	2,369	503
Niue	2014	..	1	..	..	1	420
	2015	..	1	..	..	1	441
	2016	..	*1	..	..	*1	*450
	2017	..	*1	..	..	*1	*439
Palau	2014	..	*12	..	..	*12	*681
	2015	..	*12	..	..	*12	*679
	2016	..	*12	..	..	*12	*666
	2017	..	*12	..	..	*12	*691
Papua New Guinea	2014	3	31	..	-2	36	5
	2015	0	57	..	1	56	7
	2016	0	53	..	2	51	6
	2017	0	*49	..	..	*49	*6
Samoa	2014	..	25	..	*1	23	121
	2015	..	32	..	*6	26	134
	2016	..	*27	..	0	*27	*137
	2017	..	*28	..	..	*28	*140
Solomon Islands	2014	..	23	..	..	23	40
	2015	..	22	..	..	22	37
	2016	..	*21	..	..	*21	*35
	2017	..	*21	..	..	*21	*34
Tonga	2014	..	11	..	..	11	101
	2015	..	12	..	..	12	111
	2016	..	15	..	..	15	140
	2017	..	17	..	..	17	156
Tuvalu	2014	..	*1	..	..	*1	*110
	2015	..	*1	..	..	*1	*109
	2016	..	*1	..	..	*1	*108
	2017	..	*1	..	..	*1	*107
Vanuatu	2014	..	9	..	..	9	36
	2015	..	7	..	..	7	26
	2016	..	8	..	..	8	29
	2017	..	6	..	..	6	21

Production, trade and supply of motor gasoline

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Wallis and Futuna Is.	2014	..	*1	..	..	*1	*103
	2015	..	*1	..	..	*1	*101
	2016	..	*1	..	..	*1	*102
	2017	..	*1	..	..	*1	*104

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Table Notes

Production includes output from refineries and plants.

For China, data up to 2013 include kerosene-type jet fuel.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 51: Production of other kerosene by region, 1990-2017

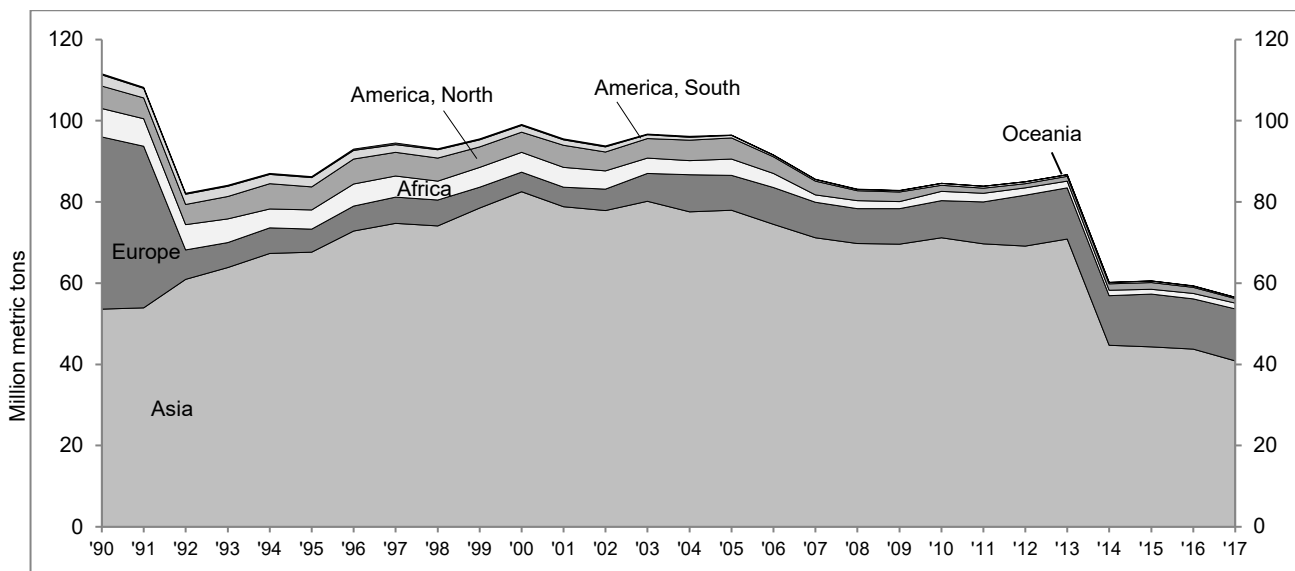


Figure 52: Major other kerosene producing countries, 2017

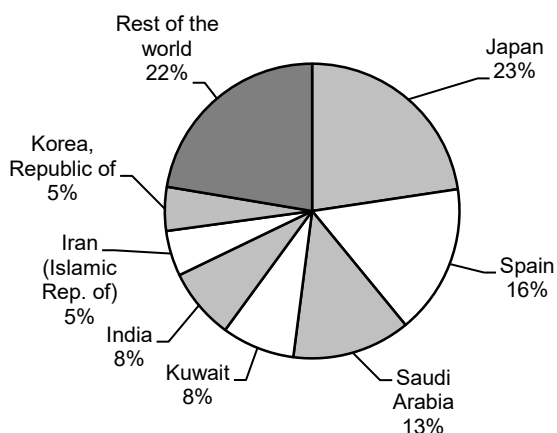


Figure 53: Major other kerosene consuming countries, 2017

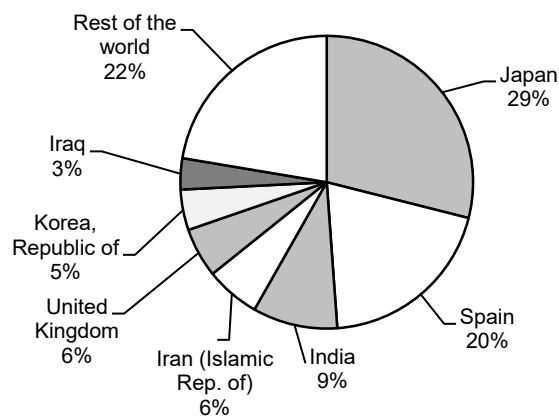


Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	60,260	8,888	15,916	1,084	52,147	7
	2015	60,578	7,677	16,559	832	50,863	7
	2016	59,332	6,837	15,743	1,631	48,795	7
	2017	56,552	7,395	15,767	1,389	46,791	6
Africa	2014	1,334	3,452	137	4	4,645	4
	2015	1,130	2,810	195	39	3,706	3
	2016	1,326	1,612	183	39	2,716	2
	2017	1,427	1,597	176	-5	2,853	2
Algeria	2014	*17	..	..	..	*17	0
	2015	*22	..	..	..	*22	*1
	2016	*21	..	..	..	*21	*1
	2017	*17	..	..	..	*17	0
Angola	2014	69	6	..	0	75	3
	2015	63	0	..	38	25	1
	2016	55	89	..	*44	100	3
	2017	52	104	..	..	156	5
Benin	2014	..	44	..	..	44	4
	2015	..	21	..	-1	22	2
	2016	..	19	..	2	17	2
	2017	..	19	..	-1	20	2
Botswana	2014	..	20	..	..	20	9
	2015	..	10	..	..	10	5
	2016	..	5	..	..	5	2
	2017	..	4	..	..	4	2
Burkina Faso	2014	..	4	..	*-3	7	0
	2015	..	4	..	*-2	6	0
	2016	..	8	..	*2	6	0
	2017	..	4	..	*-3	6	0
Cabo Verde	2014	..	0	..	..	0	1
	2015	..	0	..	..	0	*1
	2016	..	0	..	..	0	*1
	2017	..	0	..	..	0	*1
Cameroon	2014	..	..	..	0	0	0
	2015	122	3	38	-6	93	4
	2016	121	3	39	-6	91	4
	2017	100	3	40	-6	69	3
Central African Rep.	2014	..	*28	..	..	*28	*6
	2015	..	*29	..	..	*29	*6
	2016	..	*29	..	..	*29	*6
	2017	..	*29	..	..	*29	*6
Chad	2014	*4	..	*2	..	*2	0
	2015	*4	..	*2	..	*2	0
	2016	*4	..	*2	..	*2	0
	2017	*4	..	*2	..	*2	0
Comoros	2014	..	*10	..	..	*10	*13
	2015	..	*10	..	..	*10	*13
	2016	..	*12	..	..	*12	*14
	2017	..	*14	..	..	*14	*17
Congo	2014	20	..	..	..	20	4
	2015	7	..	..	..	7	1
	2016	10	..	..	..	10	2
	2017	7	..	..	..	7	1

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Côte d'Ivoire	2014	54	..	..	..	54	2
	2015	9	..	..	..	9	0
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Dem. Rep. of the Congo	2014	..	3	..	..	3	0
	2015	..	2	..	..	2	0
	2016	..	1	..	..	1	0
	2017	..	1	..	..	1	0
Djibouti	2014	..	5	..	..	5	5
	2015	..	5	..	..	5	6
	2016	..	6	..	..	6	7
	2017	..	6	..	..	6	7
Egypt	2014	41	..	36	..	5	0
	2015	62	..	56	..	6	0
	2016	63	..	*58	..	5	0
	2017	65	..	59	..	6	0
Equatorial Guinea	2014	..	*16	..	..	*16	*14
	2015	..	*17	..	..	*17	*14
	2016	..	*17	..	..	*17	*14
	2017	..	*18	..	..	*18	*14
Eritrea	2014	..	14	..	..	14	4
	2015	..	14	..	..	14	4
	2016	..	14	..	..	14	4
	2017	..	15	..	..	15	4
Eswatini	2014	..	4	..	..	4	4
	2015	..	4	..	..	4	4
	2016	..	4	..	..	4	4
	2017	..	4	..	..	4	4
Ethiopia	2014	..	412	..	6	406	4
	2015	..	267	..	6	261	3
	2016	..	160	..	-4	164	2
	2017	..	176	..	..	176	2
Gabon	2014	27	10	..	..	37	20
	2015	27	9	..	..	36	19
	2016	27	9	..	..	36	18
	2017	27	9	..	..	36	18
Ghana	2014	5	..	..	..	5	0
	2015	0	..	..	..	0	0
	2016	25	..	..	..	25	1
	2017	2	..	..	..	2	0
Guinea	2014	..	11	..	..	11	1
	2015	..	11	..	..	11	1
	2016	..	17	..	..	17	1
	2017	..	*17	..	..	*17	*1
Guinea-Bissau	2014	..	*9	..	..	*9	*5
	2015	..	*9	..	..	*9	*5
	2016	..	*9	..	..	*9	*5
	2017	..	*9	..	..	*9	*5
Kenya	2014	0	373	77	..	296	6
	2015	0	472	83	..	389	8
	2016	0	467	76	..	390	8
	2017	0	448	66	..	382	8

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Lesotho	2014	..	25	..	..	25	11
	2015	..	23	..	..	23	11
	2016	..	25	..	..	25	11
	2017	..	34	..	..	34	15
Libya	2014	47	176	0	..	223	36
	2015	46	73	0	..	119	19
	2016	46	76	0	..	122	19
	2017	43	86	..	..	129	20
Madagascar	2014	..	20	..	0	20	1
	2015	..	19	..	0	19	1
	2016	..	25	..	0	25	1
	2017	..	21	..	..	21	1
Malawi	2014	..	1	..	..	1	0
	2015	..	0	..	..	0	0
	2016	..	1	..	..	1	0
	2017	..	1	..	..	1	0
Mali	2014	..	*33	..	..	*33	*2
	2015	..	*33	..	..	*33	*2
	2016	..	*33	..	..	*33	*2
	2017	..	*33	..	..	*33	*2
Mauritius	2014	..	2	..	1	1	1
	2015	..	3	..	2	1	1
	2016	..	2	..	1	1	1
	2017	..	2	..	1	1	1
Namibia	2014	..	2	..	..	2	1
	2015	..	2	..	..	2	1
	2016	..	2	..	..	2	1
	2017	..	2	..	..	2	1
Niger	2014	..	2	..	0	2	0
	2015	..	1	..	0	1	0
	2016	..	1	..	0	1	0
	2017	..	*1	..	0	*1	0
Nigeria	2014	500	1,972	..	..	2,472	14
	2015	204	1,504	..	..	1,708	9
	2016	401	302	..	..	703	4
	2017	502	265	..	..	767	4
Rwanda	2014	..	*15	..	..	*15	*1
	2015	..	*20	..	..	*20	*2
	2016	..	19	..	..	19	2
	2017	..	*23	..	..	*23	*2
Sao Tome and Principe	2014	..	*4	..	..	*4	*18
	2015	..	*4	..	..	*4	*19
	2016	..	*4	..	..	*4	*19
	2017	..	*4	..	..	*4	*20
Seychelles	2014	..	*1	..	..	*1	*11
	2015	..	*1	..	..	*1	*11
	2016	..	*1	..	..	*1	*10
	2017	..	*1	..	..	*1	*10
Sierra Leone	2014	..	14	..	..	14	2
	2015	..	*11	..	..	*11	*2
	2016	..	*11	..	..	*11	*2
	2017	..	*10	..	..	*10	*1

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Somalia	2014	..	*33	..	..	*33	*2
	2015	..	*33	..	..	*33	*2
	2016	..	*31	..	..	*31	*2
	2017	..	*31	..	..	*31	*2
South Africa	2014	446	..	1	..	445	8
	2015	459	..	0	..	459	8
	2016	466	..	0	..	466	8
	2017	519	..	..	..	519	9
South Sudan	2014	..	2	..	..	2	0
	2015	..	3	..	..	3	0
	2016	..	2	..	..	2	0
	2017	..	1	..	..	1	0
Sudan	2014	16	..	..	..	16	0
	2015	17	..	..	..	17	0
	2016	11	..	..	..	11	0
	2017	4	..	..	..	4	0
Togo	2014	..	61	..	..	61	8
	2015	..	63	..	..	63	8
	2016	..	65	..	..	65	9
	2017	..	67	..	..	67	9
Tunisia	2014	53	0	..	0	53	5
	2015	55	0	..	2	54	5
	2016	53	0	..	0	53	5
	2017	59	0	..	4	55	5
Uganda	2014	..	54	..	..	54	1
	2015	..	49	..	..	49	1
	2016	..	48	..	..	48	1
	2017	..	46	..	..	46	1
United Rep. of Tanzania	2014	..	15	..	..	15	0
	2015	..	23	..	..	23	0
	2016	..	32	..	..	32	1
	2017	..	21	..	..	21	0
Zambia	2014	35	..	21	..	14	1
	2015	32	..	16	..	16	1
	2016	24	..	8	..	16	1
	2017	26	..	9	..	17	1
Zimbabwe	2014	..	51	..	..	51	4
	2015	..	56	..	..	56	4
	2016	..	62	..	..	62	4
	2017	..	69	..	..	69	5
America, North	2014	1,585	349	459	96	1,378	2
	2015	1,704	671	614	124	1,637	3
	2016	1,467	532	521	-74	1,552	3
	2017	1,137	510	337	-35	1,344	2
Bahamas	2014	..	*3	..	..	*3	*9
	2015	..	*3	..	..	*3	*8
	2016	..	*3	..	..	*3	*8
	2017	..	*3	..	..	*3	*8
Barbados	2014	..	*7	..	0	*7	*24
	2015	..	*7	..	0	*7	*24
	2016	..	*8	..	0	*8	*29
	2017	..	*9	..	0	*9	*32

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Belize	2014	..	0	..	..	0	1
	2015	..	0	..	..	0	1
	2016	..	0	..	..	0	0
	2017	..	0	..	..	0	0
Bermuda	2014	..	28	..	..	28	442
	2015	..	14	..	..	14	219
	2016	..	28	..	..	28	448
	2017	..	15	..	..	15	251
British Virgin Islands	2014	..	*4	..	..	*4	*135
	2015	..	*4	..	..	*4	*133
	2016	..	*4	..	..	*4	*130
	2017	..	*3	..	..	*3	*103
Canada	2014	598	97	2	-9	702	20
	2015	832	179	..	14	997	28
	2016	773	102	..	7	868	24
	2017	756	72	4	-10	834	23
Cuba	2014	25	*57	..	..	*82	*7
	2015	28	*53	..	..	*81	*7
	2016	2	*77	..	..	*78	*7
	2017	3	*78	..	..	*81	*7
Dominica	2014	..	0	..	0	0	*3
	2015	..	0	..	0	0	*3
	2016	..	0	..	0	0	*4
	2017	..	0	..	0	0	*6
Dominican Republic	2014	10	..	..	0	10	1
	2015	6	..	..	0	5	1
	2016	9	..	..	0	9	1
	2017	6	..	..	0	6	1
El Salvador	2014	..	1	..	..	1	0
	2015	..	1	..	..	1	0
	2016	..	1	..	..	1	0
	2017	..	1	..	..	1	0
Grenada	2014	..	0	..	..	0	1
	2015	..	0	..	..	0	1
	2016	..	0	..	..	0	1
	2017	..	0	..	..	0	1
Guatemala	2014	1	113	..	92	22	1
	2015	0	111	..	86	25	2
	2016	0	114	94	-7	27	2
	2017	0	41	41	-1	1	0
Haiti	2014	..	29	..	..	29	3
	2015	..	70	..	..	70	7
	2016	..	71	..	..	71	7
	2017	..	72	..	..	72	7
Honduras	2014	..	1	..	-21	22	2
	2015	..	15	..	-36	51	6
	2016	..	4	..	-10	14	2
	2017	..	22	..	0	22	2
Montserrat	2014	..	*1	..	..	*1	*98
	2015	..	*1	..	..	*1	*98
	2016	..	0	..	..	0	78
	2017	..	0	..	..	0	*77

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Nicaragua	2014	6	..	..	..	6	1
	2015	7	..	..	..	7	1
	2016	6	..	..	..	6	1
	2017	8	..	..	..	8	1
Panama	2014	..	1	..	..	1	0
	2015	..	1	..	..	1	0
	2016	..	1	..	..	1	0
	2017	..	1	..	..	1	0
St. Kitts-Nevis	2014	..	*5	..	..	*5	*93
	2015	..	*5	..	..	*5	*96
	2016	..	*5	..	..	*5	*97
	2017	..	*5	..	..	*5	*98
St. Lucia	2014	..	*1	..	..	*1	*7
	2015	..	*1	..	..	*1	*7
	2016	..	*1	..	..	*1	*7
	2017	..	*1	..	..	*1	*7
Trinidad and Tobago	2014	33	..	..	..	33	24
	2015	34	..	..	..	34	25
	2016	32	..	..	..	32	23
	2017	29	..	..	..	29	21
United States	2014	913	1	457	35	422	1
	2015	797	207	614	59	331	1
	2016	646	112	427	-63	394	1
	2017	335	185	292	-23	251	1
America, South	2014	329	15	..	39	304	1
	2015	342	15	..	1	356	1
	2016	328	18	..	2	345	1
	2017	274	33	..	3	304	1
Argentina	2014	16	..	..	-2	18	0
	2015	15	..	..	0	15	0
	2016	14	..	..	0	14	0
	2017	10	..	..	-2	12	0
Bolivia (Plur. State of)	2014	15	..	..	0	15	1
	2015	16	..	..	0	16	1
	2016	18	..	..	..	18	2
	2017	15	..	..	..	15	1
Brazil	2014	10	..	..	0	10	0
	2015	6	..	..	0	6	0
	2016	6	..	..	0	6	0
	2017	5	..	..	..	5	0
Chile	2014	143	0	..	39	104	6
	2015	148	0	..	1	147	8
	2016	161	0	..	0	161	9
	2017	161	15	..	4	172	10
Colombia	2014	67	..	..	..	67	1
	2015	72	..	..	..	72	1
	2016	66	..	..	..	66	1
	2017	39	..	..	..	39	1
Ecuador	2014	3	..	..	..	3	0
	2015	3	..	..	..	3	0
	2016	2	..	..	..	2	0
	2017	4	..	..	..	4	0

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Falkland Is. (Malvinas)	2014	..	3	..	..	3	966
	2015	..	3	..	..	3	1,029
	2016	..	3	..	..	3	1,031
	2017	..	3	..	..	3	938
Guyana	2014	..	11	..	2	9	12
	2015	..	11	..	0	11	15
	2016	..	14	..	2	13	16
	2017	..	15	..	1	13	17
Suriname	2014	..	0	..	..	0	1
	2015	..	0	..	..	0	1
	2016	..	0	..	..	0	1
	2017	..	0	..	..	0	1
Uruguay	2014	7	..	..	0	7	2
	2015	6	..	..	0	6	2
	2016	7	..	..	0	7	2
	2017	5	..	..	0	5	1
Venezuela (Bolivar. Rep.)	2014	68	..	..	..	68	2
	2015	76	..	..	..	76	2
	2016	54	..	..	..	54	2
	2017	35	..	..	..	35	1
Asia	2014	44,684	2,308	13,957	1,065	31,970	7
	2015	44,339	1,459	13,694	603	31,501	7
	2016	43,751	1,868	13,020	1,708	30,892	7
	2017	40,871	2,621	13,245	1,464	28,784	6
Afghanistan	2014	..	17	..	..	17	1
	2015	..	6	..	..	6	0
	2016	..	10	..	..	10	0
	2017	..	36	..	..	36	1
Armenia	2014	..	1	..	..	1	0
	2015	..	0	..	..	0	0
	2016	..	0	..	..	0	0
	2017	..	0	..	..	0	0
Azerbaijan	2014	..	5	..	0	5	0
	2015	..	15	..	1	14	1
	2016	..	11	..	-4	15	2
	2017	..	3	..	..	3	0
Bahrain	2014	0	..	0	-24	24	18
	2015	0	..	0	-28	28	20
	2016	0	..	0	-20	20	14
	2017	0	..	0	-18	18	12
Bangladesh	2014	231	0	..	..	231	1
	2015	245	0	..	..	245	2
	2016	194	..	..	..	194	1
	2017	237	..	..	..	237	1
Bhutan	2014	..	5	..	..	5	6
	2015	..	4	..	..	4	5
	2016	..	4	..	..	4	5
	2017	..	4	..	..	4	4
Brunei Darussalam	2014	6	..	..	..	6	15
	2015	6	..	..	..	6	14
	2016	6	..	..	..	6	14
	2017	6	..	..	..	6	14

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
China	2014	1,003	227	28	14	1,188	1
	2015	1,928	24	16	23	1,913	1
	2016	1,613	27	0	26	1,613	1
	2017	1,442	43	0	-22	1,507	1
China, Macao SAR	2014	..	..	..	..	..	..
	2015	..	*3	..	..	*3	*4
	2016	..	*2	..	..	*2	*4
	2017	..	*2	..	..	*2	*3
Cyprus	2014	..	13	..	0	13	11
	2015	..	11	..	-1	12	10
	2016	..	12	..	..	12	10
	2017	..	16	..	2	14	12
India	2014	7,634	30	15	0	7,649	6
	2015	7,504	41	10	0	7,535	6
	2016	6,041	0	15	..	6,026	5
	2017	4,408	..	17	..	4,391	3
Indonesia	2014	957	0	51	..	906	4
	2015	656	0	74	..	582	2
	2016	843	4	0	..	847	3
	2017	788	0	0	..	788	3
Iran (Islamic Rep. of)	2014	3,196	..	..	..	3,196	41
	2015	2,349	..	14	..	2,335	29
	2016	2,523	..	4	..	2,519	31
	2017	2,820	..	0	..	2,820	35
Iraq	2014	1,398	250	..	..	1,648	47
	2015	1,222	219	..	..	1,441	40
	2016	1,148	206	..	..	1,354	36
	2017	1,396	217	..	..	1,613	42
Israel	2014	346	295	308	84	249	31
	2015	264	310	253	36	285	35
	2016	283	255	264	23	251	31
	2017	..	373	263	-75	185	22
Japan	2014	13,237	1,115	579	13	13,760	107
	2015	12,824	731	400	-138	13,293	104
	2016	12,863	1,063	466	-105	13,565	106
	2017	12,796	1,569	421	386	13,558	106
Jordan	2014	63	..	..	14	49	6
	2015	90	..	..	0	90	10
	2016	95	..	..	11	84	9
	2017	55	68	..	32	91	9
Kazakhstan	2014	114	71	12	3	170	10
	2015	33	0	0	-25	58	3
	2016	2	0	0	-12	14	1
	2017	0	..	..	..	0	0
Korea, Dem.Ppl's.Rep.	2014	37	1	..	..	38	2
	2015	37	1	..	..	38	2
	2016	37	1	..	..	38	1
	2017	37	1	..	..	38	1
Korea, Republic of	2014	2,330	13	570	269	1,504	30
	2015	2,590	1	487	-288	2,392	47
	2016	2,716	3	265	-10	2,464	49
	2017	2,722	4	685	-58	2,099	41

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Kuwait	2014	6,145	..	6,074	..	71	19
	2015	6,403	..	6,337	..	66	17
	2016	5,505	..	5,406	..	99	24
	2017	4,527	..	4,424	..	103	25
Lao People's Dem. Rep.	2014	..	*6	..	..	*6	*1
	2015	..	*6	..	..	*6	*1
	2016	..	*6	..	..	*6	*1
	2017	..	*6	..	..	*6	*1
Malaysia	2014	97	140	204	-5	38	1
	2015	6	0	41	4	-39	-1
	2016	4	0	74	-13	-57	-2
	2017	10	..	58	-4	-44	-1
Maldives	2014	..	7	..	..	7	16
	2015	..	1	..	..	1	2
	2016	..	0	..	..	0	0
	2017	..	0	..	..	0	1
Mongolia	2014	..	1	..	..	1	0
	2015	..	5	..	..	5	2
	2016	..	59	..	..	59	20
	2017	..	50	..	..	50	16
Nepal	2014	..	20	..	..	20	1
	2015	..	13	..	..	13	0
	2016	..	15	..	..	15	1
	2017	..	17	..	..	17	1
Oman	2014	4	..	..	..	4	1
	2015	0	..	..	..	0	0
	2016	6	..	..	..	6	1
	2017	4	..	..	..	4	1
Other Asia	2014	..	..	..	2	-2	0
	2015	2	..	..	0	2	0
	2016	7	..	..	3	4	0
	2017	2	..	..	-3	5	0
Pakistan	2014	174	0	..	0	174	1
	2015	142	0	..	0	142	1
	2016	125	0	..	0	125	1
	2017	115	0	..	..	115	1
Philippines	2014	59	55	0	-22	137	1
	2015	61	26	0	-2	88	1
	2016	67	33	0	3	97	1
	2017	53	41	0	-3	97	1
Saudi Arabia	2014	6,209	..	5,913	-86	382	12
	2015	6,180	..	5,736	5	439	14
	2016	*7,251	86	*6,219	145	*973	*30
	2017	*7,336	105	*7,145	-218	*514	*16
Singapore	2014	172	7	179	..	1	0
	2015	312	2	313	..	1	0
	2016	266	20	286	..	0	0
	2017	205	18	223	..	0	0
Sri Lanka	2014	65	0	..	-57	122	6
	2015	75	0	..	-55	130	6
	2016	104	0	..	-68	172	8
	2017	60	..	..	-99	159	8

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
State of Palestine	2014	..	1	..	..	1	0
	2015	..	2	..	..	2	0
	2016	..	2	..	..	2	0
	2017	..	1	..	..	1	0
Syrian Arab Republic	2014	2	..	..	..	2	0
	2015	2	..	..	..	2	0
	2016	3	..	..	..	3	0
	2017	3	..	..	..	3	0
Thailand	2014	868	..	24	835	9	0
	2015	1,071	..	13	1,048	10	0
	2016	1,756	..	21	1,726	9	0
	2017	1,557	..	9	1,541	7	0
Turkey	2014	56	..	..	22	34	0
	2015	58	..	..	14	44	1
	2016	18	..	..	3	15	0
	2017	19	..	..	4	15	0
Turkmenistan	2014	150	..	..	..	150	27
	2015	150	..	..	..	150	27
	2016	150	..	..	..	150	26
	2017	150	..	..	..	150	26
Uzbekistan	2014	44	0	..	..	44	1
	2015	43	..	..	..	43	1
	2016	38	..	..	..	38	1
	2017	*38	0	0	..	*38	*1
Viet Nam	2014	..	29	0	3	26	0
	2015	..	41	0	9	32	0
	2016	..	50	..	..	50	1
	2017	..	49	..	..	49	1
Yemen	2014	86	..	..	..	86	3
	2015	86	..	..	..	86	3
	2016	86	..	..	..	86	3
	2017	86	..	..	..	86	3
Europe	2014	12,228	2,726	1,363	-119	13,710	18
	2015	13,013	2,695	2,056	65	13,587	18
	2016	12,407	2,778	2,019	-46	13,212	18
	2017	12,793	2,607	2,009	-40	13,431	18
Austria	2014	18	1	..	..	19	2
	2015	28	1	..	..	29	3
	2016	21	0	..	..	21	2
	2017	15	1	..	..	16	2
Belarus	2014	12	..	8	1	3	0
	2015	3	..	0	1	2	0
	2016	5	..	0	2	3	0
	2017	7	..	3	..	4	0
Belgium	2014	20	71	43	5	43	4
	2015	28	97	59	11	55	5
	2016	21	84	113	-18	10	1
	2017	31	58	166	5	-82	-7
Croatia	2014	..	2	..	..	2	0
	2015	..	3	..	..	3	1
	2016	..	4	..	..	4	1
	2017	..	3	..	..	3	1

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Czechia	2014	..	2	..	..	2	0
	2015	..	3	..	..	3	0
	2016	..	2	..	..	2	0
	2017	..	2	..	..	2	0
Finland	2014	..	254	81	..	173	32
	2015	..	153	83	..	70	13
	2016	..	350	78	..	272	49
	2017	..	140	120	..	20	4
France	2014	0	377	66	0	311	5
	2015	0	234	53	0	181	3
	2016	0	198	51	0	147	2
	2017	..	211	75	..	136	2
Germany	2014	1	9	0	-2	12	0
	2015	0	11	0	0	11	0
	2016	9	21	..	2	28	0
	2017	9	22	..	5	26	0
Greece	2014	1	..	6	-1	-4	0
	2015	1	1	4	0	-2	0
	2016	0	0	0	0	0	0
	2017	0	1	0	-1	2	0
Ireland	2014	137	371	8	-36	536	114
	2015	141	422	18	11	534	114
	2016	175	493	12	-8	664	140
	2017	159	364	0	-10	533	112
Italy	2014	639	537	256	-73	993	17
	2015	523	414	316	50	571	10
	2016	432	425	425	-10	442	7
	2017	487	655	662	1	479	8
Latvia	2014	..	1	1	0	0	0
	2015	..	0	0	0	0	0
	2016	..	0	0	0	0	0
	2017	..	..	..	..	..	..
Luxembourg	2014	..	0	..	..	0	0
	2015	..	1	..	..	1	2
	2016	..	0	..	..	0	0
	2017	..	1	..	..	1	2
Netherlands	2014	382	189	371	-14	214	13
	2015	549	215	555	-11	220	13
	2016	730	231	692	18	251	15
	2017	398	392	520	28	242	14
Norway	2014	20	129	116	-2	35	7
	2015	27	122	416	0	-267	-51
	2016	18	52	208	0	-138	-26
	2017	87	48	93	19	23	4
Poland	2014	0	1	..	..	1	0
	2015	0	0	..	..	0	0
	2016	0	0	..	..	0	0
	2017	..	1	..	..	1	0
Portugal	2014	0	1	..	0	1	0
	2015	0	1	..	0	1	0
	2016	0	1	..	0	1	0
	2017	..	1	..	..	1	0

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Romania	2014	8	3	..	..	11	1
	2015	11	2	..	..	13	1
	2016	10	1	..	..	11	1
	2017	1	1	..	..	2	0
Russian Federation	2014	*217	0	217	..	0	0
	2015	*385	..	385	..	0	0
	2016	*298	..	298	..	0	0
	2017	*252	..	252	..	0	0
Slovakia	2014	1	0	..	0	1	0
	2015	1	0	..	0	1	0
	2016	0	0	..	0	0	0
	2017	..	..	..	..	..	..
Spain	2014	8,679	..	..	48	8,631	186
	2015	9,285	..	..	-34	9,319	201
	2016	8,673	..	..	14	8,659	187
	2017	9,300	..	..	-28	9,328	201
Sweden	2014	..	1	..	..	1	0
	2015	..	0	..	..	0	0
	2016	..	0	..	..	0	0
	2017	..	..	..	..	..	..
Switzerland	2014	..	2	..	..	2	0
	2015	..	2	..	..	2	0
	2016	..	2	..	..	2	0
	2017	..	2	..	..	2	0
Ukraine	2014	..	136	26	-1	111	2
	2015	..	123	16	-9	116	3
	2016	..	*123	*16	*-9	*116	*3
	2017	..	*142	*16	..	*126	*3
United Kingdom	2014	2,093	639	164	-44	2,612	40
	2015	2,031	890	151	46	2,724	42
	2016	2,015	791	126	-37	2,717	41
	2017	2,047	562	102	-59	2,566	39
Oceania	2014	101	39	0	-1	140	4
	2015	50	26	0	1	75	2
	2016	52	29	0	1	80	2
	2017	50	26	..	1	75	2
Australia	2014	5	0	..	1	4	0
	2015	7	0	..	-1	8	0
	2016	9	0	..	0	9	0
	2017	7	..	..	1	6	0
Fiji	2014	..	1	0	..	1	1
	2015	..	0	0	..	0	0
	2016	..	1	0	..	1	1
	2017	..	*1	..	..	*1	*1
French Polynesia	2014	..	*1	..	..	*1	*3
	2015	..	*1	..	..	*1	*3
	2016	..	*1	..	..	*1	*3
	2017	..	*1	..	..	*1	*2
Kiribati	2014	..	2	..	..	2	14
	2015	..	*2	..	..	*2	*14
	2016	..	*2	..	..	*2	*14
	2017	..	*2	..	..	*2	*14

Table 19

Production, trade and supply of other kerosene

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
New Caledonia	2014	..	8	..	..	8	30
	2015	..	7	..	..	7	25
	2016	..	8	..	..	8	30
	2017	..	5	..	..	5	19
Palau	2014	..	*2	..	..	*2	*113
	2015	..	*2	..	..	*2	*113
	2016	..	*2	..	..	*2	*113
	2017	..	*2	..	..	*2	*118
Papua New Guinea	2014	96	12	..	-2	110	14
	2015	43	..	..	0	43	5
	2016	43	..	..	..	43	5
	2017	*43	..	..	..	*43	*5
Samoa	2014	..	13	..	0	13	67
	2015	..	15	..	*2	13	67
	2016	..	*15	..	*1	*14	*70
	2017	..	*15	..	..	*15	*75
Tonga	2014	..	0	..	..	0	1
	2015	..	0	..	..	0	1
	2016	..	0	..	..	0	1
	2017	..	0	..	..	0	1

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Table Notes

Data refer to aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

Production includes output from refineries and plants.

For China, data on kerosene-type jet fuel up to 2013 are included with other kerosene (Table 19).

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 54: Production of jet fuels by region, 1990-2017

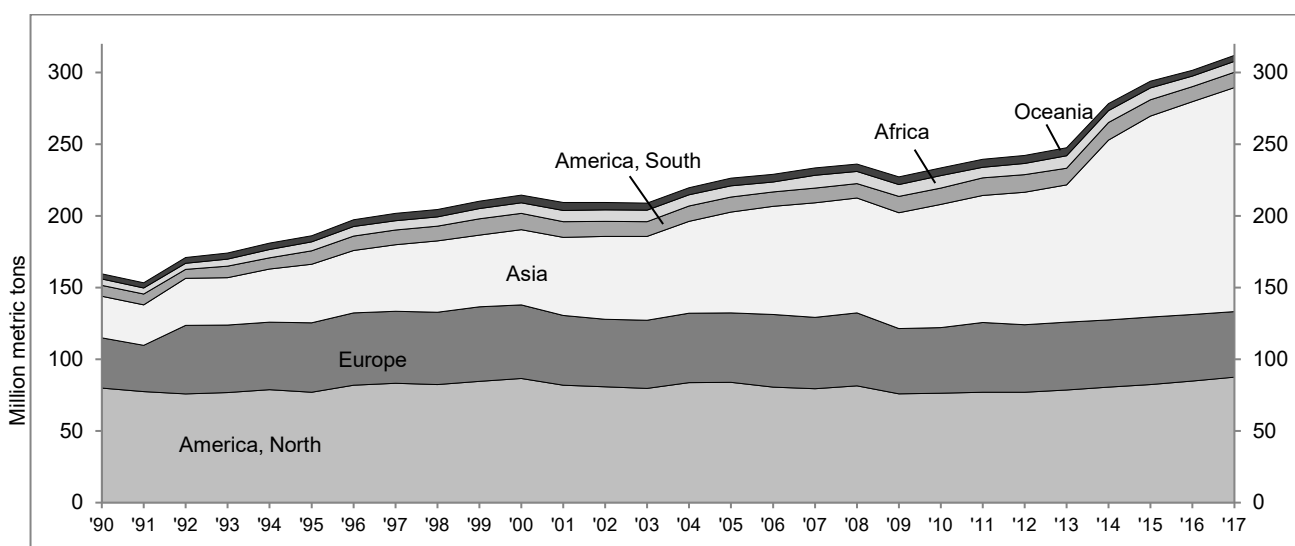


Figure 55: Major jet fuels producing countries, 2017

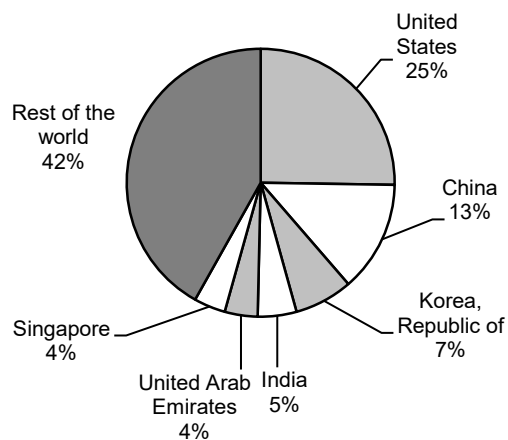
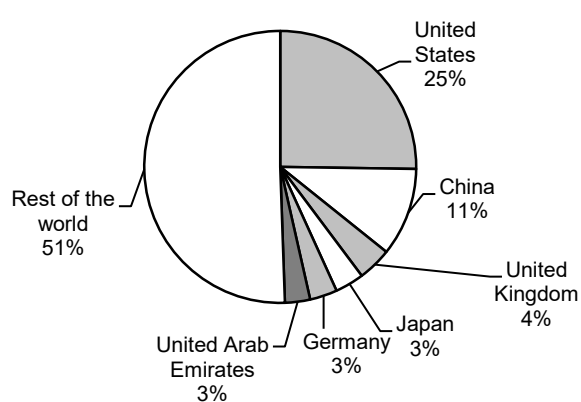


Figure 56: Major jet fuels consuming¹ countries, 2017



¹ Consumption includes bunkers

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
World	2014	278,282	70,043	78,767	160,097	-850	110,311	15
	2015	293,777	76,572	87,622	168,605	2,119	112,002	15
	2016	301,301	87,184	91,692	176,785	1,936	118,072	16
	2017	311,941	90,497	93,480	183,025	-381	126,313	17
Africa	2014	8,216	3,912	3,392	6,778	-47	2,004	2
	2015	8,339	4,318	4,111	6,858	-176	1,865	2
	2016	7,211	5,370	3,048	7,315	4	2,214	2
	2017	7,576	5,991	3,050	8,195	33	2,289	2
Algeria	2014	*1,984	..	1,481	415	*-24	*112	*3
	2015	*1,609	..	1,061	454	*-36	*130	*3
	2016	*1,635	..	1,100	*377	*30	*128	*3
	2017	*1,544	..	1,102	*355	*-35	*122	*3
Angola	2014	393	137	8	225	0	297	11
	2015	361	60	9	213	16	183	7
	2016	303	346	24	157	*20	448	16
	2017	350	382	18	300	..	414	14
Benin	2014	..	..	..	..	..	..	..
	2015	..	34	..	36	-7	5	0
	2016	..	23	..	32	-9	0	0
	2017	..	26	..	29	-4	1	0
Botswana	2014	..	13	..	11	..	2	1
	2015	..	17	..	*9	..	8	3
	2016	..	13	..	11	..	2	1
	2017	..	13	..	11	..	2	1
Burkina Faso	2014	..	34	..	33	*2	0	0
	2015	..	36	..	31	*5	0	0
	2016	..	22	..	22	0	0	0
	2017	..	27	..	27	*-1	0	0
Burundi	2014	..	4	..	4	0	0	0
	2015	..	3	..	3	0	0	0
	2016	..	2	..	2	0	0	0
	2017	..	4	..	4	..	0	0
Cabo Verde	2014	..	69	..	54	..	15	29
	2015	..	*64	..	*50	..	*14	*26
	2016	..	*58	..	*45	..	*13	*23
	2017	..	*62	..	*48	..	*14	*25
Cameroon	2014	99	7	45	49	..	12	1
	2015	107	1	84	97	..	-73	-3
	2016	106	1	83	21	..	3	0
	2017	87	1	68	17	..	3	0
Central African Rep.	2014	..	*34	..	*34	..	0	0
	2015	..	*34	..	*34	..	0	0
	2016	..	*34	..	*34	..	0	0
	2017	..	*35	..	*35	..	0	0
Chad	2014	*28	*4	*7	*18	..	*7	*1
	2015	*28	*3	*6	*18	..	*7	0
	2016	25	*3	*3	*18	..	7	0
	2017	*25	*3	*3	*18	..	*7	0
Comoros	2014	..	*4	..	*3	..	*1	*1
	2015	..	*4	..	*3	..	*1	*1
	2016	..	*5	..	*4	..	*1	*1
	2017	..	*5	..	*4	..	*1	*1

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Congo	2014	60	36	..	40	0	56	11
	2015	38	50	..	50	0	38	8
	2016	45	35	..	41	0	39	8
	2017	37	9	..	31	..	15	3
Côte d'Ivoire	2014	683	..	617	66	..	0	0
	2015	861	..	742	125	-38	32	1
	2016	634	..	468	159	0	6	0
	2017	*327	..	*148	*166	..	*13	*1
Dem. Rep. of the Congo	2014	..	226	..	226	..	0	0
	2015	..	122	..	122	..	0	0
	2016	..	115	..	115	..	0	0
	2017	..	117	..	117	..	0	0
Djibouti	2014	..	90	..	90	..	0	0
	2015	..	90	..	90	..	0	0
	2016	..	81	..	81	..	0	0
	2017	..	*81	..	*81	..	0	0
Egypt	2014	1,721	30	414	665	..	672	7
	2015	2,011	28	940	506	..	593	6
	2016	1,790	28	823	425	..	570	6
	2017	1,909	28	772	443	..	722	7
Equatorial Guinea	2014	..	*43	..	*43	..	0	0
	2015	..	*45	..	*45	..	0	0
	2016	..	*47	..	*47	..	0	0
	2017	..	*49	..	49	..	0	0
Eritrea	2014	..	10	..	10	..	0	0
	2015	..	5	..	5	..	0	0
	2016	..	10	..	10	..	0	0
	2017	..	8	..	8	..	0	0
Eswatini	2014	..	*1	..	*1	..	0	0
	2015	..	*1	..	*1	..	0	0
	2016	..	1	..	1	..	0	0
	2017	..	*2	..	*1	..	0	0
Ethiopia	2014	..	461	..	429	..	32	0
	2015	..	484	..	455	..	29	0
	2016	..	595	..	559	..	36	0
	2017	..	656	..	603	..	53	1
Gabon	2014	60	26	21	62	..	3	2
	2015	61	27	21	64	..	3	2
	2016	61	27	21	64	..	3	2
	2017	61	28	21	65	..	3	1
Gambia	2014	..	15	*1	*14	..	0	0
	2015	..	*15	*1	*14	..	0	0
	2016	..	*15	*1	*14	..	0	0
	2017	..	*15	*1	*14	..	0	0
Ghana	2014	9	120	..	114	..	16	1
	2015	18	117	..	98	-2	39	1
	2016	38	121	..	127	0	31	1
	2017	0	191	..	160	3	28	1
Guinea	2014	..	*30	..	*25	..	*5	0
	2015	..	*30	..	*25	..	*5	0
	2016	..	*31	..	*26	..	*5	0
	2017	..	*31	..	*26	..	*5	0

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Guinea-Bissau	2014	..	*12	..	*12	..	0	0
	2015	..	*12	..	*12	..	0	0
	2016	..	*13	..	*13	..	0	0
	2017	..	*13	..	*13	..	0	0
Kenya	2014	0	212	38	210	..	-36	-1
	2015	0	314	82	301	-82	14	0
	2016	0	709	77	705	..	-73	-2
	2017	0	763	218	762	..	-217	-4
Lesotho	2014	..	*1	..	0	..	0	0
	2015	..	3	..	0	..	2	1
	2016	..	1	..	0	..	1	0
	2017	..	0	..	0	..	0	0
Liberia	2014	..	21	..	*7	..	14	3
	2015	..	14	..	*7	..	8	2
	2016	..	*14	..	*7	..	*8	*2
	2017	..	*14	..	*7	..	*8	*2
Libya	2014	439	..	340	97	..	2	0
	2015	316	..	263	51	..	2	0
	2016	182	..	127	53	..	2	0
	2017	436	..	377	56	..	3	0
Madagascar	2014	..	44	..	*36	0	8	0
	2015	..	48	..	*38	0	10	0
	2016	..	50	..	*38	0	12	0
	2017	..	49	..	40	0	10	0
Malawi	2014	..	6	..	*5	..	1	0
	2015	..	7	..	*6	..	1	0
	2016	..	7	..	*6	..	1	0
	2017	..	8	..	*7	..	1	0
Mali	2014	..	*45	..	*45	..	0	0
	2015	..	*47	..	*47	..	0	0
	2016	..	*47	..	*47	..	0	0
	2017	..	*47	..	*47	..	0	0
Mauritania	2014	..	22	..	21	..	1	0
	2015	..	*17	..	*16	..	*1	0
	2016	..	*17	..	*16	..	*1	0
	2017	..	15	..	*14	..	1	0
Mauritius	2014	..	232	..	122	-12	122	97
	2015	..	269	..	142	7	120	95
	2016	..	285	..	142	2	142	112
	2017	..	310	..	154	2	154	122
Morocco	2014	906	30	291	606	15	24	1
	2015	412	371	180	630	-51	24	1
	2016	0	640	9	642	-36	25	1
	2017	..	717	..	678	14	25	1
Mozambique	2014	..	156	..	120	..	36	1
	2015	..	108	..	*45	..	63	2
	2016	..	138	..	*46	..	92	3
	2017	..	129	..	38	63	28	1
Namibia	2014	..	42	..	36	..	6	3
	2015	..	44	..	38	..	6	2
	2016	..	44	..	38	..	6	2
	2017	..	43	..	37	..	6	2

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Niger	2014	..	31	..	31	..	0	0
	2015	..	41	..	41	..	0	0
	2016	..	45	..	45	..	0	0
	2017	..	45	..	*45	..	0	0
Nigeria	2014	47	344	..	302	..	89	1
	2015	15	441	..	339	..	117	1
	2016	41	539	..	424	..	156	1
	2017	54	517	..	410	..	161	1
Rwanda	2014	..	*35	..	*20	..	*15	*1
	2015	..	45	..	*23	..	22	2
	2016	..	44	..	*22	..	22	2
	2017	..	*52	..	*28	..	*24	*2
Sao Tome and Principe	2014	..	*11	..	*10	..	*1	*5
	2015	..	*11	..	*10	..	*1	*5
	2016	..	*12	..	*11	..	*1	*5
	2017	..	*12	..	*11	..	*1	*5
Senegal	2014	19	194	..	194	-12	31	2
	2015	18	270	..	277	7	4	0
	2016	0	224	..	214	-9	19	1
	2017	0	227	..	222	0	5	0
Seychelles	2014	..	32	..	*29	..	3	28
	2015	..	40	..	*38	..	2	24
	2016	..	46	..	*40	..	6	62
	2017	..	60	..	*52	..	8	80
Sierra Leone	2014	..	*2	..	*2	..	0	0
	2015	..	*1	..	*1	..	0	0
	2016	..	*4	..	*4	..	0	0
	2017	..	*5	..	*5	..	0	0
Somalia	2014	..	*43	..	43	..	0	0
	2015	..	*43	..	43	..	0	0
	2016	..	*43	..	43	..	0	0
	2017	..	*43	..	43	..	0	0
South Africa	2014	1,625	259	129	1,385	..	370	7
	2015	2,341	247	722	1,477	..	389	7
	2016	2,172	110	312	1,553	..	417	7
	2017	2,638	358	322	2,057	..	617	11
South Sudan	2014	..	48	..	37	..	11	1
	2015	..	75	..	58	..	17	2
	2016	..	80	..	61	..	19	2
	2017	..	78	..	62	..	16	1
Sudan	2014	107	49	..	*156	..	0	0
	2015	111	16	..	*128	..	0	0
	2016	156	0	..	*156	0	0	0
	2017	82	52	..	*134	..	0	0
Togo	2014	..	73	..	79	..	-6	-1
	2015	..	77	..	83	..	-6	-1
	2016	..	81	..	88	..	-7	-1
	2017	..	84	..	91	..	-7	-1
Tunisia	2014	..	258	..	264	-15	9	1
	2015	..	203	..	202	5	-4	0
	2016	..	225	..	215	7	3	0
	2017	..	250	..	251	-10	9	1

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Uganda	2014	..	120	..	115	..	6	0
	2015	..	83	..	83	..	0	0
	2016	..	98	..	98	..	0	0
	2017	..	102	..	102	..	0	0
United Rep. of Tanzania	2014	..	181	..	113	..	68	1
	2015	..	168	..	104	..	64	1
	2016	..	185	..	115	..	70	1
	2017	..	154	..	133	..	21	0
Zambia	2014	35	4	..	39	..	0	0
	2015	32	6	..	44	..	-6	0
	2016	24	14	..	38	..	0	0
	2017	26	12	..	26	..	12	1
Zimbabwe	2014	..	13	..	13	..	0	0
	2015	..	27	..	27	..	0	0
	2016	..	46	..	46	..	0	0
	2017	..	61	..	61	..	0	0
America, North	2014	80,362	10,066	9,762	26,424	124	54,120	96
	2015	82,173	13,075	9,969	28,770	-121	56,629	99
	2016	84,701	13,912	9,823	29,716	541	58,532	102
	2017	87,590	15,268	10,784	30,214	-176	62,037	107
Antigua and Barbuda	2014	..	*74	..	*63	..	*11	*114
	2015	..	*76	..	*64	..	*12	*115
	2016	..	*77	..	*65	..	*12	*116
	2017	..	*77	..	*65	..	*12	*115
Aruba	2014	..	*83	..	*83	..	0	0
	2015	..	*85	..	*85	..	0	0
	2016	..	*85	..	*85	..	0	0
	2017	..	*88	..	*88	..	0	0
Bahamas	2014	..	56	..	*54	..	1	4
	2015	..	*51	..	*50	..	*1	*3
	2016	..	27	..	*26	..	1	3
	2017	..	30	..	*29	..	1	3
Barbados	2014	..	*126	..	*126	..	0	0
	2015	..	*126	..	*126	..	0	0
	2016	..	*121	..	*121	..	0	0
	2017	..	*133	..	*133	..	0	0
Belize	2014	..	13	..	12	..	0	1
	2015	..	13	..	12	..	0	1
	2016	..	16	..	15	..	0	1
	2017	..	15	..	15	..	0	1
Bermuda	2014	..	*18	..	*18	..	0	0
	2015	..	*16	..	*16	..	0	0
	2016	..	*14	..	*14	..	0	0
	2017	..	*15	..	*15	..	0	0
Bonaire, St Eustatius, Saba	2014	..	*8	..	*8	..	0	0
	2015	..	*8	..	*8	..	0	0
	2016	..	*8	..	*8	..	0	0
	2017	..	*8	..	*8	..	0	0
Canada	2014	4,165	2,407	404	771	23	5,374	151
	2015	4,294	2,845	433	811	6	5,889	164
	2016	4,578	2,675	497	595	-1	6,162	170
	2017	5,661	2,355	913	598	25	6,480	177

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Cayman Islands	2014	..	28	..	26	..	2	34
	2015	..	34	..	32	..	2	33
	2016	..	37	..	36	..	2	31
	2017	..	40	..	38	..	2	32
Costa Rica	2014	..	176	..	*151	7	18	4
	2015	..	182	..	*165	2	15	3
	2016	..	191	..	*185	-9	14	3
	2017	..	224	..	187	13	24	5
Cuba	2014	276	576	654	*115	..	83	7
	2015	244	577	*645	*108	..	69	6
	2016	42	273	*133	50	..	132	12
	2017	68	508	*368	*103	..	105	9
Curaçao	2014	707	59	706	60	..	0	0
	2015	658	58	657	59	..	0	0
	2016	574	57	573	58	..	0	0
	2017	470	58	469	59	..	0	0
Dominica	2014	..	*1	..	*1	..	0	0
	2015	..	*1	..	*1	..	0	0
	2016	..	*1	..	*1	..	0	0
	2017	..	*1	..	*1	..	0	0
Dominican Republic	2014	232	247	..	465	-6	20	2
	2015	138	355	..	490	7	-4	0
	2016	204	305	..	496	-1	14	1
	2017	154	392	..	539	-1	8	1
El Salvador	2014	..	150	..	150	..	0	0
	2015	..	150	..	149	..	1	0
	2016	..	167	1	166	..	0	0
	2017	..	171	6	165	..	0	0
Greenland	2014	..	17	..	..	2	15	270
	2015	..	15	..	..	-1	16	283
	2016	..	17	..	..	1	17	293
	2017	..	28	..	..	9	19	333
Grenada	2014	..	5	..	5	..	0	0
	2015	..	6	..	6	..	0	0
	2016	..	7	..	7	..	0	1
	2017	..	8	..	7	..	0	1
Guatemala	2014	..	24	..	20	..	4	0
	2015	..	57	2	58	..	-3	0
	2016	..	62	2	59	..	1	0
	2017	..	101	3	97	..	1	0
Haiti	2014	..	34	..	34	..	0	0
	2015	..	23	..	22	..	1	0
	2016	..	23	..	22	..	1	0
	2017	..	23	..	22	..	1	0
Honduras	2014	..	69	..	58	..	11	1
	2015	..	79	..	67	..	12	1
	2016	..	59	..	50	..	9	1
	2017	..	55	..	47	..	8	1
Jamaica	2014	82	112	196	..	3	-5	-2
	2015	99	108	198	..	10	-1	0
	2016	74	125	202	..	4	-7	-2
	2017	50	172	172	..	8	42	14

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Mexico	2014	2,436	563	0	3,046	-39	-8	0
	2015	2,182	1,088	0	3,239	-38	69	1
	2016	1,958	1,547	0	3,487	33	-15	0
	2017	1,884	1,987	0	3,733	12	126	1
Nicaragua	2014	23	1	..	19	1	4	1
	2015	25	1	..	22	1	3	0
	2016	28	2	..	22	1	7	1
	2017	29	2	..	25	3	3	0
Panama	2014	..	558	..	585	-48	21	5
	2015	..	635	..	641	-54	48	12
	2016	..	791	..	676	-44	158	39
	2017	..	883	..	687	-103	299	73
Sint Maarten (Dutch part)	2014	..	*49	..	*49	..	0	0
	2015	..	*51	..	*51	..	0	0
	2016	..	*51	..	*51	..	0	0
	2017	..	*49	..	*49	..	0	0
Trinidad and Tobago	2014	476	0	174	212	-25	115	85
	2015	553	0	196	239	4	114	84
	2016	669	0	253	309	0	107	78
	2017	509	2	183	224	7	97	71
United States	2014	71,966	4,614	7,628	20,292	207	48,453	153
	2015	73,980	6,435	7,838	22,250	-59	50,386	157
	2016	76,575	7,174	8,162	23,114	557	51,916	161
	2017	78,766	7,843	8,670	23,279	-150	54,810	169
America, South	2014	12,195	2,022	3,160	6,760	-622	4,918	12
	2015	11,325	2,262	2,793	6,565	-556	4,786	11
	2016	10,590	2,015	2,002	6,631	-705	4,676	11
	2017	10,665	1,968	1,599	6,811	-551	4,774	11
Argentina	2014	1,286	69	..	881	-9	483	11
	2015	1,301	95	..	896	12	488	11
	2016	1,298	121	2	925	-6	498	11
	2017	1,434	89	5	982	8	528	12
Bolivia (Plur. State of)	2014	181	..	..	90	0	91	9
	2015	191	..	..	90	2	99	9
	2016	189	..	..	84	-1	106	10
	2017	190	..	..	79	-1	112	10
Brazil	2014	4,992	1,218	102	2,381	55	3,672	18
	2015	4,635	1,113	85	2,325	-22	3,360	16
	2016	4,729	775	96	2,158	-54	3,304	16
	2017	5,041	467	97	2,110	63	3,238	15
Chile	2014	629	402	0	615	15	401	23
	2015	578	503	0	532	2	547	31
	2016	556	605	0	548	38	575	32
	2017	592	627	0	579	14	626	35
Colombia	2014	1,084	40	26	1,032	55	11	0
	2015	789	74	0	*853	0	10	0
	2016	982	103	0	*1,073	0	12	0
	2017	1,221	152	37	1,272	..	64	1
Ecuador	2014	351	37	..	201	-2	189	12
	2015	349	31	..	184	-10	206	13
	2016	342	4	..	229	-2	118	7
	2017	393	4	..	248	-4	154	9

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Falkland Is. (Malvinas)	2014	..	0	..	..	..	0	59
	2015	..	0	..	..	..	0	57
	2016	..	0	..	..	..	0	66
	2017	..	0	..	..	..	0	70
Guyana	2014	..	10	..	9	..	1	1
	2015	..	14	..	13	..	1	1
	2016	..	17	..	16	..	1	1
	2017	..	18	..	18	..	1	1
Paraguay	2014	..	40	..	37	0	3	0
	2015	..	36	..	33	..	3	0
	2016	..	49	..	45	..	3	0
	2017	..	64	..	60	..	3	1
Peru	2014	747	155	782	801	-738	57	2
	2015	620	344	603	840	-540	61	2
	2016	639	295	630	950	-695	49	2
	2017	620	442	662	979	-617	37	1
Suriname	2014	..	48	..	*43	..	5	9
	2015	..	49	..	*44	..	5	9
	2016	..	44	..	*39	..	4	8
	2017	..	45	..	*41	..	5	8
Uruguay	2014	84	3	0	79	3	5	2
	2015	94	3	0	93	-1	5	2
	2016	114	1	..	96	15	5	1
	2017	31	60	..	98	-14	8	2
Venezuela (Bolivar. Rep.)	2014	2,841	..	2,250	591	0	0	0
	2015	2,768	..	2,105	663	0	0	0
	2016	1,741	..	1,274	467	0	0	0
	2017	1,143	..	798	346	0	-1	0
Asia	2014	125,443	19,837	46,599	64,214	3	34,464	8
	2015	140,204	19,926	53,733	69,587	1,615	35,195	8
	2016	148,399	25,536	58,587	74,256	2,152	38,940	9
	2017	156,287	25,561	58,773	76,653	939	45,483	10
Afghanistan	2014	..	*52	..	*10	..	*41	*1
	2015	..	66	..	*10	..	57	2
	2016	..	*66	..	*10	..	*56	*2
	2017	..	*67	..	*11	..	*57	*2
Armenia	2014	..	40	..	*40	..	0	0
	2015	..	31	..	*31	..	0	0
	2016	..	44	..	44	..	0	0
	2017	..	54	..	54	..	0	0
Azerbaijan	2014	709	..	196	347	-6	172	18
	2015	689	..	237	265	-8	195	20
	2016	627	..	236	175	-15	231	24
	2017	588	82	181	159	-1	331	34
Bahrain	2014	2,993	..	2,802	395	-246	42	31
	2015	3,323	..	2,852	436	2	33	24
	2016	3,175	..	2,636	435	72	32	22
	2017	3,116	..	2,678	447	-36	27	18
Bangladesh	2014	1	334	..	323	..	12	0
	2015	1	338	..	339	..	0	0
	2016	1	354	..	347	..	8	0
	2017	1	394	..	377	..	18	0

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Bhutan	2014	..	3	..	*3	..	0	0
	2015	..	3	..	*3	..	0	0
	2016	..	3	..	*3	..	0	0
	2017	..	3	..	*3	..	0	0
Brunei Darussalam	2014	58	18	6	71	0	-1	-2
	2015	71	12	0	82	1	0	0
	2016	51	26	0	74	-2	5	12
	2017	46	30	0	71	2	3	7
Cambodia	2014	..	92	..	86	..	6	0
	2015	..	97	..	91	..	6	0
	2016	..	105	..	86	..	19	1
	2017	..	153	..	108	7	38	2
China	2014	30,532	3,914	10,637	6,962	82	16,766	12
	2015	35,443	3,461	12,357	7,572	135	18,840	13
	2016	39,081	3,494	13,099	8,363	156	20,957	15
	2017	41,797	3,714	13,132	9,285	-127	23,221	16
China, Hong Kong SAR	2014	..	5,636	1	5,834	-211	11	2
	2015	..	5,977	0	6,140	-175	11	2
	2016	..	6,379	0	6,262	108	10	1
	2017	..	6,305	0	6,620	-326	11	1
Cyprus	2014	..	221	0	231	-4	-6	-5
	2015	..	265	23	233	8	1	1
	2016	..	290	16	263	11	0	0
	2017	..	290	0	299	-8	-1	-1
Georgia	2014	..	78	..	80	-3	1	0
	2015	..	65	..	70	-6	1	0
	2016	..	71	..	71	-1	1	0
	2017	..	101	..	95	5	1	0
India	2014	11,103	0	*5,645	*3,798	*-40	1,700	1
	2015	11,789	0	*5,686	*4,383	*48	1,672	1
	2016	*13,828	*338	*7,270	*4,899	*57	*1,940	*1
	2017	14,594	291	7,183	*3,792	*10	3,900	3
Indonesia	2014	2,274	768	2	1,298	..	1,742	7
	2015	2,553	956	2	835	..	2,671	10
	2016	2,599	890	2	775	..	2,712	10
	2017	2,613	1,673	2	964	..	3,320	13
Iran (Islamic Rep. of)	2014	1,260	1	..	1,273	..	-12	0
	2015	1,741	1	..	1,325	..	416	5
	2016	1,517	*1	8	1,504	..	6	0
	2017	1,592	*1	..	1,583	..	10	0
Iraq	2014	215	312	..	527	..	0	0
	2015	197	330	..	527	..	0	0
	2016	211	448	..	659	..	0	0
	2017	247	392	..	639	..	0	0
Israel	2014	820	..	..	799	..	21	3
	2015	868	..	..	846	..	22	3
	2016	934	..	..	911	..	23	3
	2017	1,081	..	..	1,021	..	60	7
Japan	2014	12,054	467	2,220	6,026	87	4,188	33
	2015	12,334	615	2,661	6,076	-13	4,225	33
	2016	12,461	653	2,697	6,353	-3	4,067	32
	2017	11,500	1,262	2,071	6,652	61	3,978	31

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Jordan	2014	326	26	..	127	16	209	24
	2015	262	33	..	100	-1	196	21
	2016	291	63	..	87	22	244	26
	2017	287	129	..	63	20	333	34
Kazakhstan	2014	302	27	1	*226	12	90	5
	2015	280	87	16	*306	7	38	2
	2016	*264	*151	*15	*330	3	*67	*4
	2017	302	263	17	*477	7	64	4
Korea, Republic of	2014	17,053	1	11,831	4,033	-120	1,310	26
	2015	19,135	..	13,521	4,146	-41	1,509	30
	2016	20,277	..	14,042	4,632	248	1,355	27
	2017	21,944	..	15,160	4,742	178	1,864	37
Kuwait	2014	2,438	..	1,700	729	..	9	2
	2015	2,540	..	1,802	738	..	0	0
	2016	2,184	..	1,459	725	..	0	0
	2017	1,796	..	887	909	..	0	0
Kyrgyzstan	2014	..	96	89	4	1	2	0
	2015	..	182	71	103	6	2	0
	2016	..	181	55	103	-3	26	4
	2017	..	80	57	19	1	3	0
Lao People's Dem. Rep.	2014	..	46	..	*35	..	11	2
	2015	..	45	..	*34	..	12	2
	2016	..	*45	..	*34	..	*12	*2
	2017	..	*46	..	*34	..	*12	*2
Lebanon	2014	..	229	..	*229	..	0	0
	2015	..	205	..	*205	..	0	0
	2016	..	244	..	*244	..	0	0
	2017	..	270	..	*270	..	0	0
Malaysia	2014	2,824	369	517	2,447	-374	603	20
	2015	2,751	536	532	2,428	-93	420	14
	2016	2,924	1,404	1,035	2,339	-97	1,051	34
	2017	3,152	1,167	1,288	2,494	-3	540	17
Maldives	2014	..	223	..	*187	..	36	83
	2015	..	63	..	*30	..	33	74
	2016	..	*31	..	*15	..	*16	*33
	2017	..	42	..	*20	..	22	44
Myanmar	2014	17	114	..	..	-1	132	3
	2015	17	114	..	..	-1	132	3
	2016	16	103	..	..	-14	132	3
	2017	15	191	..	..	-2	208	4
Nepal	2014	..	139	..	*139	..	0	0
	2015	..	93	..	93	..	0	0
	2016	..	128	..	128	..	0	0
	2017	..	153	..	151	..	2	0
Oman	2014	617	..	144	507	-34	0	0
	2015	668	..	149	505	..	14	3
	2016	666	..	136	217	..	313	71
	2017	923	..	277	297	..	349	75
Other Asia	2014	3,738	..	1,011	2,398	54	275	12
	2015	3,831	173	1,022	2,554	-12	440	19
	2016	3,729	211	912	2,745	36	247	10
	2017	3,780	106	829	2,845	-11	223	9

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Pakistan	2014	799	69	80	196	0	592	3
	2015	836	104	98	209	0	633	3
	2016	879	157	127	240	0	669	3
	2017	914	247	220	*250	..	691	4
Philippines	2014	768	847	..	1,054	-6	567	6
	2015	926	736	..	1,232	9	420	4
	2016	1,020	880	..	1,313	8	578	6
	2017	913	1,149	..	1,601	-2	463	4
Qatar	2014	2,881	..	827	1,254	800	0	0
	2015	3,052	..	415	1,209	1,428	0	0
	2016	3,447	..	154	1,719	1,574	0	0
	2017	4,683	..	1,249	2,747	687	0	0
Saudi Arabia	2014	3,689	..	630	2,294	..	765	25
	2015	3,672	..	155	2,638	..	879	28
	2016	4,271	..	679	2,803	..	789	24
	2017	4,321	..	270	3,070	..	981	30
Singapore	2014	9,596	1,938	4,795	*6,741	..	-2	0
	2015	9,692	1,906	4,703	*6,897	..	-1	0
	2016	10,175	2,974	5,843	*7,305	..	0	0
	2017	11,864	3,086	7,413	*7,537	..	0	0
Sri Lanka	2014	168	235	..	458	-58	3	0
	2015	155	271	..	371	52	3	0
	2016	148	337	..	523	-42	3	0
	2017	236	282	..	540	-31	9	0
Syrian Arab Republic	2014	163	..	115	16	..	32	2
	2015	163	..	116	16	..	31	2
	2016	182	..	135	16	..	31	2
	2017	176	..	113	6	..	57	3
Tajikistan	2014	..	61	..	61	..	0	0
	2015	..	54	..	54	..	0	0
	2016	..	35	..	35	..	0	0
	2017	..	18	..	18	..	0	0
Thailand	2014	5,224	3	972	3,528	122	605	9
	2015	5,587	3	1,138	3,714	-4	742	11
	2016	5,262	66	417	3,941	62	908	13
	2017	5,573	37	568	4,149	-13	906	13
Timor-Leste	2014	..	*3	..	*3	..	0	0
	2015	..	*3	..	*3	..	0	0
	2016	..	*3	..	*3	..	0	0
	2017	..	*3	..	*3	..	0	0
Turkey	2014	3,548	850	959	2,540	-69	968	13
	2015	5,027	180	281	3,469	270	1,187	15
	2016	4,504	337	196	3,334	-32	1,343	17
	2017	4,837	194	314	3,454	69	1,194	15
Turkmenistan	2014	470	..	..	470	..	0	0
	2015	470	..	..	470	..	0	0
	2016	470	..	..	470	..	0	0
	2017	470	..	..	470	..	0	0
United Arab Emirates	2014	8,263	1,416	723	5,604	..	3,352	370
	2015	11,734	1,520	5,455	7,794	..	5	1
	2016	12,664	3,017	6,765	8,269	..	647	70
	2017	12,398	1,521	4,216	7,391	451	1,861	198

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Uzbekistan	2014	156	1	53	*58	..	45	1
	2015	153	2	31	*57	..	67	2
	2016	140	84	79	*50	..	95	3
	2017	*140	0	66	*50	..	*24	*1
Viet Nam	2014	97	1,209	427	702	*1	176	2
	2015	196	1,399	372	938	2	283	3
	2016	377	1,925	554	1,397	3	348	4
	2017	357	1,765	557	860	0	705	7
Yemen	2014	287	..	217	70	..	0	0
	2015	50	..	38	12	..	0	0
	2016	26	..	*20	6	..	0	0
	2017	31	..	*25	6	..	0	0
Europe	2014	47,054	31,061	15,838	51,262	-311	11,326	15
	2015	47,187	33,150	16,993	52,160	1,277	9,906	13
	2016	46,376	35,401	18,228	53,763	-101	9,886	13
	2017	45,662	36,464	19,218	55,567	-615	7,957	11
Albania	2014	..	8	..	7	..	1	0
	2015	..	2	..	2	..	0	0
	2016	..	10	..	6	3	1	0
	2017	..	17	..	0	10	7	2
Austria	2014	581	85	32	627	-23	30	3
	2015	649	113	38	675	17	32	4
	2016	652	140	25	738	-2	31	4
	2017	614	148	30	713	-10	29	3
Belarus	2014	337	17	226	110	-4	22	2
	2015	388	12	266	111	2	21	2
	2016	329	21	199	119	10	22	2
	2017	401	15	260	126	8	22	2
Belgium	2014	1,666	945	1,318	1,295	-73	71	6
	2015	1,686	798	868	1,408	157	51	5
	2016	1,666	490	770	1,401	-39	24	2
	2017	1,942	1,476	1,787	1,540	-11	102	9
Bosnia and Herzegovina	2014	..	5	..	4	..	1	0
	2015	..	6	..	6	..	0	0
	2016	..	10	..	10	..	0	0
	2017	..	10	..	10	..	0	0
Bulgaria	2014	173	7	8	165	-4	11	2
	2015	179	34	22	172	6	13	2
	2016	207	33	20	207	-3	16	2
	2017	265	14	25	232	2	20	3
Croatia	2014	106	28	4	115	5	10	2
	2015	105	24	6	111	2	10	2
	2016	116	22	10	118	..	10	2
	2017	131	31	15	141	-5	11	3
Czechia	2014	160	128	0	283	-13	18	2
	2015	186	143	0	285	7	37	3
	2016	60	276	..	306	-11	41	4
	2017	180	210	1	343	-10	56	5
Denmark	2014	137	748	64	868	-100	53	9
	2015	144	900	65	850	82	47	8
	2016	130	1,063	84	914	114	81	14
	2017	122	928	179	943	-134	62	11

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Estonia	2014	..	53	6	46	0	1	1
	2015	..	73	23	49	0	1	1
	2016	..	64	19	45	0	0	0
	2017	..	78	19	58	..	1	1
Finland	2014	542	243	15	606	-8	172	32
	2015	546	315	5	619	-1	238	43
	2016	572	308	6	621	-2	255	46
	2017	755	160	7	658	-4	254	46
France	2014	3,761	4,355	1,067	5,876	30	1,143	17
	2015	3,874	4,733	1,148	6,172	68	1,219	18
	2016	3,790	4,600	1,031	6,132	41	1,186	18
	2017	4,258	4,413	1,216	6,256	137	1,062	16
Germany	2014	4,862	4,825	893	7,826	-58	1,026	13
	2015	5,178	5,002	1,218	7,836	83	1,043	13
	2016	5,317	5,014	864	8,429	36	1,002	12
	2017	5,347	5,935	1,296	9,319	-81	748	9
Gibraltar	2014	..	7	..	7	..	0	0
	2015	..	8	..	8	..	0	0
	2016	..	8	..	8	..	0	0
	2017	..	8	..	8	..	0	0
Greece	2014	2,237	164	1,065	757	67	512	45
	2015	2,079	225	1,193	802	-113	422	38
	2016	2,328	166	1,229	856	65	344	31
	2017	2,431	220	1,384	960	-32	339	30
Hungary	2014	191	0	16	171	4	0	0
	2015	191	1	11	175	1	5	1
	2016	199	14	11	186	9	7	1
	2017	236	1	8	216	4	9	1
Iceland	2014	..	188	..	177	-2	13	40
	2015	..	218	..	214	-2	6	18
	2016	..	321	..	291	12	18	54
	2017	..	344	..	364	-12	-8	-24
Ireland	2014	..	898	0	704	4	190	41
	2015	..	1,159	80	796	-6	289	61
	2016	..	1,066	0	822	1	243	51
	2017	..	1,230	0	966	7	257	54
Italy	2014	2,269	1,574	19	2,995	91	738	12
	2015	2,115	1,835	21	3,083	43	803	13
	2016	2,047	2,088	66	3,209	14	846	14
	2017	2,218	2,273	226	3,329	34	902	15
Kosovo	2014	..	2	..	2	..	0	0
	2015	..	4	..	4	..	0	0
	2016	..	4	..	4	..	0	0
	2017	..	6	..	6	..	0	0
Latvia	2014	..	112	5	106	0	1	0
	2015	..	104	0	104	0	0	0
	2016	..	122	2	119	0	1	1
	2017	..	137	..	136	..	1	1
Lithuania	2014	948	29	153	75	5	744	251
	2015	1,029	52	141	79	..	861	294
	2016	1,082	68	200	93	-1	858	295
	2017	1,059	52	213	103	11	784	271

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Luxembourg	2014	..	394	..	394	..	0	0
	2015	..	444	..	445	-1	0	0
	2016	..	498	4	493	..	1	2
	2017	..	580	22	558	..	0	0
Malta	2014	..	108	0	108	-1	1	2
	2015	..	116	0	112	2	2	5
	2016	..	121	0	121	-2	2	5
	2017	..	152	..	136	16	0	0
Montenegro	2014	..	18	0	17	1	0	0
	2015	..	24	5	18	1	0	0
	2016	..	25	6	19	0	0	0
	2017	..	46	26	20	..	0	0
Netherlands	2014	7,003	2,614	6,103	3,481	-38	71	4
	2015	7,503	3,074	6,630	3,659	275	13	1
	2016	7,556	4,469	8,256	3,754	-82	97	6
	2017	7,654	3,626	7,549	3,863	-210	78	5
North Macedonia	2014	0	27	16	..	-1	12	6
	2015	0	28	14	..	0	13	6
	2016	0	28	13	..	0	15	7
	2017	..	33	13	..	0	20	10
Norway	2014	595	387	12	606	-55	419	82
	2015	840	399	38	583	5	613	118
	2016	533	381	20	502	-5	397	76
	2017	763	206	5	524	-31	471	89
Poland	2014	1,156	27	554	569	33	27	1
	2015	1,096	46	487	632	5	18	0
	2016	1,183	22	535	665	-20	25	1
	2017	1,119	2	265	828	1	27	1
Portugal	2014	976	109	1	941	-44	187	18
	2015	1,160	12	2	1,019	0	151	14
	2016	1,237	17	1	1,119	1	133	13
	2017	1,361	68	3	1,247	16	163	16
Republic of Moldova	2014	..	27	..	25	2	0	0
	2015	..	22	..	24	-2	0	0
	2016	..	33	..	32	1	0	0
	2017	..	46	..	47	-1	0	0
Romania	2014	372	17	224	178	-1	-12	-1
	2015	400	16	275	204	-8	-55	-3
	2016	398	22	255	248	-8	-75	-4
	2017	381	87	269	292	9	-102	-5
Russian Federation	2014	13,699	36	2,167	*5,627	..	5,941	41
	2015	12,298	27	2,338	*5,045	..	4,942	34
	2016	*12,030	31	2,432	*4,857	..	*4,772	*33
	2017	8,945	68	2,272	*3,440	..	3,301	23
Serbia	2014	109	1	40	67	1	2	0
	2015	108	1	45	62	2	0	0
	2016	123	5	15	115	-2	0	0
	2017	155	1	27	128	1	0	0
Slovakia	2014	78	..	43	34	1	0	0
	2015	92	..	46	42	4	0	0
	2016	99	3	60	48	-6	0	0
	2017	76	..	33	39	4	0	0

Table 20

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Slovenia	2014	..	317	317	25	-26	1	0
	2015	..	318	290	25	2	1	0
	2016	..	231	180	21	29	1	0
	2017	..	240	216	25	-2	1	0
Spain	2014	197	1,955	339	3,556	26	-1,769	-38
	2015	226	2,217	516	3,758	435	-2,266	-49
	2016	214	2,191	619	3,984	-156	-2,042	-44
	2017	189	2,244	578	4,349	-271	-2,223	-48
Sweden	2014	248	873	58	703	86	274	28
	2015	104	790	0	720	-5	179	18
	2016	73	954	70	800	-52	209	21
	2017	22	947	16	867	-70	156	16
Switzerland	2014	16	1,558	..	1,530	-19	63	8
	2015	38	1,606	..	1,580	15	49	6
	2016	43	1,668	..	1,653	-1	59	7
	2017	7	1,725	..	1,710	-7	29	3
Ukraine	2014	..	..	..	*128	..	*-128	*-3
	2015	..	..	..	121	..	-121	-3
	2016	..	..	..	*121	..	*-121	*-3
	2017	..	..	..	*121	..	*-121	*-3
United Kingdom	2014	4,635	8,172	1,073	10,451	-197	1,480	23
	2015	4,973	8,249	1,202	10,550	201	1,269	19
	2016	4,392	8,793	1,226	10,577	-45	1,427	22
	2017	5,031	8,687	1,258	10,946	16	1,498	23
Oceania	2014	5,012	3,145	16	4,659	3	3,479	89
	2015	4,548	3,841	23	4,665	81	3,621	92
	2016	4,024	4,951	4	5,103	44	3,824	95
	2017	4,160	5,244	56	5,585	-10	3,774	93
Australia	2014	4,044	2,758	16	3,683	12	3,091	132
	2015	3,445	3,405	23	3,660	71	3,096	130
	2016	2,759	4,428	4	3,852	41	3,290	136
	2017	2,841	4,640	56	4,212	6	3,207	131
Cook Islands	2014	..	*10	..	*10	..	0	0
	2015	..	*9	..	*9	..	0	0
	2016	..	*9	..	*9	..	0	0
	2017	..	*9	..	*9	..	0	0
Fiji	2014	..	*88	0	*35	..	*52	*59
	2015	..	185	0	*60	..	124	139
	2016	..	148	0	*50	..	98	109
	2017	..	*170	..	*57	..	*112	*124
French Polynesia	2014	..	*18	..	*13	..	*5	*17
	2015	..	*19	..	*14	..	*5	*18
	2016	..	*15	..	*11	..	*4	*14
	2017	..	*15	..	*11	..	*4	*15
Kiribati	2014	..	1	..	0	..	1	5
	2015	..	*1	..	0	..	*1	*5
	2016	..	1	..	0	..	1	5
	2017	..	*1	..	0	..	*1	*5
Marshall Islands	2014	..	*2	..	*2	..	0	0
	2015	..	*2	..	*2	..	0	0
	2016	..	*2	..	*2	..	0	0
	2017	..	*2	..	*2	..	0	0

Production, trade and supply of jet fuels

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Micronesia (Fed. States of)	2014	..	*6	..	*6	..	*1	*7
	2015	..	7	..	7	..	1	6
	2016	..	*7	..	*6	..	*1	*13
	2017	..	*7	..	*6	..	*1	*11
Nauru	2014	..	*3	..	*3	..	0	0
	2015	..	*4	..	*4	..	0	0
	2016	..	5	..	*5	..	0	0
	2017	..	4	..	*4	..	0	0
New Caledonia	2014	..	26	..	25	-3	4	14
	2015	..	33	..	24	4	5	19
	2016	..	31	..	25	1	5	17
	2017	..	31	..	26	-1	6	22
New Zealand	2014	968	150	0	791	-7	334	73
	2015	1,069	68	0	791	6	340	74
	2016	1,159	211	0	1,049	2	319	68
	2017	1,221	275	..	1,161	-15	350	74
Niue	2014	..	1	..	0	..	0	15
	2015	..	1	..	0	..	0	15
	2016	..	*1	..	*1	..	0	*20
	2017	..	*1	..	0	..	0	*15
Palau	2014	..	*17	..	*17	..	0	0
	2015	..	*15	..	*15	..	0	0
	2016	..	*14	..	*14	..	0	0
	2017	..	*15	..	*15	..	0	0
Papua New Guinea	2014	0	46	0	*56	0	*-10	*-1
	2015	34	77	0	*63	0	48	6
	2016	106	63	0	*63	0	106	13
	2017	*98	*56	..	*64	..	*91	*11
Solomon Islands	2014	..	6	..	*4	..	1	2
	2015	..	5	..	*4	..	1	2
	2016	..	*5	..	*4	..	*1	*1
	2017	..	*5	..	*4	..	*1	*1
Tonga	2014	..	5	..	*4	*1	0	1
	2015	..	5	..	*5	0	0	1
	2016	..	3	..	*3	0	0	1
	2017	..	5	..	5	0	0	1
Vanuatu	2014	..	*7	..	*7	..	0	0
	2015	..	*7	..	*7	..	0	0
	2016	..	*7	..	*7	..	0	0
	2017	..	*7	..	*7	..	0	0
Wallis and Futuna Is.	2014	..	*1	..	1	..	0	0
	2015	..	*1	..	1	..	0	0
	2016	..	*1	..	1	..	0	0
	2017	..	*1	..	1	..	0	0

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Table Notes

Production includes output from refineries and plants, together with quantities from other sources which include any blended biodiesel.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 57: Production of gas oil/diesel oil by region, 1990-2017

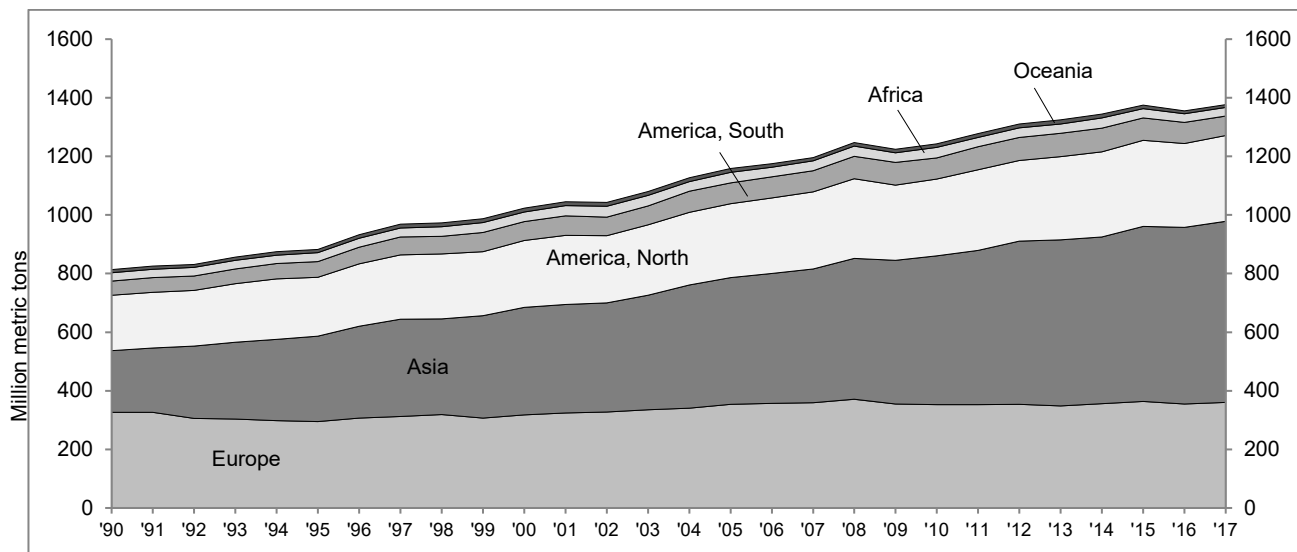


Figure 58: Major gas oil/diesel oil producing countries, 2017

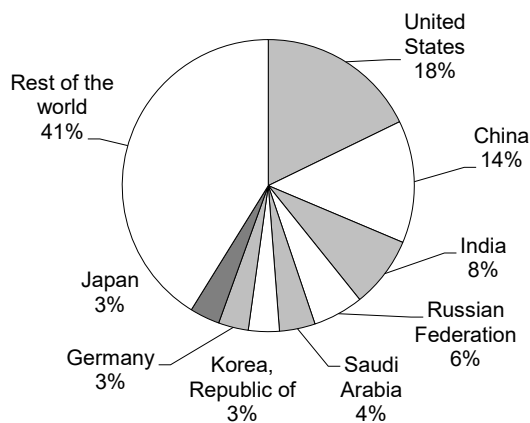


Figure 59: Major gas oil/diesel oil consuming countries, 2017

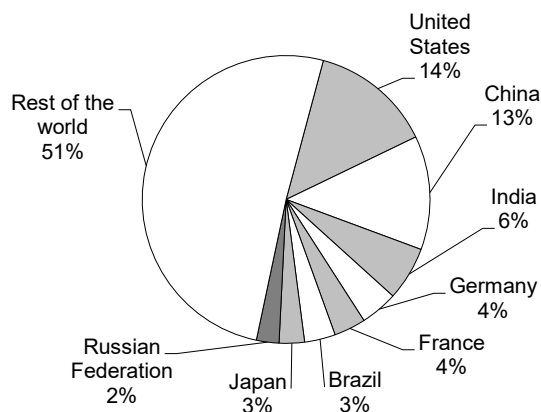


Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
World	2014	1,341,534	363,807	361,473	24,539	2,632	1,316,698	181
	2015	1,375,240	375,177	384,763	32,563	12,021	1,321,070	179
	2016	1,355,917	394,275	416,550	31,876	1,915	1,299,851	174
	2017	1,377,132	394,942	424,162	33,027	-7,702	1,322,586	175
Africa	2014	34,479	53,876	9,237	2,424	219	76,476	66
	2015	32,004	54,347	5,372	2,441	6	78,533	66
	2016	29,900	51,901	4,202	2,443	-282	75,437	62
	2017	29,464	52,860	3,289	1,712	-314	77,636	62
Algeria	2014	9,027	1,088	..	56	162	9,897	253
	2015	8,826	1,737	..	60	162	10,341	259
	2016	8,892	1,459	..	57	100	10,194	251
	2017	8,537	1,413	..	64	-186	10,072	244
Angola	2014	532	3,579	32	..	..	4,079	152
	2015	507	3,520	31	..	..	3,996	143
	2016	441	3,526	30	..	..	3,937	137
	2017	607	2,893	28	..	..	3,472	117
Benin	2014	..	642	..	..	..	642	62
	2015	..	779	..	..	-26	805	76
	2016	..	691	..	..	34	657	60
	2017	..	760	..	..	-1	761	68
Botswana	2014	..	566	..	..	..	566	261
	2015	..	478	..	..	..	478	216
	2016	..	459	..	..	..	459	204
	2017	..	444	..	..	..	444	194
Burkina Faso	2014	..	454	..	..	*-25	479	27
	2015	..	527	..	..	*-7	534	29
	2016	..	418	..	..	-145	564	30
	2017	..	522	..	..	-68	590	31
Burundi	2014	..	*44	..	..	0	*45	*5
	2015	..	*49	..	..	-1	*50	*5
	2016	..	*56	..	..	0	*56	*5
	2017	..	*66	..	..	..	*66	*6
Cabo Verde	2014	..	99	..	31	..	68	129
	2015	..	*97	..	*31	..	*66	*125
	2016	..	*111	..	*35	..	*76	*141
	2017	..	*119	..	37	..	*82	*149
Cameroon	2014	535	373	135	48	..	725	33
	2015	578	292	134	..	..	736	32
	2016	572	300	138	..	..	734	31
	2017	471	308	142	..	..	637	26
Central African Rep.	2014	..	*32	..	..	..	*32	*7
	2015	..	*32	..	..	..	*32	*7
	2016	..	*33	..	..	..	*33	*7
	2017	..	*33	..	..	..	*33	*7
Chad	2014	*333	..	*133	..	..	*200	*15
	2015	*333	..	*130	..	..	*203	*14
	2016	*291	..	*84	..	..	*207	*14
	2017	*291	..	*84	..	..	*207	*14
Comoros	2014	..	*28	..	..	..	*28	*37
	2015	..	*32	..	..	..	*32	*41
	2016	..	*40	..	..	..	*40	*50
	2017	..	*48	..	..	..	*48	*60

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Congo	2014	270	189	..	..	..	459	94
	2015	219	204	..	..	..	423	85
	2016	168	176	..	..	..	344	67
	2017	214	76	..	..	..	290	55
Côte d'Ivoire	2014	1,192	..	319	32	..	841	37
	2015	1,169	..	204	66	-39	938	41
	2016	1,237	..	226	72	0	939	40
	2017	*1,222	..	180	69	..	*973	*40
Dem. Rep. of the Congo	2014	..	910	..	..	..	910	12
	2015	..	538	..	..	..	538	7
	2016	..	362	..	..	..	362	5
	2017	..	419	..	..	..	419	5
Djibouti	2014	..	75	..	*10	*12	54	59
	2015	..	79	..	*10	*7	76	82
	2016	..	85	..	*10	*9	66	70
	2017	..	80	..	*10	*11	59	61
Egypt	2014	7,630	6,126	..	50	..	13,706	149
	2015	7,885	6,859	..	42	..	14,702	157
	2016	7,183	7,591	..	31	..	14,743	154
	2017	7,403	7,468	..	30	..	14,841	152
Equatorial Guinea	2014	..	*168	..	..	..	*168	*149
	2015	..	*171	..	..	..	*171	*145
	2016	..	*174	..	..	..	*174	*142
	2017	..	*181	..	..	..	*181	*143
Eritrea	2014	..	81	..	..	..	81	24
	2015	..	83	..	..	..	83	25
	2016	..	85	..	..	..	85	25
	2017	..	90	..	..	..	90	26
Eswatini	2014	..	120	..	..	..	120	110
	2015	..	122	..	..	..	122	111
	2016	..	141	..	..	..	141	127
	2017	..	142	..	..	..	142	127
Ethiopia	2014	..	1,703	..	..	-25	1,728	18
	2015	..	1,931	..	..	18	1,913	19
	2016	..	2,235	..	..	-4	2,239	22
	2017	..	2,464	..	..	..	2,464	23
Gabon	2014	223	446	6	71	..	592	316
	2015	221	435	6	75	..	575	298
	2016	222	433	6	74	..	575	290
	2017	222	424	6	64	..	576	284
Gambia	2014	..	73	*1	..	..	72	37
	2015	..	*75	*1	..	..	*74	*37
	2016	..	*76	*1	..	..	*75	*37
	2017	..	*77	*1	..	..	*76	*36
Ghana	2014	28	1,742	0	11	65	1,695	63
	2015	28	2,161	0	10	0	2,179	79
	2016	255	1,720	170	2	0	1,802	64
	2017	6	1,781	190	89	14	1,494	52
Guinea	2014	..	318	..	..	..	318	27
	2015	..	430	..	..	..	430	36
	2016	..	404	..	..	..	404	33
	2017	..	*450	..	..	..	*450	*35

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Guinea-Bissau	2014	..	*44	..	..	..	*44	*26
	2015	..	*45	..	..	..	*45	*26
	2016	..	*48	..	..	..	*48	*26
	2017	..	*48	..	..	..	*48	*26
Kenya	2014	0	8,289	6,569	12	..	1,708	37
	2015	0	4,746	2,670	0	..	2,076	44
	2016	0	3,255	1,025	0	..	2,229	46
	2017	0	2,853	767	..	..	2,086	42
Lesotho	2014	..	79	..	..	..	79	37
	2015	..	85	..	..	..	85	39
	2016	..	88	..	..	..	88	40
	2017	..	94	..	..	..	94	42
Liberia	2014	..	200	..	*5	..	195	44
	2015	..	203	..	*7	..	196	44
	2016	..	*263	..	*9	..	*254	*55
	2017	..	*230	..	*5	..	*225	*48
Libya	2014	1,278	4,218	..	..	..	5,496	886
	2015	1,003	3,215	..	..	..	4,218	677
	2016	917	2,161	..	..	..	3,078	489
	2017	1,332	2,044	..	..	..	3,376	530
Madagascar	2014	..	448	..	..	..	448	19
	2015	..	561	..	..	..	561	23
	2016	..	509	..	..	..	509	20
	2017	..	469	..	..	..	469	18
Malawi	2014	..	139	..	..	..	139	8
	2015	..	145	..	..	..	145	8
	2016	..	166	..	..	..	166	9
	2017	..	197	..	..	..	197	11
Mali	2014	..	*540	..	..	..	*540	*32
	2015	..	*602	..	..	..	*602	*34
	2016	..	*602	..	..	..	*602	*33
	2017	..	*605	..	..	..	*605	*33
Mauritania	2014	..	510	..	..	..	510	125
	2015	..	*606	..	..	..	*606	*145
	2016	..	*579	..	..	..	*579	*135
	2017	..	784	..	..	..	784	177
Mauritius	2014	..	304	..	117	*-19	206	164
	2015	..	319	..	116	-5	208	165
	2016	..	339	..	120	11	208	165
	2017	..	347	..	129	6	212	168
Morocco	2014	2,275	2,990	9	23	59	5,174	149
	2015	1,139	4,112	0	23	-108	5,336	151
	2016	0	5,536	1	23	-131	5,643	158
	2017	..	5,771	..	23	-118	5,866	162
Mozambique	2014	..	1,327	..	..	20	1,307	48
	2015	..	750	..	..	-20	770	27
	2016	..	1,282	..	..	18	1,264	44
	2017	..	1,467	..	..	18	1,449	49
Namibia	2014	..	726	..	..	..	726	306
	2015	..	773	..	..	..	773	319
	2016	..	807	..	..	..	807	325
	2017	..	819	..	..	..	819	323

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Niger	2014	452	10	*159	..	*22	282	15
	2015	348	32	*153	..	*18	209	10
	2016	352	11	202	..	*-92	252	12
	2017	*520	20	*253	..	*21	*265	*12
Nigeria	2014	647	3,253	..	117	..	3,783	21
	2015	294	3,781	..	116	..	3,959	22
	2016	685	3,833	..	97	..	4,421	24
	2017	900	3,651	..	98	..	4,453	23
Rwanda	2014	..	139	..	..	..	139	12
	2015	..	142	..	..	..	142	12
	2016	..	139	..	..	..	139	12
	2017	..	139	..	..	..	139	11
Sao Tome and Principe	2014	..	*24	..	..	..	*24	*123
	2015	..	*24	..	..	..	*24	*125
	2016	..	*25	..	..	..	*25	*127
	2017	..	*27	..	..	..	*27	*130
Senegal	2014	352	1,107	575	86	-23	821	56
	2015	553	1,175	634	118	-6	982	66
	2016	629	1,056	676	134	-63	938	61
	2017	679	142	84	113	0	624	39
Seychelles	2014	..	209	..	*150	..	59	629
	2015	..	205	..	*152	..	53	560
	2016	..	237	..	*153	..	84	889
	2017	..	223	..	161	..	63	661
Sierra Leone	2014	..	224	..	..	..	224	32
	2015	..	*178	..	..	..	*178	*25
	2016	..	*183	..	..	..	*183	*25
	2017	..	*185	..	..	..	*185	*24
Somalia	2014	..	*121	..	*15	..	*106	*8
	2015	..	*121	..	*15	..	*106	*8
	2016	..	*126	..	16	..	*110	*8
	2017	..	*126	..	*16	..	*110	*7
South Africa	2014	6,969	4,347	1,299	1,534	..	8,483	156
	2015	6,233	5,612	1,409	1,554	..	8,882	161
	2016	5,404	3,849	1,642	1,563	..	6,048	108
	2017	4,676	5,251	1,553	751	..	7,623	134
South Sudan	2014	..	410	..	..	..	410	39
	2015	..	479	..	..	..	479	45
	2016	..	417	..	..	..	417	38
	2017	..	350	..	..	..	350	32
St. Helena and Depend.	2014	..	*3	..	..	..	*3	*488
	2015	..	*3	..	..	..	*3	*426
	2016	..	*2	..	..	..	*2	*403
	2017	..	*3	..	..	..	*3	*433
Sudan	2014	1,736	1,251	0	24	..	2,963	79
	2015	1,839	1,310	..	25	..	3,124	81
	2016	1,960	1,199	..	26	..	3,134	79
	2017	1,797	1,612	..	27	..	3,382	83
Togo	2014	..	277	..	17	-12	272	38
	2015	..	285	..	18	-32	299	40
	2016	..	329	..	19	..	310	41
	2017	..	344	..	20	..	324	42

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Tunisia	2014	634	1,151	..	15	-16	1,786	160
	2015	492	1,454	..	3	59	1,884	167
	2016	439	1,505	..	2	-19	1,961	172
	2017	314	1,731	..	7	-11	2,049	178
Uganda	2014	..	633	..	..	..	633	16
	2015	..	703	..	..	..	703	18
	2016	..	746	..	..	..	746	18
	2017	..	823	..	..	..	823	19
United Rep. of Tanzania	2014	..	1,139	..	..	..	1,139	22
	2015	..	1,180	..	..	..	1,180	22
	2016	..	1,185	..	..	..	1,185	21
	2017	..	1,271	..	..	..	1,271	22
Zambia	2014	367	91	..	..	..	458	29
	2015	337	135	..	..	..	472	29
	2016	253	231	..	..	..	484	29
	2017	272	337	..	..	..	609	36
Zimbabwe	2014	..	817	..	..	..	817	60
	2015	..	736	..	..	..	736	53
	2016	..	619	..	..	..	619	44
	2017	..	642	..	..	..	642	45
America, North	2014	290,492	28,567	63,272	6,571	885	248,331	439
	2015	293,933	30,808	67,446	9,113	2,892	245,290	430
	2016	286,016	30,656	68,245	8,204	79	240,144	417
	2017	293,074	33,704	77,587	10,078	-3,313	242,426	417
Anguilla	2014	..	*32	..	..	..	*32	*2,227
	2015	..	*34	..	..	..	*34	*2,354
	2016	..	*34	..	..	..	*34	*2,330
	2017	..	*31	..	..	..	*31	*2,079
Antigua and Barbuda	2014	..	*64	*1	..	..	*63	*637
	2015	..	*66	*1	..	..	*65	*651
	2016	..	*67	*1	..	..	*66	*654
	2017	..	*67	*1	..	..	*66	*647
Aruba	2014	..	*22	..	..	..	*22	*214
	2015	..	*23	..	..	..	*23	*218
	2016	..	*23	..	..	..	*23	*217
	2017	..	*24	..	..	..	*24	*223
Bahamas	2014	..	409	..	*21	*-100	488	1,278
	2015	..	*272	..	*21	*-225	*476	*1,230
	2016	..	160	..	*21	*-300	*439	*1,123
	2017	..	334	..	*21	*-125	438	1,109
Barbados	2014	..	76	..	..	-2	78	277
	2015	..	67	..	..	0	67	234
	2016	..	68	..	..	0	68	238
	2017	..	73	..	..	-1	74	258
Belize	2014	..	75	..	..	..	75	212
	2015	..	87	..	..	..	87	242
	2016	..	84	..	..	..	84	229
	2017	..	78	..	..	..	78	207
Bermuda	2014	..	84	..	..	*25	59	945
	2015	..	23	..	..	*-8	31	508
	2016	..	24	..	..	-10	34	549
	2017	..	70	..	..	*15	55	897

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Bonaire, St Eustatius, Saba	2014	..	*66	..	*26	..	*40	*1,670
	2015	..	*67	..	*27	..	*41	*1,661
	2016	..	*68	..	*26	..	*42	*1,679
	2017	..	*69	..	*27	..	*43	*1,673
British Virgin Islands	2014	..	*50	..	..	..	*50	*1,690
	2015	..	*50	..	..	..	*50	*1,660
	2016	..	*50	..	..	..	*50	*1,631
	2017	..	*40	..	..	..	*40	*1,292
Canada	2014	30,463	1,490	6,375	30	210	25,338	712
	2015	30,535	1,905	6,725	79	-324	25,960	722
	2016	30,140	2,014	6,637	88	-273	25,702	708
	2017	32,869	1,079	7,590	87	157	26,114	713
Cayman Islands	2014	..	135	..	..	..	135	2,281
	2015	..	137	..	..	..	137	2,285
	2016	..	135	..	..	..	135	2,222
	2017	..	142	..	..	..	142	2,307
Costa Rica	2014	..	972	..	..	-3	975	205
	2015	..	986	..	..	41	945	197
	2016	..	1,006	..	..	-22	1,028	212
	2017	..	1,045	..	..	15	1,030	210
Cuba	2014	1,124	950	540	*32	..	1,502	131
	2015	1,030	1,031	140	*32	..	1,889	165
	2016	558	1,277	*176	*31	..	1,629	142
	2017	714	1,378	*356	*29	..	1,707	149
Curaçao	2014	1,991	480	1,976	203	..	292	1,866
	2015	1,853	476	1,838	201	..	290	1,835
	2016	1,610	471	1,598	199	..	284	1,782
	2017	1,343	471	1,333	199	..	282	1,757
Dominica	2014	..	*30	..	..	*-1	*31	*419
	2015	..	*29	..	..	*-1	*30	*410
	2016	..	*30	..	..	*-1	*31	*418
	2017	..	*29	..	..	*2	*27	*368
Dominican Republic	2014	372	778	..	..	28	1,123	108
	2015	214	1,215	..	..	-17	1,446	137
	2016	316	1,193	..	..	-22	1,532	144
	2017	274	1,072	..	..	28	1,318	122
El Salvador	2014	..	557	11	..	..	546	87
	2015	..	657	0	..	..	657	104
	2016	..	678	24	..	..	654	103
	2017	..	687	19	..	..	668	105
Greenland	2014	..	129	..	16	-9	122	2,164
	2015	..	145	..	6	17	122	2,164
	2016	..	136	..	16	1	118	2,100
	2017	..	135	..	18	-2	120	2,121
Grenada	2014	..	50	..	..	1	49	462
	2015	..	49	..	..	-6	55	513
	2016	..	63	..	..	4	59	549
	2017	..	66	..	..	4	61	567
Guatemala	2014	38	1,519	85	344	-24	1,152	72
	2015	39	1,703	110	369	37	1,226	75
	2016	42	1,737	67	390	25	1,298	78
	2017	47	1,685	18	412	-18	1,321	78

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Haiti	2014	..	530	..	..	..	530	50
	2015	..	596	..	..	..	596	56
	2016	..	604	..	..	..	604	56
	2017	..	611	..	..	..	611	56
Honduras	2014	..	743	0	..	-98	841	95
	2015	..	825	1	..	-88	912	102
	2016	..	926	3	..	37	886	97
	2017	..	908	0	..	0	908	98
Jamaica	2014	143	293	..	36	12	389	136
	2015	145	294	..	34	11	394	137
	2016	130	263	..	30	-17	380	132
	2017	108	250	..	51	12	295	102
Mexico	2014	14,569	6,588	107	720	-38	20,368	164
	2015	14,059	7,288	337	762	187	20,061	159
	2016	11,580	9,291	749	798	-301	19,625	154
	2017	11,165	12,680	192	712	-185	23,126	179
Montserrat	2014	..	10	..	*1	..	9	1,746
	2015	..	12	..	*1	..	11	2,049
	2016	..	7	..	*1	..	6	1,145
	2017	..	6	..	*1	..	5	869
Nicaragua	2014	213	287	0	..	-18	518	86
	2015	191	363	2	..	-31	583	96
	2016	133	461	0	..	8	586	95
	2017	164	442	0	..	-12	618	99
Panama	2014	..	1,302	..	..	-141	1,443	370
	2015	..	967	..	..	-211	1,177	297
	2016	..	1,100	..	..	59	1,040	258
	2017	..	1,162	..	..	-204	1,366	333
Sint Maarten (Dutch part)	2014	..	*160	..	*63	..	*97	*2,565
	2015	..	*165	..	*65	..	*100	*2,583
	2016	..	*166	..	*66	..	*101	*2,544
	2017	..	*162	..	*63	..	*99	*2,458
St. Kitts-Nevis	2014	..	*56	..	..	..	*56	*1,033
	2015	..	*57	..	..	..	*57	*1,043
	2016	..	*58	..	..	..	*58	*1,060
	2017	..	*59	..	..	..	*59	*1,057
St. Lucia	2014	..	88	..	..	..	88	498
	2015	..	91	..	..	..	91	516
	2016	..	89	..	..	..	89	498
	2017	..	93	..	..	..	93	520
St. Pierre-Miquelon	2014	..	*27	..	*6	..	*21	*3,286
	2015	..	*27	..	*6	..	*21	*3,279
	2016	..	*27	..	*6	..	*21	*3,272
	2017	..	27	..	*6	..	21	3,264
St. Vincent-Grenadines	2014	..	56	..	..	..	56	510
	2015	..	36	..	..	..	36	328
	2016	..	48	..	..	..	48	441
	2017	..	*49	..	..	..	*49	*441
Trinidad and Tobago	2014	831	..	262	68	-34	535	395
	2015	1,550	..	772	201	5	572	421
	2016	2,113	..	1,279	334	7	493	361
	2017	1,468	..	771	201	-7	503	367

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Turks and Caicos Islands	2014	..	*65	..	..	..	*65	*1,927
	2015	..	*67	..	..	..	*67	*1,951
	2016	..	*70	..	..	..	*70	*1,991
	2017	..	*75	..	..	..	*75	*2,116
United States	2014	240,748	10,395	53,915	5,004	1,079	191,145	602
	2015	244,317	10,998	57,520	7,309	3,504	186,982	584
	2016	239,393	8,229	57,712	6,198	883	182,829	567
	2017	244,921	8,607	67,307	8,252	-2,993	180,962	558
America, South	2014	78,798	30,033	2,179	893	968	104,791	254
	2015	76,109	26,337	1,042	980	577	99,848	240
	2016	72,597	29,793	1,638	645	1,402	98,704	235
	2017	66,684	31,853	2,024	534	388	95,591	225
Argentina	2014	9,481	3,191	105	152	166	12,249	285
	2015	10,024	3,292	2	97	77	13,140	303
	2016	9,716	3,555	5	69	65	13,132	299
	2017	9,803	3,029	4	115	-9	12,722	287
Bolivia (Plur. State of)	2014	758	826	..	..	-9	1,593	151
	2015	849	684	..	..	0	1,533	143
	2016	790	691	..	..	-8	1,489	137
	2017	715	905	..	..	-7	1,627	147
Brazil	2014	43,570	9,799	349	465	184	52,371	256
	2015	43,297	6,031	82	585	-321	48,982	238
	2016	39,532	7,360	420	303	217	45,952	221
	2017	35,321	11,259	439	158	61	45,922	219
Chile	2014	3,177	4,909	379	0	31	7,676	436
	2015	3,031	5,229	79	0	-110	8,291	467
	2016	2,907	5,573	57	0	67	8,356	467
	2017	3,073	5,245	23	0	45	8,250	457
Colombia	2014	3,078	3,648	0	67	..	6,659	139
	2015	2,818	2,156	0	110	..	4,864	101
	2016	5,069	3,117	722	112	..	7,352	151
	2017	6,297	1,048	901	86	..	6,358	130
Ecuador	2014	1,484	3,379	..	11	-52	4,904	308
	2015	1,461	3,205	..	14	-14	4,666	289
	2016	1,907	2,443	..	16	-13	4,346	265
	2017	1,902	2,417	..	41	-11	4,289	258
Falkland Is. (Malvinas)	2014	..	7	..	..	..	7	2,423
	2015	..	7	..	..	..	7	2,559
	2016	..	7	..	..	..	7	2,554
	2017	..	7	..	..	..	7	2,528
Guyana	2014	..	289	..	..	6	283	371
	2015	..	268	..	..	-1	269	350
	2016	..	323	..	..	0	323	418
	2017	..	323	..	..	-6	329	422
Paraguay	2014	..	1,170	..	..	8	1,161	177
	2015	..	1,279	..	..	27	1,252	189
	2016	..	1,519	..	..	61	1,458	217
	2017	..	1,551	..	..	-59	1,610	236
Peru	2014	4,337	2,397	130	..	1,322	5,282	171
	2015	4,091	2,681	156	..	935	5,681	181
	2016	3,786	3,596	370	..	1,054	5,958	188
	2017	3,569	3,793	536	..	354	6,472	201

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Suriname	2014	31	219	6	4	..	241	439
	2015	20	245	4	1	..	261	471
	2016	200	220	65	16	..	338	606
	2017	284	225	121	7	..	380	675
Uruguay	2014	800	198	0	109	29	861	252
	2015	795	249	0	93	-17	968	282
	2016	813	76	0	62	-41	868	252
	2017	237	698	0	69	19	847	245
Venezuela (Bolivar. Rep.)	2014	12,082	..	1,210	85	-717	11,504	374
	2015	9,724	1,010	719	80	0	9,935	319
	2016	7,878	1,313	0	67	0	9,124	289
	2017	5,484	1,353	0	58	0	6,779	212
Asia	2014	569,278	107,042	136,900	5,340	336	533,746	122
	2015	597,477	104,270	154,082	6,990	2,204	538,471	122
	2016	602,698	110,313	178,781	7,675	-257	526,812	118
	2017	618,130	107,213	179,274	8,356	409	537,304	119
Afghanistan	2014	..	456	..	..	..	456	14
	2015	..	609	..	..	..	609	18
	2016	..	485	..	..	..	485	14
	2017	..	*338	..	..	..	*338	*10
Armenia	2014	..	143	0	..	..	143	49
	2015	..	122	0	..	..	121	42
	2016	..	119	0	..	..	119	41
	2017	..	135	0	..	..	135	46
Azerbaijan	2014	2,946	1	1,523	74	32	1,318	139
	2015	2,804	12	1,655	50	-52	1,163	121
	2016	2,315	4	1,228	48	6	1,037	107
	2017	1,849	1	603	44	-29	1,232	125
Bahrain	2014	4,083	..	3,900	..	-123	306	229
	2015	4,210	..	3,885	..	-8	333	243
	2016	3,997	..	3,484	..	157	356	250
	2017	4,184	..	3,945	..	-141	380	255
Bangladesh	2014	427	2,904	..	..	88	3,243	20
	2015	462	2,975	..	..	41	3,396	21
	2016	380	3,130	..	..	-96	3,606	22
	2017	452	3,716	..	..	..	4,168	25
Bhutan	2014	..	106	..	..	..	106	136
	2015	..	110	..	..	..	110	140
	2016	..	117	..	..	..	117	146
	2017	..	126	..	..	..	126	156
Brunei Darussalam	2014	113	179	9	0	6	277	673
	2015	141	168	0	9	6	294	704
	2016	114	156	0	0	-5	275	650
	2017	104	189	..	..	2	291	679
Cambodia	2014	..	1,005	..	..	..	1,005	66
	2015	..	1,073	..	..	..	1,073	69
	2016	..	1,239	..	..	..	1,239	79
	2017	..	1,248	..	..	..	1,248	78
China	2014	176,353	474	4,105	211	937	171,575	123
	2015	180,079	428	7,163	437	-55	172,963	124
	2016	179,177	916	15,403	412	-2,883	167,161	119
	2017	186,679	747	17,193	504	442	169,288	120

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
China, Hong Kong SAR	2014	..	3,279	94	1,437	-160	1,908	265
	2015	..	5,105	293	2,000	576	2,236	309
	2016	..	5,540	95	2,593	411	2,441	334
	2017	..	5,970	110	2,916	178	2,766	376
China, Macao SAR	2014	..	171	..	66	0	105	178
	2015	..	189	..	68	8	113	188
	2016	..	177	..	73	3	101	165
	2017	..	167	..	66	4	97	156
Cyprus	2014	..	549	..	80	6	463	402
	2015	..	562	..	75	38	449	387
	2016	..	616	..	95	-10	531	454
	2017	..	786	..	101	9	676	573
Georgia	2014	..	530	0	..	10	519	130
	2015	5	597	1	..	-4	605	153
	2016	9	658	0	..	16	651	166
	2017	10	575	11	..	-14	588	150
India	2014	95,914	191	*25,565	..	..	70,540	55
	2015	98,643	180	24,035	..	..	74,788	57
	2016	103,147	996	27,452	..	..	76,691	58
	2017	108,466	1,353	29,676	..	..	80,143	60
Indonesia	2014	16,246	9,739	1	164	..	25,820	101
	2015	16,159	6,893	0	139	..	22,913	89
	2016	16,186	4,807	94	192	..	20,707	79
	2017	16,723	5,681	127	186	..	22,091	84
Iran (Islamic Rep. of)	2014	30,501	267	9	131	..	30,628	391
	2015	29,387	0	1,752	260	..	27,375	345
	2016	27,614	0	3,404	226	..	23,984	299
	2017	28,274	0	2,019	251	..	26,004	320
Iraq	2014	5,099	11,229	..	..	..	16,328	466
	2015	3,539	9,926	..	..	..	13,465	373
	2016	3,287	13,328	..	..	..	16,615	447
	2017	4,012	13,189	..	..	..	17,201	449
Israel	2014	5,382	149	2,953	41	109	2,428	306
	2015	5,187	206	2,693	34	-16	2,682	333
	2016	4,411	279	1,943	28	-32	2,751	336
	2017	4,517	321	2,014	42	10	2,772	333
Japan	2014	45,684	570	7,650	96	233	38,275	299
	2015	45,838	507	8,670	155	-284	37,804	295
	2016	45,595	399	8,138	188	197	37,471	293
	2017	45,633	516	8,502	169	-136	37,614	295
Jordan	2014	931	2,373	..	2	26	3,276	372
	2015	1,050	1,112	..	4	15	2,143	234
	2016	901	960	..	2	6	1,853	196
	2017	845	1,049	..	4	39	1,852	191
Kazakhstan	2014	5,282	618	1,765	0	324	3,811	218
	2015	4,487	165	168	0	-351	4,835	272
	2016	4,652	434	55	1	-46	5,076	282
	2017	4,352	474	112	0	-183	4,897	269
Korea, Dem.Ppl's.Rep.	2014	191	44	..	..	..	235	9
	2015	191	61	..	..	..	252	10
	2016	191	71	..	..	..	262	10
	2017	191	59	..	..	..	250	10

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Korea, Republic of	2014	42,480	831	23,345	885	-505	19,586	389
	2015	45,512	285	23,090	1,282	656	20,769	411
	2016	46,320	267	23,482	1,204	-287	22,188	437
	2017	47,108	271	23,561	1,288	-111	22,641	444
Kuwait	2014	10,806	..	6,971	106	..	3,729	986
	2015	10,294	..	6,787	101	..	3,406	865
	2016	9,425	..	6,239	92	..	3,094	763
	2017	8,397	..	5,162	82	..	3,153	762
Kyrgyzstan	2014	30	509	8	..	28	503	87
	2015	56	515	0	..	30	541	92
	2016	106	347	0	..	-28	481	81
	2017	89	541	2	..	9	619	102
Lao People's Dem. Rep.	2014	..	600	..	..	..	600	91
	2015	..	739	..	..	..	739	111
	2016	..	*750	..	..	..	*750	*111
	2017	..	*776	..	..	..	*776	*113
Lebanon	2014	..	3,252	..	..	..	3,252	519
	2015	..	3,671	..	..	..	3,671	562
	2016	..	3,701	..	..	..	3,701	551
	2017	..	3,738	..	..	..	3,738	548
Malaysia	2014	9,575	5,834	5,158	2	-258	10,507	348
	2015	9,737	4,488	5,301	2	-483	9,405	306
	2016	9,833	3,836	4,731	1	-100	9,037	290
	2017	9,725	5,087	5,054	91	-64	9,731	308
Maldives	2014	..	386	..	*50	..	336	772
	2015	..	390	..	*45	..	345	758
	2016	..	445	..	*45	..	400	841
	2017	..	448	..	*45	..	403	811
Mongolia	2014	..	686	..	..	..	686	235
	2015	..	655	..	..	..	655	220
	2016	..	548	..	..	..	548	181
	2017	..	805	..	..	..	805	262
Myanmar	2014	161	2,226	..	0	495	1,892	36
	2015	161	2,227	..	2	495	1,891	36
	2016	150	2,869	..	..	178	2,841	54
	2017	151	2,095	..	..	82	2,164	41
Nepal	2014	..	922	..	..	..	922	33
	2015	..	619	..	..	..	619	22
	2016	..	1,091	..	..	..	1,091	38
	2017	..	1,313	..	..	..	1,313	45
Oman	2014	2,633	0	153	..	..	2,480	626
	2015	2,963	0	436	..	..	2,527	602
	2016	2,922	10	603	..	..	2,329	526
	2017	3,331	228	696	..	..	2,863	618
Other Asia	2014	14,140	0	9,811	109	-187	4,407	188
	2015	13,865	73	8,997	91	133	4,717	201
	2016	13,641	0	8,895	92	-77	4,731	201
	2017	13,339	39	8,252	98	142	4,886	207
Pakistan	2014	4,686	3,516	0	5	327	7,870	42
	2015	4,587	3,495	..	5	295	7,782	41
	2016	4,783	4,739	..	9	207	9,306	48
	2017	5,501	4,486	..	6	72	9,909	50

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Philippines	2014	3,058	4,197	0	24	37	7,194	72
	2015	4,008	3,925	0	10	58	7,864	77
	2016	4,030	4,889	0	6	152	8,760	85
	2017	3,840	5,547	0	11	105	9,271	88
Qatar	2014	2,201	12	4,319	..	46	-2,152	-906
	2015	2,091	602	4,119	..	570	-1,996	-804
	2016	2,081	540	3,720	..	1,185	-2,284	-889
	2017	1,973	115	3,271	..	-949	-234	-89
Saudi Arabia	2014	36,842	11,474	11,758	..	-297	36,855	1,197
	2015	48,637	12,603	20,231	..	385	40,623	1,287
	2016	53,224	11,101	29,046	..	208	35,070	1,087
	2017	54,513	4,510	30,545	..	-189	28,667	870
Singapore	2014	10,605	13,946	22,083	1,313	18	1,137	209
	2015	12,829	14,419	22,812	1,722	18	2,697	487
	2016	12,199	15,478	24,855	1,991	233	597	106
	2017	10,967	14,321	25,422	2,021	141	-2,296	-402
Sri Lanka	2014	496	1,394	..	0	-129	2,020	98
	2015	517	1,289	..	0	-256	2,061	100
	2016	583	1,574	..	0	-243	2,401	115
	2017	506	1,763	..	..	-95	2,364	113
State of Palestine	2014	..	520	..	..	-44	564	124
	2015	..	590	..	..	0	590	126
	2016	..	639	..	..	0	639	133
	2017	..	636	..	..	..	636	129
Syrian Arab Republic	2014	1,701	909	..	220	..	2,390	124
	2015	1,701	789	..	170	..	2,320	124
	2016	1,898	613	..	153	..	2,358	128
	2017	1,831	20	..	132	..	1,719	94
Tajikistan	2014	4	244	..	..	..	248	30
	2015	3	227	..	..	..	229	27
	2016	5	205	..	..	..	210	24
	2017	10	183	..	..	..	193	22
Thailand	2014	20,709	300	3,714	..	-853	18,148	265
	2015	23,351	103	5,308	..	341	17,805	259
	2016	22,110	713	4,138	..	236	18,449	268
	2017	23,150	700	4,513	..	515	18,822	273
Timor-Leste	2014	..	*144	..	..	..	*144	*119
	2015	..	*141	..	..	..	*141	*114
	2016	..	*139	..	..	..	*139	*109
	2017	..	*141	..	..	..	*141	*109
Turkey	2014	6,266	12,959	55	102	179	18,889	245
	2015	8,721	12,516	73	112	60	20,992	268
	2016	9,725	12,861	72	81	227	22,206	279
	2017	10,545	14,373	233	72	176	24,437	303
Turkmenistan	2014	2,770	..	690	..	..	2,080	381
	2015	2,770	..	690	..	..	2,080	374
	2016	2,770	..	690	..	..	2,080	367
	2017	2,770	..	690	..	..	2,080	361
United Arab Emirates	2014	6,246	479	718	148	..	5,859	646
	2015	9,194	2,350	5,455	155	..	5,934	648
	2016	10,865	684	9,561	89	..	1,899	205
	2017	10,427	204	7,015	177	451	2,988	318

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Uzbekistan	2014	*1,007	411	22	..	..	*1,396	*46
	2015	*982	668	2	..	..	*1,648	*53
	2016	1,008	614	2	..	..	1,620	52
	2017	963	527	19	..	..	1,471	46
Viet Nam	2014	2,892	4,089	522	..	-9	6,468	70
	2015	3,068	5,213	466	..	-11	7,826	84
	2016	2,855	6,716	1,451	..	127	7,993	85
	2017	2,481	7,223	527	..	-56	9,233	97
Yemen	2014	818	2,226	..	74	..	2,970	113
	2015	250	680	..	62	..	868	32
	2016	189	514	..	54	..	649	24
	2017	223	483	..	51	..	655	23
Europe	2014	355,548	130,795	149,829	9,132	566	326,817	440
	2015	363,658	144,415	156,737	12,810	6,107	332,419	447
	2016	354,630	154,183	163,640	12,706	750	331,717	446
	2017	359,986	151,434	161,867	12,149	-4,616	342,019	459
Albania	2014	89	980	53	20	215	782	268
	2015	56	785	56	20	20	745	255
	2016	18	743	4	34	16	707	242
	2017	158	723	19	36	16	810	277
Andorra	2014	..	130	..	..	..	130	1,641
	2015	..	131	..	..	..	131	1,677
	2016	..	132	..	..	..	132	1,711
	2017	..	131	..	..	..	131	1,708
Austria	2014	3,982	4,466	1,012	20	-53	7,469	865
	2015	4,096	4,541	892	20	19	7,706	888
	2016	3,802	5,057	841	21	116	7,881	905
	2017	3,981	5,107	964	21	-61	8,164	935
Belarus	2014	8,157	22	5,160	..	84	2,935	309
	2015	8,554	176	6,217	..	-53	2,566	271
	2016	6,768	693	4,850	..	-19	2,630	277
	2017	6,563	790	4,303	..	202	2,848	301
Belgium	2014	13,791	9,782	11,768	600	184	11,021	982
	2015	13,669	10,737	10,783	1,510	846	11,267	998
	2016	12,751	11,119	11,659	1,438	-313	11,086	976
	2017	13,267	10,629	12,310	1,053	-827	11,360	994
Bosnia and Herzegovina	2014	431	541	13	..	24	935	262
	2015	410	597	3	..	17	987	279
	2016	381	795	1	..	18	1,157	329
	2017	366	807	11	..	12	1,150	328
Bulgaria	2014	1,970	919	842	56	-47	2,038	282
	2015	2,202	995	927	66	85	2,119	295
	2016	2,745	961	1,382	59	105	2,160	303
	2017	3,032	1,035	1,769	57	-17	2,258	319
Croatia	2014	1,063	1,020	526	2	-32	1,587	373
	2015	1,250	1,104	597	2	46	1,709	403
	2016	1,434	1,008	675	3	3	1,761	418
	2017	1,492	1,414	939	4	34	1,929	460
Czechia	2014	3,568	1,786	879	..	103	4,372	413
	2015	3,451	2,212	1,093	..	1	4,569	431
	2016	2,757	2,861	857	..	-12	4,773	450
	2017	3,679	2,087	898	..	-46	4,914	463

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Denmark	2014	4,386	2,634	1,671	299	273	4,777	843
	2015	4,559	3,716	2,573	435	437	4,830	849
	2016	4,966	3,749	2,816	411	-20	5,508	964
	2017	4,606	2,752	2,271	390	-331	5,028	877
Estonia	2014	..	691	9	50	-9	641	486
	2015	..	744	7	92	-9	654	497
	2016	..	799	4	111	33	651	496
	2017	..	787	..	112	32	643	491
Faeroe Islands	2014	..	*130	..	6	..	*124	*2,529
	2015	..	*136	..	6	..	*130	*2,664
	2016	..	*149	..	16	..	*133	*2,708
	2017	..	*168	..	16	..	*152	*3,080
Finland	2014	6,309	2,159	3,638	33	-49	4,846	888
	2015	5,710	1,791	2,910	44	85	4,462	814
	2016	6,395	1,923	3,813	41	-43	4,507	819
	2017	6,606	1,782	3,739	70	-261	4,840	876
France	2014	27,644	23,553	1,818	96	271	49,012	738
	2015	28,457	24,763	2,792	131	460	49,837	747
	2016	27,901	22,423	2,064	106	242	47,912	715
	2017	27,905	21,877	2,592	110	-140	47,220	702
Germany	2014	44,270	16,871	7,694	490	-650	53,607	658
	2015	45,746	18,442	8,438	1,016	375	54,359	665
	2016	46,100	19,238	9,511	999	449	54,379	664
	2017	45,709	19,456	9,022	862	-255	55,536	676
Gibraltar	2014	..	499	..	407	..	92	2,703
	2015	..	516	..	416	..	100	2,922
	2016	..	531	..	423	..	108	3,139
	2017	..	589	..	471	..	118	3,413
Greece	2014	9,696	936	6,592	264	-318	4,094	363
	2015	10,554	998	6,563	305	177	4,507	402
	2016	10,892	1,133	7,363	309	-127	4,480	401
	2017	10,992	1,151	7,127	340	189	4,487	402
Hungary	2014	3,647	1,421	1,576	..	3	3,489	356
	2015	3,162	1,487	1,150	..	168	3,331	340
	2016	3,114	1,543	1,231	..	137	3,289	337
	2017	3,171	1,671	1,414	..	-20	3,448	355
Iceland	2014	2	288	..	15	-16	291	886
	2015	12	342	..	34	8	312	945
	2016	11	341	..	34	0	318	956
	2017	13	347	..	30	-9	339	1,012
Ireland	2014	1,087	2,227	17	107	-8	3,198	682
	2015	1,362	2,281	60	144	27	3,412	726
	2016	1,264	2,669	114	138	-36	3,717	786
	2017	1,302	2,844	187	133	61	3,765	791
Italy	2014	30,682	3,168	5,498	114	448	27,790	466
	2015	33,288	3,010	8,923	227	13	27,135	456
	2016	31,806	4,412	9,324	268	-91	26,717	449
	2017	30,685	5,037	10,188	282	-232	25,484	429
Kosovo	2014	0	328	..	..	..	328	180
	2015	0	385	..	..	..	385	214
	2016	0	424	..	..	..	424	233
	2017	..	462	..	..	..	462	252

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Latvia	2014	20	1,449	589	69	-97	908	450
	2015	19	1,884	741	123	73	966	485
	2016	5	1,874	591	164	167	957	486
	2017	3	1,712	528	136	21	1,030	528
Lithuania	2014	2,598	1,010	2,999	8	-3	604	204
	2015	2,975	1,621	3,957	40	20	579	197
	2016	3,172	1,162	3,578	67	5	684	235
	2017	3,392	666	3,132	73	-15	868	300
Luxembourg	2014	..	1,970	0	..	8	1,962	3,527
	2015	..	1,890	1	..	-8	1,897	3,347
	2016	..	1,852	1	..	-4	1,855	3,222
	2017	..	1,917	1	..	-7	1,923	3,296
Malta	2014	..	406	25	185	1	195	458
	2015	..	731	317	259	-10	165	386
	2016	..	677	249	262	14	152	354
	2017	..	630	69	314	88	159	369
Montenegro	2014	..	177	0	..	7	170	271
	2015	..	186	0	..	2	184	293
	2016	..	223	0	..	9	214	340
	2017	..	252	..	..	14	238	378
Netherlands	2014	21,038	15,403	27,798	1,342	-145	7,446	441
	2015	22,318	16,351	26,757	1,994	2,123	7,795	460
	2016	19,278	18,861	30,158	2,026	-469	6,424	378
	2017	19,439	16,818	29,298	2,083	-1,461	6,337	372
North Macedonia	2014	0	561	86	..	6	469	226
	2015	0	619	89	..	6	524	252
	2016	0	654	39	..	12	603	290
	2017	0	661	39	..	-6	628	301
Norway	2014	6,501	1,115	2,762	64	8	4,782	930
	2015	6,790	1,699	3,344	91	12	5,042	970
	2016	5,337	1,794	2,672	50	-196	4,605	876
	2017	7,287	1,717	4,241	122	-110	4,751	896
Poland	2014	11,237	1,452	968	75	-99	11,745	307
	2015	12,299	2,061	1,790	144	-172	12,598	329
	2016	11,863	3,740	1,086	129	126	14,262	373
	2017	12,337	5,209	187	211	259	16,889	442
Portugal	2014	5,166	699	1,295	58	-90	4,602	439
	2015	6,446	782	2,284	109	70	4,765	457
	2016	5,976	962	2,076	127	-102	4,837	466
	2017	6,218	893	2,079	130	-7	4,909	475
Republic of Moldova	2014	1	457	4	..	-11	465	114
	2015	0	522	9	..	15	498	122
	2016	2	555	7	..	6	544	134
	2017	1	594	21	..	-4	578	143
Romania	2014	5,170	994	1,635	79	33	4,417	221
	2015	5,116	1,216	1,609	44	5	4,674	235
	2016	5,437	1,232	1,690	31	53	4,895	247
	2017	5,655	1,366	1,547	28	27	5,419	275
Russian Federation	2014	77,001	89	*44,508	*1,400	19	31,163	217
	2015	76,004	107	*42,700	*1,400	-284	32,295	224
	2016	76,249	82	*45,655	*1,400	348	28,928	201
	2017	76,823	143	*41,714	*1,400	280	33,572	233

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Serbia	2014	1,172	434	59	15	-6	1,538	218
	2015	1,279	430	122	24	8	1,555	221
	2016	1,322	448	128	20	14	1,608	230
	2017	1,401	527	220	14	0	1,695	244
Slovakia	2014	2,787	707	1,941	..	9	1,544	284
	2015	3,120	798	2,361	..	63	1,494	275
	2016	2,997	834	2,198	..	-32	1,665	306
	2017	3,006	1,048	2,064	..	-9	1,999	367
Slovenia	2014	41	2,505	951	..	-12	1,607	776
	2015	26	2,639	1,090	..	-14	1,589	766
	2016	16	2,997	1,349	..	-37	1,701	819
	2017	40	3,038	1,364	..	70	1,644	790
Spain	2014	27,985	3,812	5,071	1,264	528	24,934	536
	2015	28,358	4,644	5,403	1,660	993	24,946	538
	2016	27,749	4,790	5,381	1,560	-278	25,876	558
	2017	28,426	5,085	6,578	1,271	-503	26,165	564
Sweden	2014	7,926	2,400	4,829	313	-32	5,216	538
	2015	8,741	2,578	5,556	774	473	4,516	463
	2016	8,310	3,089	5,315	684	-247	5,647	574
	2017	9,032	2,910	6,938	723	-1,154	5,435	548
Switzerland	2014	2,636	2,936	64	5	47	5,456	660
	2015	1,581	4,066	24	6	-184	5,801	694
	2016	1,766	3,803	30	5	152	5,382	638
	2017	1,786	3,814	28	4	-89	5,657	664
Ukraine	2014	832	4,775	76	..	-182	5,713	127
	2015	786	4,835	0	..	11	5,610	126
	2016	929	5,125	0	..	612	5,442	122
	2017	680	5,422	193	..	-359	6,268	142
United Kingdom	2014	22,663	12,894	5,403	1,676	155	28,323	436
	2015	21,262	14,867	4,599	1,674	183	29,673	454
	2016	21,117	16,726	4,928	1,770	139	31,006	471
	2017	20,932	15,367	3,874	1,653	3	30,769	465
Oceania	2014	12,938	13,494	57	179	-343	26,538	681
	2015	12,059	14,999	85	230	235	26,509	670
	2016	10,076	17,430	44	202	223	27,037	674
	2017	9,794	17,877	120	197	-257	27,611	679
Australia	2014	10,546	11,207	51	34	-358	22,026	938
	2015	9,652	12,444	64	55	225	21,752	914
	2016	7,579	14,896	44	46	217	22,168	919
	2017	7,279	15,418	89	47	-173	22,734	930
Cook Islands	2014	..	*15	..	..	..	*15	*853
	2015	..	*14	..	..	..	*14	*791
	2016	..	*14	..	..	..	*14	*829
	2017	..	*16	..	..	..	*16	*892
Fiji	2014	..	*340	0	*42	..	*298	*337
	2015	..	420	0	*63	..	357	400
	2016	..	375	0	*60	..	315	351
	2017	..	*359	..	*60	..	*299	*330
French Polynesia	2014	..	131	..	*37	..	94	342
	2015	..	137	..	*39	..	99	355
	2016	..	135	..	*35	..	100	355
	2017	..	138	..	*36	..	102	361

Table 21

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Kiribati	2014	..	11	..	..	..	11	100
	2015	..	*12	..	..	..	*12	*107
	2016	..	*13	..	..	..	*13	*114
	2017	..	*13	..	..	..	*13	*112
Marshall Islands	2014	..	*34	..	..	..	*34	*643
	2015	..	*35	..	..	..	*35	*660
	2016	..	*35	..	..	..	*35	*660
	2017	..	*36	..	..	..	*36	*672
Micronesia (Fed. States of)	2014	..	*28	..	*3	..	*25	*240
	2015	..	30	..	3	..	27	254
	2016	..	*30	..	*3	..	*27	*253
	2017	..	*30	..	*3	..	*27	*253
Nauru	2014	..	*9	..	..	0	*9	*786
	2015	..	*9	..	..	0	*9	*755
	2016	..	*7	..	..	0	*7	*626
	2017	..	*7	..	..	..	*7	*572
New Caledonia	2014	..	420	..	6	7	407	1,534
	2015	..	319	..	8	8	304	1,128
	2016	..	286	..	4	-7	289	1,059
	2017	..	294	..	7	5	282	1,022
New Zealand	2014	1,997	765	6	52	-7	2,711	594
	2015	2,150	735	21	57	12	2,795	606
	2016	1,949	1,033	0	48	38	2,896	621
	2017	1,942	979	31	38	-56	2,908	618
Niue	2014	..	1	..	..	..	1	729
	2015	..	1	..	..	..	1	737
	2016	..	*1	..	..	..	*1	*677
	2017	..	*1	..	..	..	*1	*661
Palau	2014	..	*27	..	..	..	*27	*1,504
	2015	..	*27	..	..	..	*27	*1,500
	2016	..	*28	..	..	..	*28	*1,580
	2017	..	*29	..	..	..	*29	*1,628
Papua New Guinea	2014	395	324	..	..	12	708	91
	2015	257	643	..	..	-17	916	116
	2016	548	403	..	..	-25	977	121
	2017	*573	*386	..	..	*-32	*991	*120
Samoa	2014	..	45	..	..	*4	41	213
	2015	..	52	..	..	*7	45	234
	2016	..	*48	..	..	*1	*47	*241
	2017	..	*49	..	..	..	*49	*248
Solomon Islands	2014	..	88	..	*6	..	83	144
	2015	..	80	..	*6	..	74	126
	2016	..	*78	..	*5	..	*73	*121
	2017	..	*77	..	*5	..	*72	*118
Tonga	2014	..	1	..	..	..	1	9
	2015	..	0	..	..	..	0	0
	2016	..	0	..	..	..	0	0
	2017	..	0	..	..	..	0	0
Tuvalu	2014	..	*2	..	..	..	*2	*165
	2015	..	*2	..	..	..	*2	*173
	2016	..	*2	..	..	..	*2	*171
	2017	..	*2	..	..	..	*2	*170

Production, trade and supply of gas oil/diesel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Vanuatu	2014	..	40	..	..	..	40	153
	2015	..	35	..	..	..	35	131
	2016	..	39	..	..	..	39	144
	2017	..	38	..	..	..	38	138
Wallis and Futuna Is.	2014	..	6	..	..	..	6	514
	2015	..	6	..	..	..	6	524
	2016	..	7	..	..	..	7	564
	2017	..	*7	..	..	..	*7	*555

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Table Notes

Production includes output from refineries and plants.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 60: Production of fuel oil by region, 1990-2017

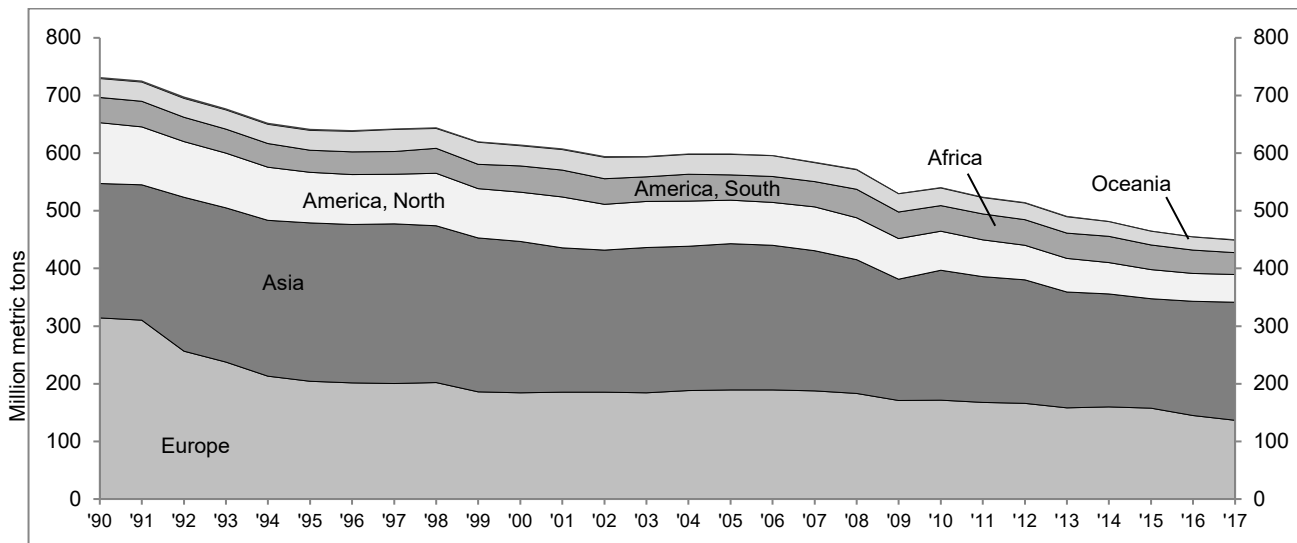


Figure 61: Major fuel oil producing countries, 2017

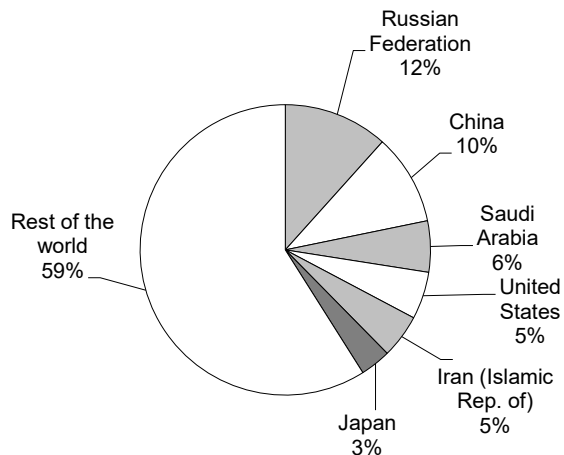


Figure 62: Major fuel oil consuming countries, 2017

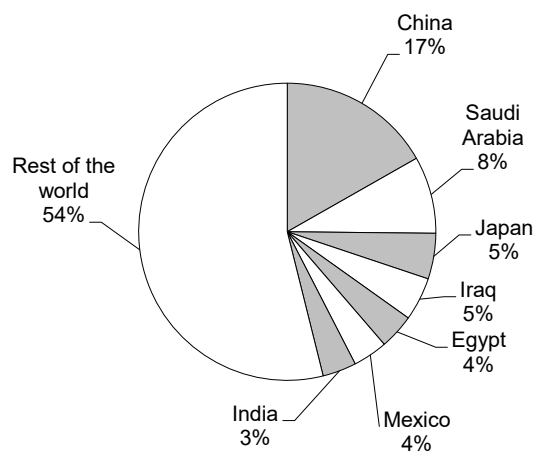


Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
World	2014	482,185	243,659	293,344	171,012	-435	261,924	36
	2015	465,522	254,983	309,831	166,742	1,842	242,091	33
	2016	455,207	243,535	304,247	169,099	-3,305	228,701	31
	2017	450,527	231,196	280,793	181,029	-3,960	223,861	30
Africa	2014	25,531	9,716	9,802	3,421	1,460	20,564	18
	2015	24,131	9,429	9,960	3,499	201	19,900	17
	2016	22,551	8,193	10,457	2,752	-120	17,655	14
	2017	21,935	8,312	10,059	2,980	-138	17,345	14
Algeria	2014	6,594	180	6,464	209	79	22	1
	2015	6,617	196	6,631	217	-35	0	0
	2016	6,870	146	6,940	182	-106	0	0
	2017	6,402	186	6,379	172	25	12	0
Angola	2014	921	25	408	370	..	168	6
	2015	802	0	605	411	..	-214	-8
	2016	703	0	603	349	..	-249	-9
	2017	995	..	600	342	..	53	2
Benin	2014	..	136	79	..	45	12	1
	2015	..	27	..	..	..	27	3
	2016	..	5	..	1	18	-14	-1
	2017	..	14	..	1	-9	22	2
Botswana	2014	..	11	..	..	..	11	5
	2015	..	11	..	..	..	11	5
	2016	..	12	..	..	..	12	5
	2017	..	12	..	..	..	12	5
Burkina Faso	2014	..	136	..	..	*9	127	7
	2015	..	213	..	..	*21	191	11
	2016	..	165	..	..	*21	144	8
	2017	..	224	..	..	*20	204	11
Burundi	2014	..	*11	..	..	..	*11	*1
	2015	..	*10	..	..	..	*10	*1
	2016	..	*9	..	..	..	*9	*1
	2017	..	*24	..	..	..	*24	*2
Cabo Verde	2014	..	96	..	38	..	58	110
	2015	..	*99	..	*39	..	*61	*114
	2016	..	*105	..	*40	..	*65	*121
	2017	..	*114	..	*43	..	*71	*130
Cameroon	2014	253	..	82	4	..	167	8
	2015	273	..	3	0	-4	274	12
	2016	270	..	3	0	-4	271	12
	2017	222	..	3	0	-4	223	9
Central African Rep.	2014	..	*6	..	..	..	*6	*1
	2015	..	*6	..	..	..	*6	*1
	2016	..	*6	..	..	..	*6	*1
	2017	..	*6	..	..	..	*6	*1
Chad	2014	*27	..	*24	..	..	*3	0
	2015	*27	..	*24	..	..	*3	0
	2016	*24	..	*24	..	..	0	0
	2017	*24	..	*24	..	..	0	0
Congo	2014	332	..	332	..	..	0	0
	2015	329	7	325	..	..	11	2
	2016	325	26	325	..	..	26	5
	2017	358	16	343	..	..	31	6

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Côte d'Ivoire	2014	396	..	168	14	..	214	9
	2015	311	..	124	6	-10	191	8
	2016	317	..	271	7	0	39	2
	2017	*313	..	*254	6	..	*53	*2
Dem. Rep. of the Congo	2014	..	41	..	..	..	41	1
	2015	..	16	..	..	..	16	0
	2016	..	22	..	..	..	22	0
	2017	..	16	..	..	..	16	0
Djibouti	2014	..	18	..	*9	9	0	0
	2015	..	33	..	*9	24	0	0
	2016	..	15	..	*9	6	0	0
	2017	..	9	..	*9	0	0	0
Egypt	2014	8,046	4,268	..	113	262	11,939	130
	2015	7,899	3,798	..	139	..	11,558	123
	2016	7,567	2,302	..	21	..	9,848	103
	2017	7,354	1,422	..	158	..	8,618	88
Eritrea	2014	..	76	..	..	..	76	23
	2015	..	78	..	..	..	78	23
	2016	..	79	..	..	..	79	23
	2017	..	83	..	..	..	83	24
Eswatini	2014	..	*5	..	..	..	*5	*4
	2015	..	*5	..	..	..	*5	*5
	2016	..	*5	..	..	..	*5	*4
	2017	..	0	..	..	..	0	0
Ethiopia	2014	..	128	..	..	..	128	1
	2015	..	71	..	..	..	71	1
	2016	..	38	..	..	..	38	0
	2017	..	42	..	..	..	42	0
Gabon	2014	411	..	242	103	..	66	35
	2015	395	..	219	109	..	67	35
	2016	397	..	219	108	..	70	35
	2017	397	..	232	94	..	71	35
Gambia	2014	..	66	..	..	..	66	34
	2015	..	*68	..	..	..	*68	*34
	2016	..	*69	..	..	..	*69	*34
	2017	..	*70	..	..	..	*70	*33
Ghana	2014	44	49	0	..	0	92	3
	2015	9	0	0	..	0	9	0
	2016	64	390	70	..	0	384	14
	2017	1	249	53	..	0	197	7
Guinea	2014	..	105	..	..	..	105	9
	2015	..	72	..	..	..	72	6
	2016	..	162	..	..	..	162	13
	2017	..	*160	..	..	..	*160	*13
Guinea-Bissau	2014	..	*30	..	..	..	*30	*18
	2015	..	*32	..	..	..	*32	*18
	2016	..	*34	..	..	..	*34	*18
	2017	..	*34	..	..	..	*34	*18
Kenya	2014	0	386	53	5	0	328	7
	2015	0	380	18	4	0	358	8
	2016	0	349	19	0	0	329	7
	2017	0	599	38	8	0	553	11

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Liberia	2014	..	15	..	*5	..	10	2
	2015	..	0	..	0	..	0	0
	2016	..	0	..	0	..	0	0
	2017	..	0	..	0	..	0	0
Libya	2014	1,754	60	0	95	..	1,719	277
	2015	1,767	0	318	83	..	1,366	219
	2016	1,827	0	427	85	..	1,315	209
	2017	1,673	0	336	220	..	1,117	175
Madagascar	2014	..	75	..	*5	0	70	3
	2015	..	48	..	*3	0	45	2
	2016	..	75	..	*9	..	66	3
	2017	..	148	..	5	..	143	6
Malawi	2014	..	*2	..	..	..	*2	0
	2015	..	*2	..	..	..	*2	0
	2016	..	*2	..	..	..	*2	0
	2017	..	*2	..	..	..	*2	0
Mali	2014	..	*125	..	..	..	*125	*7
	2015	..	125	..	..	..	125	7
	2016	..	*125	..	..	..	*125	*7
	2017	..	*125	..	..	..	*125	*7
Mauritania	2014	..	219	..	..	..	219	54
	2015	..	*255	..	..	..	*255	*61
	2016	..	*244	..	..	..	*244	*57
	2017	..	330	..	..	..	330	75
Mauritius	2014	..	406	..	171	-30	265	211
	2015	..	445	..	167	8	270	214
	2016	..	490	..	217	7	265	210
	2017	..	649	..	341	27	281	222
Morocco	2014	1,656	1,548	188	114	1,241	1,661	48
	2015	553	1,595	0	114	616	1,418	40
	2016	0	1,518	0	114	129	1,275	36
	2017	..	1,795	..	114	6	1,675	46
Namibia	2014	..	17	..	..	..	17	7
	2015	..	18	..	..	..	18	7
	2016	..	18	..	..	..	18	7
	2017	..	18	..	..	..	18	7
Niger	2014	..	2	..	..	..	2	0
	2015	..	2	..	..	..	2	0
	2016	..	6	..	..	..	6	0
	2017	..	*24	..	..	..	*24	*1
Nigeria	2014	959	153	333	260	-151	670	4
	2015	406	64	92	259	-460	579	3
	2016	577	297	169	216	-187	676	4
	2017	994	297	511	218	-190	752	4
Rwanda	2014	..	*4	..	..	..	*4	0
	2015	..	*5	..	..	..	*5	0
	2016	..	5	..	..	..	5	0
	2017	..	*6	..	..	..	*6	0
Senegal	2014	158	569	60	5	-10	672	46
	2015	233	577	52	1	-6	763	51
	2016	266	624	56	3	-1	832	54
	2017	285	672	56	3	0	898	57

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Seychelles	2014	..	77	..	*4	..	73	782
	2015	..	85	..	*7	..	78	831
	2016	..	87	..	*7	..	80	850
	2017	..	95	..	*7	..	88	930
Sierra Leone	2014	..	41	..	..	..	41	6
	2015	..	*32	..	..	..	*32	*4
	2016	..	*33	..	..	..	*33	*5
	2017	..	*35	..	..	..	*35	*5
Somalia	2014	..	*39	..	*12	..	*27	*2
	2015	..	*39	..	*12	..	*27	*2
	2016	..	*39	..	*12	..	*27	*2
	2017	..	*39	..	*12	..	*27	*2
South Africa	2014	3,124	52	880	1,839	..	457	8
	2015	3,791	111	1,163	1,863	..	876	16
	2016	2,740	105	964	1,346	..	535	10
	2017	2,474	102	907	1,215	..	454	8
Sudan	2014	205	..	..	..	..	205	5
	2015	208	..	..	..	..	208	5
	2016	135	..	..	..	..	135	3
	2017	51	140	..	..	..	191	5
Togo	2014	..	*65	..	..	-3	*68	*9
	2015	..	49	..	..	-4	53	7
	2016	..	*185	..	..	..	*185	*24
	2017	..	*149	..	..	..	*149	*19
Tunisia	2014	563	258	489	0	9	323	29
	2015	430	568	386	0	51	561	50
	2016	409	230	367	..	-4	276	24
	2017	327	222	323	..	-13	239	21
Uganda	2014	..	31	..	..	..	31	1
	2015	..	44	..	..	..	44	1
	2016	..	*44	..	..	..	*44	*1
	2017	..	*46	..	..	..	*46	*1
United Rep. of Tanzania	2014	..	159	..	46	..	113	2
	2015	..	194	..	56	..	138	3
	2016	..	92	..	27	..	65	1
	2017	..	43	..	13	..	30	1
Zambia	2014	88	27	0	..	..	115	7
	2015	81	48	0	..	..	129	8
	2016	61	37	0	..	..	98	6
	2017	65	96	..	..	..	161	9
America, North	2014	54,360	25,684	37,822	18,874	-955	24,303	43
	2015	50,001	26,084	33,751	16,045	903	25,387	44
	2016	47,767	27,147	31,510	20,764	-104	22,744	39
	2017	48,074	27,762	30,902	22,891	-1,461	23,503	40
Antigua and Barbuda	2014	..	*39	..	*4	..	*35	*354
	2015	..	*40	..	*4	..	*36	*360
	2016	..	*41	..	*4	..	*37	*366
	2017	..	*41	..	*4	..	*37	*363
Aruba	2014	..	*202	..	*11	..	*191	*1,840
	2015	..	*207	..	*11	..	*196	*1,878
	2016	..	*202	..	*11	..	*191	*1,822
	2017	..	*210	..	*12	..	*199	*1,886

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Bahamas	2014	..	*151	..	*136	..	*15	*39
	2015	..	105	..	*90	..	15	39
	2016	..	35	..	*21	..	14	36
	2017	..	84	..	*71	..	13	33
Barbados	2014	..	199	..	..	-1	199	702
	2015	..	224	..	..	17	207	728
	2016	..	228	..	..	17	210	738
	2017	..	180	..	..	15	165	578
Belize	2014	..	*4	..	..	..	*4	*12
	2015	..	*4	..	..	..	*4	*12
	2016	..	4	..	..	..	4	11
	2017	..	6	..	..	..	6	17
Bermuda	2014	..	103	..	*7	..	96	1,535
	2015	..	102	..	*7	..	95	1,540
	2016	..	101	..	*10	..	91	1,472
	2017	..	122	..	*11	..	112	1,819
Bonaire, St Eustatius, Saba	2014	..	*235	..	*188	..	*47	*1,948
	2015	..	*238	..	*190	..	*48	*1,933
	2016	..	*240	..	*192	..	*48	*1,919
	2017	..	*244	..	*196	..	*48	*1,906
Canada	2014	6,164	1,005	3,628	347	120	3,074	86
	2015	4,738	647	3,162	142	14	2,067	57
	2016	4,115	780	3,023	245	-180	1,807	50
	2017	4,739	843	2,952	298	44	2,288	62
Costa Rica	2014	..	316	1	..	9	306	64
	2015	..	130	1	..	-4	134	28
	2016	..	139	..	..	-18	156	32
	2017	..	123	..	..	-1	123	25
Cuba	2014	2,315	1,238	..	646	..	2,907	254
	2015	2,233	1,253	..	633	..	2,852	249
	2016	1,032	1,213	..	609	..	1,636	143
	2017	1,255	1,166	..	*425	..	1,996	174
Curaçao	2014	3,505	1,709	3,413	1,430	..	371	2,370
	2015	3,275	1,681	3,189	1,416	..	351	2,221
	2016	2,996	1,677	2,917	1,402	..	354	2,221
	2017	2,384	1,656	2,321	1,404	..	315	1,962
Dominica	2014	..	*15	..	*1	..	*14	*192
	2015	..	*16	..	*1	..	*15	*206
	2016	..	*16	..	*1	..	*14	*197
	2017	..	*14	..	*1	..	*13	*177
Dominican Republic	2014	367	1,168	..	..	-12	1,547	149
	2015	234	1,407	..	..	9	1,632	155
	2016	310	1,564	..	..	6	1,868	175
	2017	254	1,401	..	..	4	1,650	153
El Salvador	2014	0	588	..	..	..	588	94
	2015	0	571	..	..	..	571	90
	2016	0	592	..	..	..	592	93
	2017	..	343	..	..	..	343	54
Greenland	2014	..	14	..	1	1	11	203
	2015	..	13	..	1	1	11	195
	2016	..	12	..	1	0	11	195
	2017	..	14	..	2	0	12	217

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Guatemala	2014	..	498	18	..	-11	491	31
	2015	..	569	2	..	-13	581	36
	2016	..	519	6	..	31	482	29
	2017	..	283	5	..	-5	284	17
Haiti	2014	..	128	..	..	-10	138	13
	2015	..	119	..	..	0	119	11
	2016	..	121	..	..	..	121	11
	2017	..	122	..	..	..	122	11
Honduras	2014	..	1,057	0	0	-49	1,106	126
	2015	..	1,100	4	6	-82	1,172	131
	2016	..	988	18	36	-63	997	109
	2017	..	946	0	37	0	909	98
Jamaica	2014	566	890	180	..	3	1,274	445
	2015	752	760	261	..	-5	1,256	437
	2016	677	873	260	..	-15	1,305	453
	2017	677	867	302	..	18	1,224	424
Mexico	2014	14,742	740	7,325	93	-134	8,198	66
	2015	13,500	965	7,049	77	-143	7,482	59
	2016	13,007	1,508	6,458	86	89	7,882	62
	2017	12,360	2,242	5,887	72	162	8,481	66
Nicaragua	2014	292	197	10	..	-3	482	80
	2015	336	193	0	..	-9	538	88
	2016	330	195	0	..	8	517	84
	2017	318	130	10	..	-2	440	71
Panama	2014	..	3,234	..	3,024	-175	385	99
	2015	..	3,332	..	3,073	-244	503	127
	2016	..	3,789	..	3,538	-167	419	104
	2017	..	4,697	..	4,274	-114	537	131
Sint Maarten (Dutch part)	2014	..	*254	..	*128	..	*126	*3,337
	2015	..	*263	..	*133	..	*130	*3,360
	2016	..	*266	..	*133	..	*133	*3,366
	2017	..	*258	..	*128	..	*130	*3,245
St. Lucia	2014	..	*6	..	*6	..	0	0
	2015	..	*6	..	*6	..	0	0
	2016	..	*6	..	*6	..	0	0
	2017	..	*7	..	*7	..	0	0
Trinidad and Tobago	2014	2,589	..	2,317	377	-105	0	0
	2015	2,183	..	1,835	299	49	0	0
	2016	2,236	..	1,821	296	120	-1	-1
	2017	2,345	..	1,956	318	53	18	13
United States	2014	23,820	11,694	20,930	12,475	-589	2,698	8
	2015	22,751	12,139	18,248	9,956	1,314	5,372	17
	2016	23,064	12,039	17,007	14,173	68	3,855	12
	2017	23,742	11,764	17,470	15,634	-1,635	4,037	12
America, South	2014	45,450	1,544	20,946	6,411	784	18,853	46
	2015	42,660	936	19,719	6,013	836	17,028	41
	2016	40,808	894	22,806	5,237	224	13,435	32
	2017	37,868	1,067	22,081	5,270	449	11,134	26
Argentina	2014	4,593	553	191	1,408	16	3,531	82
	2015	4,606	0	24	818	-37	3,801	88
	2016	3,923	0	25	628	-55	3,325	76
	2017	2,993	0	370	687	104	1,832	41

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Bolivia (Plur. State of)	2014	411	..	408	..	3	0	0
	2015	636	..	613	..	15	8	1
	2016	264	..	367	..	-20	-83	-8
	2017	192	..	186	..	-28	34	3
Brazil	2014	16,010	379	4,936	3,116	54	8,283	41
	2015	14,087	337	4,189	3,687	27	6,521	32
	2016	11,424	62	3,436	3,216	2	4,832	23
	2017	11,646	71	3,623	3,310	64	4,720	23
Chile	2014	1,185	66	67	206	-13	991	56
	2015	1,252	32	302	133	13	836	47
	2016	1,220	42	326	135	-15	816	46
	2017	1,170	26	290	142	54	710	39
Colombia	2014	4,521	12	3,692	254	773	-186	-4
	2015	3,114	7	2,209	142	*522	248	5
	2016	3,542	0	2,474	217	*582	269	6
	2017	3,283	9	2,396	177	561	158	3
Ecuador	2014	2,411	155	312	446	4	1,804	113
	2015	2,439	282	547	345	6	1,823	113
	2016	2,873	472	1,714	290	-1	1,343	82
	2017	2,968	634	2,288	332	-9	992	60
Guyana	2014	..	186	..	..	0	186	244
	2015	..	200	..	..	5	195	253
	2016	..	208	..	..	-1	209	271
	2017	..	204	..	..	2	202	260
Paraguay	2014	..	50	..	..	7	43	7
	2015	..	36	..	..	-8	44	7
	2016	..	46	..	..	-1	47	7
	2017	..	5	..	..	1	5	1
Peru	2014	1,681	..	798	..	-70	953	31
	2015	1,972	0	773	..	331	868	28
	2016	2,432	23	1,884	..	-281	852	27
	2017	3,258	23	2,615	..	-233	899	28
Suriname	2014	183	37	451	57	..	-289	-527
	2015	405	33	410	37	..	-8	-15
	2016	296	30	383	37	..	-93	-167
	2017	321	31	257	36	..	58	104
Uruguay	2014	356	106	..	105	10	347	101
	2015	313	8	..	84	-38	276	80
	2016	385	11	..	73	14	310	90
	2017	105	63	..	34	-66	200	58
Venezuela (Bolivar. Rep.)	2014	14,100	0	10,091	819	..	3,190	104
	2015	13,836	0	10,651	768	..	2,417	78
	2016	14,448	0	12,197	642	..	1,609	51
	2017	11,931	0	10,056	552	..	1,323	41
Asia	2014	195,516	136,302	79,941	95,542	-1,024	157,359	36
	2015	189,724	146,760	91,563	100,337	280	144,304	33
	2016	197,920	137,697	100,939	99,185	-2,339	137,833	31
	2017	204,781	141,737	104,701	107,553	-288	134,551	30
Afghanistan	2014	..	*1	..	..	..	*1	0
	2015	..	*1	..	..	..	*1	0
	2016	..	*1	..	..	..	*1	0
	2017	..	*1	..	..	..	*1	0

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Azerbaijan	2014	207	21	237	..	-29	20	2
	2015	324	135	113	..	-63	409	43
	2016	399	187	23	..	-118	681	70
	2017	236	198	12	..	83	339	34
Bahrain	2014	2,158	..	2,174	..	-16	0	0
	2015	2,181	..	2,207	..	-26	0	0
	2016	2,484	..	2,443	..	41	0	0
	2017	2,750	..	2,777	..	-27	0	0
Bangladesh	2014	302	1,016	..	100	..	1,218	8
	2015	299	692	..	107	..	884	5
	2016	363	335	..	115	..	583	4
	2017	443	521	..	122	..	842	5
Bhutan	2014	..	0	..	..	..	0	1
	2015	..	1	..	..	..	1	2
	2016	..	1	..	..	..	1	2
	2017	..	2	..	..	..	2	2
Brunei Darussalam	2014	72	..	..	72	..	0	0
	2015	80	..	..	83	..	-3	-7
	2016	39	..	..	39	..	0	0
	2017	..	..	..	..	..	..	..
Cambodia	2014	..	89	..	..	..	89	6
	2015	..	71	..	..	..	71	5
	2016	..	139	..	..	..	139	9
	2017	..	78	..	..	..	78	5
China	2014	35,417	17,846	9,477	6,939	62	36,784	26
	2015	39,630	15,404	10,517	8,782	-37	35,773	26
	2016	42,369	11,744	9,856	9,251	-64	35,070	25
	2017	45,635	13,568	11,089	9,663	662	37,789	27
China, Hong Kong SAR	2014	..	6,482	395	6,292	-207	2	0
	2015	..	7,776	401	6,771	604	0	0
	2016	..	7,251	264	6,529	458	0	0
	2017	..	7,958	168	8,042	-251	-1	0
China, Macao SAR	2014	..	55	..	..	-1	56	95
	2015	..	159	..	..	15	144	240
	2016	..	148	..	..	-3	151	246
	2017	..	128	..	..	8	120	193
Cyprus	2014	..	942	..	153	-39	828	719
	2015	..	1,053	..	169	14	870	749
	2016	..	1,095	..	193	-4	906	774
	2017	..	980	..	154	18	808	685
Georgia	2014	..	14	12	..	0	2	0
	2015	5	107	109	..	1	1	0
	2016	8	44	19	..	-23	57	14
	2017	9	87	32	..	1	63	16
India	2014	11,919	945	4,762	1,350	..	6,752	5
	2015	9,727	1,194	2,806	1,406	..	6,709	5
	2016	9,962	956	2,248	1,506	..	7,164	5
	2017	9,486	1,273	2,492	1,578	..	6,689	5
Indonesia	2014	*2,069	406	*629	124	..	*1,722	*7
	2015	1,224	463	329	138	..	1,220	5
	2016	1,305	719	342	137	..	1,545	6
	2017	1,027	643	262	144	..	1,264	5

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Iran (Islamic Rep. of)	2014	23,572	..	6,401	3,577	..	13,594	173
	2015	21,747	..	9,557	4,603	..	7,588	96
	2016	21,842	..	15,817	1,826	..	4,199	52
	2017	21,974	..	15,843	1,179	..	4,952	61
Iraq	2014	13,268	..	388	188	..	12,692	363
	2015	11,964	..	454	224	..	11,286	312
	2016	12,774	..	330	284	..	12,160	327
	2017	14,573	..	3,658	286	..	10,629	278
Israel	2014	2,410	0	2,000	96	-46	360	45
	2015	2,680	0	2,137	227	-3	319	40
	2016	2,715	0	2,369	128	-68	286	35
	2017	2,596	..	2,453	193	66	-116	-14
Japan	2014	18,200	4,408	1,696	3,654	-176	17,434	136
	2015	17,047	3,183	2,188	4,022	11	14,009	109
	2016	17,777	2,265	3,065	4,153	-31	12,855	101
	2017	15,342	2,164	2,411	3,983	-90	11,202	88
Jordan	2014	812	1,232	..	0	2	2,041	232
	2015	887	850	..	1	5	1,731	189
	2016	600	0	..	85	8	507	54
	2017	569	0	..	73	29	467	48
Kazakhstan	2014	3,877	3	2,769	..	-79	1,190	68
	2015	3,900	4	1,950	..	-119	2,073	117
	2016	3,100	0	*1,856	..	-26	1,270	71
	2017	3,365	..	*1,733	..	-1	1,633	90
Korea, Dem.Ppl's.Rep.	2014	109	263	..	..	..	372	15
	2015	109	364	..	..	..	473	19
	2016	109	422	..	..	..	531	21
	2017	109	350	..	..	..	459	18
Korea, Republic of	2014	8,133	7,839	2,024	7,444	9	6,495	129
	2015	8,433	7,082	1,576	7,986	241	5,712	113
	2016	10,383	7,052	1,956	9,172	-352	6,659	131
	2017	9,874	5,952	2,463	8,743	240	4,380	86
Kuwait	2014	10,204	..	3,734	1,040	..	5,430	1,436
	2015	11,197	..	5,097	1,141	-574	5,533	1,406
	2016	10,002	..	4,540	1,019	-928	5,371	1,325
	2017	8,642	..	3,699	880	-1,461	5,524	1,335
Kyrgyzstan	2014	51	148	0	..	-11	210	36
	2015	136	206	0	..	59	283	48
	2016	75	33	0	..	-39	147	25
	2017	63	76	7	..	16	116	19
Lao People's Dem. Rep.	2014	..	10	..	..	..	10	1
	2015	..	11	..	..	..	11	2
	2016	..	*11	..	..	..	*11	*2
	2017	..	*11	..	..	..	*11	*2
Lebanon	2014	..	1,603	..	*30	..	1,573	251
	2015	..	1,619	..	*30	..	1,589	243
	2016	..	1,732	..	*30	..	1,702	253
	2017	..	2,095	..	*30	..	2,065	303
Malaysia	2014	2,359	411	2,626	207	-639	576	19
	2015	1,706	966	1,420	347	82	823	27
	2016	1,492	51	610	299	-39	673	22
	2017	1,739	228	622	300	11	1,034	33

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Mongolia	2014	..	3	..	..	..	3	1
	2015	..	3	..	..	..	3	1
	2016	..	3	..	..	..	3	1
	2017	..	2	..	..	..	2	1
Myanmar	2014	61	..	..	..	11	50	1
	2015	61	..	..	..	11	50	1
	2016	67	..	..	..	18	49	1
	2017	78	..	..	..	34	44	1
Nepal	2014	..	1	..	..	*-1	*2	0
	2015	..	0	..	..	0	0	0
	2016	..	0	..	..	0	0	0
	2017	..	..	..	..	..	..	..
Oman	2014	3,039	..	389	1,180	..	1,470	371
	2015	2,906	..	382	1,290	..	1,234	294
	2016	3,173	..	285	1,677	..	1,211	274
	2017	2,563	..	375	1,023	..	1,165	251
Other Asia	2014	5,880	1,800	715	1,055	119	5,791	247
	2015	5,982	1,015	954	998	-285	5,330	227
	2016	5,118	1,687	1,267	1,193	-103	4,448	189
	2017	4,953	2,464	1,543	1,103	-27	4,798	203
Pakistan	2014	2,964	5,600	13	195	191	8,166	44
	2015	2,925	6,661	4	146	36	9,399	50
	2016	3,054	6,533	1	91	-153	9,648	50
	2017	3,303	4,247	..	39	*-153	7,664	39
Philippines	2014	1,717	740	243	69	103	2,042	20
	2015	957	1,530	446	18	-24	2,047	20
	2016	781	1,082	239	46	-37	1,615	16
	2017	977	1,046	433	90	26	1,474	14
Qatar	2014	245	..	202	..	43	0	0
	2015	513	..	380	..	133	0	0
	2016	225	..	211	..	14	0	0
	2017	234	..	249	..	-14	-1	0
Saudi Arabia	2014	26,378	3,305	5,800	3,224	-140	20,799	676
	2015	24,636	5,479	8,063	3,179	-16	18,889	599
	2016	25,415	7,542	8,785	3,453	-290	21,009	651
	2017	25,689	10,547	14,015	3,325	-19	18,914	574
Singapore	2014	2,528	64,543	25,585	41,104	86	296	54
	2015	2,077	72,443	29,979	43,433	792	316	57
	2016	4,279	71,052	31,812	46,624	-408	-2,697	-480
	2017	5,383	76,356	32,529	48,615	451	144	25
Sri Lanka	2014	641	348	0	338	-119	771	37
	2015	553	203	185	361	-708	918	44
	2016	479	350	56	594	-525	703	34
	2017	494	581	0	564	-121	633	30
State of Palestine	2014	..	3	..	..	..	3	1
	2015	..	4	..	..	..	4	1
	2016	..	5	..	..	..	5	1
	2017	..	5	..	..	..	5	1
Syrian Arab Republic	2014	2,225	0	..	20	..	2,205	115
	2015	2,225	0	..	3	..	2,222	119
	2016	2,483	0	..	2	..	2,481	135
	2017	2,395	..	..	1	..	2,394	131

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Tajikistan	2014	8	16	..	..	..	24	3
	2015	5	14	..	..	..	19	2
	2016	7	16	..	..	..	23	3
	2017	9	25	..	..	..	34	4
Thailand	2014	5,328	349	3,606	1,018	-259	1,312	19
	2015	5,374	156	3,440	1,153	151	786	11
	2016	5,326	113	3,059	1,219	238	923	13
	2017	5,526	55	3,309	1,165	311	796	12
Turkey	2014	3,837	1,130	2,621	930	114	1,302	17
	2015	3,460	1,670	2,548	756	-22	1,848	24
	2016	2,835	1,707	1,652	812	90	1,988	25
	2017	2,987	2,105	1,495	794	-138	2,941	36
Turkmenistan	2014	1,690	..	759	..	..	931	170
	2015	1,690	..	759	..	..	931	167
	2016	1,690	..	759	..	..	931	164
	2017	1,690	..	759	..	..	931	162
United Arab Emirates	2014	2,888	*13,301	..	14,873	..	1,316	145
	2015	2,604	14,597	3,080	*12,732	..	1,389	152
	2016	4,732	12,098	6,912	*8,442	..	1,476	159
	2017	9,608	6,990	..	15,196	57	1,345	143
Uzbekistan	2014	198	..	..	..	..	198	6
	2015	192	..	..	..	..	192	6
	2016	170	..	..	..	..	170	5
	2017	174	0	..	..	..	174	5
Viet Nam	2014	139	676	258	187	-2	372	4
	2015	138	711	128	163	3	555	6
	2016	138	866	163	207	4	630	7
	2017	136	597	274	214	..	245	3
Yemen	2014	612	752	426	82	..	856	33
	2015	151	935	355	68	..	663	25
	2016	151	458	0	59	..	550	20
	2017	151	403	..	55	..	499	18
Europe	2014	160,011	68,054	144,586	45,817	-707	38,369	52
	2015	157,849	70,313	154,608	40,043	-316	33,828	46
	2016	145,047	68,109	138,204	40,375	-912	35,489	48
	2017	136,642	50,957	112,597	41,546	-2,552	36,007	48
Albania	2014	2	1	..	..	..	3	1
	2015	0	1	..	..	..	1	0
	2016	1	0	..	..	..	1	0
	2017	0	0	..	..	..	0	0
Austria	2014	981	40	428	..	-50	643	74
	2015	1,154	11	525	..	-67	707	81
	2016	898	16	576	..	-119	457	52
	2017	839	68	437	..	-71	541	62
Belarus	2014	5,865	5	5,420	..	-37	487	51
	2015	7,431	116	7,001	..	24	522	55
	2016	5,569	38	4,970	..	9	628	66
	2017	5,112	0	4,685	..	-2	429	45
Belgium	2014	5,512	3,700	4,551	4,993	79	-411	-37
	2015	5,306	3,892	4,727	4,485	134	-148	-13
	2016	5,349	4,079	4,183	5,443	83	-281	-25
	2017	7,488	4,988	6,284	6,715	-33	-490	-43

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Bosnia and Herzegovina	2014	143	10	30	..	-10	133	37
	2015	105	72	1	..	40	136	38
	2016	69	40	1	..	-13	121	34
	2017	81	56	2	..	..	135	38
Bulgaria	2014	1,617	72	1,536	26	38	89	12
	2015	1,654	79	1,625	21	-12	99	14
	2016	1,297	73	1,262	19	-7	96	13
	2017	974	58	900	24	-28	136	19
Croatia	2014	423	30	332	3	-46	164	39
	2015	489	56	375	2	-49	217	51
	2016	601	46	451	2	29	165	39
	2017	577	48	520	3	-69	171	41
Czechia	2014	125	13	106	..	-13	45	4
	2015	169	2	132	..	3	36	3
	2016	104	0	84	..	-22	42	4
	2017	169	..	149	..	-26	46	4
Denmark	2014	1,836	3,316	3,860	449	137	706	125
	2015	1,702	3,873	4,552	335	285	403	71
	2016	1,771	3,412	4,527	258	-194	592	104
	2017	1,625	980	2,445	139	-483	504	88
Estonia	2014	..	602	317	281	27	-23	-17
	2015	..	351	141	205	-8	13	10
	2016	..	371	176	167	3	25	19
	2017	..	441	216	207	20	-2	-2
Faeroe Islands	2014	..	*77	..	17	..	*60	*1,237
	2015	..	*82	..	25	..	*57	*1,172
	2016	..	*77	..	16	..	*60	*1,225
	2017	..	*88	..	21	..	*67	*1,358
Finland	2014	1,224	1,255	844	65	21	1,549	284
	2015	1,441	1,101	784	260	206	1,292	236
	2016	1,554	1,221	1,324	253	-104	1,302	237
	2017	1,614	902	1,190	288	21	1,017	184
France	2014	6,724	5,623	5,951	1,793	18	4,585	69
	2015	7,509	3,728	6,582	1,556	-129	3,228	48
	2016	7,686	4,203	5,827	1,410	-165	4,817	72
	2017	6,403	3,584	4,774	1,596	-82	3,699	55
Germany	2014	7,696	2,485	3,142	1,866	-157	5,330	65
	2015	7,953	1,923	3,034	1,421	-128	5,549	68
	2016	7,374	2,531	2,154	1,855	199	5,697	70
	2017	7,376	2,276	1,862	1,457	-8	6,341	77
Gibraltar	2014	..	3,337	..	3,289	..	48	1,410
	2015	..	3,413	..	3,358	..	55	1,607
	2016	..	3,474	..	3,412	..	62	1,802
	2017	..	3,866	..	3,799	..	67	1,938
Greece	2014	6,043	1,222	3,205	1,653	149	2,258	200
	2015	5,676	1,657	3,065	1,531	198	2,539	226
	2016	6,150	1,617	3,739	1,462	142	2,424	217
	2017	7,028	1,745	4,300	1,864	-135	2,744	246
Hungary	2014	67	20	23	..	1	63	6
	2015	69	22	31	..	12	48	5
	2016	39	9	27	..	-20	41	4
	2017	78	20	50	..	-2	50	5

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Iceland	2014	..	90	..	8	10	72	219
	2015	..	105	..	13	8	84	254
	2016	..	101	..	24	-1	78	235
	2017	..	102	..	31	2	69	206
Ireland	2014	937	103	938	20	-29	111	24
	2015	1,167	121	1,173	10	1	104	22
	2016	1,070	60	1,060	10	-34	94	20
	2017	1,049	62	1,058	13	-14	54	11
Italy	2014	5,731	329	2,819	1,845	-861	2,257	38
	2015	7,706	339	4,071	1,707	-344	2,611	44
	2016	8,074	827	4,663	1,995	-144	2,387	40
	2017	8,511	847	5,258	2,075	-88	2,113	36
Kosovo	2014	0	34	..	..	..	34	19
	2015	0	33	..	..	..	33	18
	2016	0	22	..	..	..	22	12
	2017	..	26	..	..	..	26	14
Latvia	2014	..	168	12	167	-12	1	0
	2015	..	135	15	134	-14	0	0
	2016	..	157	2	153	2	0	0
	2017	..	127	1	126	-1	1	1
Lithuania	2014	1,475	12	1,423	3	-53	114	38
	2015	1,561	49	1,484	37	-28	117	40
	2016	1,840	107	1,749	99	17	82	28
	2017	1,688	113	1,658	106	-29	66	23
Luxembourg	2014	..	1	..	..	..	1	2
	2015	..	1	..	..	..	1	2
	2016	..	1	..	..	..	1	2
	2017	..	2	..	..	..	2	3
Malta	2014	..	1,683	181	1,071	-44	475	1,116
	2015	..	1,765	215	1,330	-42	262	613
	2016	..	1,793	24	1,552	34	183	426
	2017	..	1,985	83	1,852	-3	53	123
Montenegro	2014	..	4	0	..	..	4	6
	2015	..	4	0	..	-1	5	8
	2016	..	4	0	..	1	3	5
	2017	..	4	..	..	2	2	3
Netherlands	2014	8,501	35,081	29,470	11,777	118	2,217	131
	2015	8,401	38,631	36,702	10,020	-12	322	19
	2016	11,961	31,645	31,729	9,901	-256	2,232	131
	2017	11,684	16,060	15,064	9,585	-1,057	4,152	244
North Macedonia	2014	0	127	6	..	-2	123	59
	2015	0	113	7	..	-1	108	52
	2016	0	97	5	2	0	91	44
	2017	0	79	3	1	0	75	36
Norway	2014	1,688	1,185	1,576	69	-13	1,241	241
	2015	1,790	1,635	1,455	16	16	1,938	373
	2016	1,290	1,350	1,058	22	-1	1,561	297
	2017	1,545	1,888	1,432	26	-60	2,035	384
Poland	2014	3,659	72	2,893	73	-18	783	20
	2015	3,869	2	2,743	47	10	1,071	28
	2016	3,609	47	2,514	53	2	1,087	28
	2017	3,436	38	2,471	53	18	932	24

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Portugal	2014	2,498	239	1,575	571	121	470	45
	2015	2,498	273	1,684	553	-74	608	58
	2016	2,675	223	1,710	661	-61	588	57
	2017	2,645	158	1,607	672	-16	540	52
Republic of Moldova	2014	16	18	13	..	5	16	4
	2015	11	6	5	..	-1	13	3
	2016	13	29	9	..	16	17	4
	2017	11	10	9	..	-3	15	4
Romania	2014	321	..	203	..	-40	158	8
	2015	308	..	162	..	-30	176	9
	2016	218	..	168	..	-34	84	4
	2017	182	..	158	..	-17	41	2
Russian Federation	2014	82,109	5	*63,500	6,469	350	11,795	82
	2015	75,957	1	*62,800	5,020	-581	8,719	61
	2016	61,426	2	*52,233	3,109	-111	6,197	43
	2017	52,476	12	44,265	2,748	-159	5,634	39
Serbia	2014	366	3	140	..	-12	241	34
	2015	355	28	60	..	-7	330	47
	2016	389	25	50	..	-7	371	53
	2017	380	9	55	..	10	324	47
Slovakia	2014	489	4	237	..	-4	260	48
	2015	471	66	365	..	-33	205	38
	2016	470	142	339	..	35	238	44
	2017	363	133	307	..	-26	215	39
Slovenia	2014	..	103	36	58	..	9	4
	2015	..	260	192	65	..	3	1
	2016	..	436	311	124	..	1	0
	2017	..	409	252	157	..	0	0
Spain	2014	4,482	5,555	3,026	6,742	-229	498	11
	2015	3,984	4,484	2,298	5,989	94	87	2
	2016	5,109	6,144	3,023	6,136	117	1,977	43
	2017	5,532	7,020	3,642	5,571	99	3,240	70
Sweden	2014	3,161	389	1,813	1,448	25	264	27
	2015	3,167	689	2,851	1,069	190	-254	-26
	2016	3,203	2,057	4,547	1,348	-104	-531	-54
	2017	3,010	1,577	4,148	1,641	-322	-880	-89
Switzerland	2014	394	0	340	..	8	46	6
	2015	314	0	325	..	-31	20	2
	2016	319	1	350	..	-39	9	1
	2017	290	..	274	..	9	7	1
Ukraine	2014	516	44	489	..	-37	108	2
	2015	535	172	45	..	-13	675	15
	2016	590	380	3	..	-62	1,029	23
	2017	444	273	..	..	-24	741	17
United Kingdom	2014	5,410	997	4,151	1,061	-147	1,342	21
	2015	5,097	1,022	3,381	834	68	1,836	28
	2016	4,329	1,252	3,356	889	-103	1,439	22
	2017	4,032	902	3,039	776	25	1,094	17
Oceania	2014	1,318	2,360	247	948	7	2,475	64
	2015	1,157	1,460	231	805	-62	1,643	42
	2016	1,114	1,494	332	786	-55	1,545	39
	2017	1,228	1,362	452	788	29	1,321	32

Table 22

Production, trade and supply of fuel oil

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Australia	2014	645	1,264	45	674	11	1,179	50
	2015	602	245	103	483	-29	290	12
	2016	516	312	171	490	-23	190	8
	2017	644	214	301	502	16	39	2
Fiji	2014	..	43	0	*2	..	41	47
	2015	..	72	0	*6	*11	55	61
	2016	..	78	0	*5	0	73	81
	2017	..	*77	..	*5	*-2	*74	*82
French Polynesia	2014	..	*111	..	*24	..	*86	*314
	2015	..	*114	..	*25	..	*89	*322
	2016	..	*105	..	*24	..	*81	*289
	2017	..	*106	..	*26	..	*80	*282
Nauru	2014	..	*10	..	4	..	*5	*479
	2015	..	*10	..	*4	..	*6	*488
	2016	..	*9	..	5	..	*4	*370
	2017	..	*9	..	*4	..	*5	*440
New Caledonia	2014	..	430	..	..	-48	479	1,803
	2015	..	479	..	..	-17	496	1,843
	2016	..	501	..	..	-6	507	1,860
	2017	..	466	..	..	31	434	1,572
New Zealand	2014	512	6	202	231	15	70	15
	2015	485	0	128	273	0	84	18
	2016	463	0	161	248	-1	55	12
	2017	435	..	151	245	4	35	7
Palau	2014	..	*32	..	..	..	*32	*1,787
	2015	..	*32	..	..	..	*32	*1,783
	2016	..	*31	..	..	..	*31	*1,744
	2017	..	*32	..	..	..	*32	*1,819
Papua New Guinea	2014	161	436	..	8	29	560	72
	2015	70	481	..	9	-27	569	72
	2016	135	429	..	9	-25	579	72
	2017	*149	*422	..	0	*-20	*590	*72
Tonga	2014	..	24	..	0	..	24	223
	2015	..	24	..	0	..	24	222
	2016	..	25	..	0	..	24	227
	2017	..	32	..	0	..	31	290
Vanuatu	2014	..	*5	..	*5	..	0	0
	2015	..	*4	..	*4	..	0	0
	2016	..	*4	..	*4	..	0	0
	2017	..	*5	..	*5	..	0	0

Production of minor oil products from refineries - by type

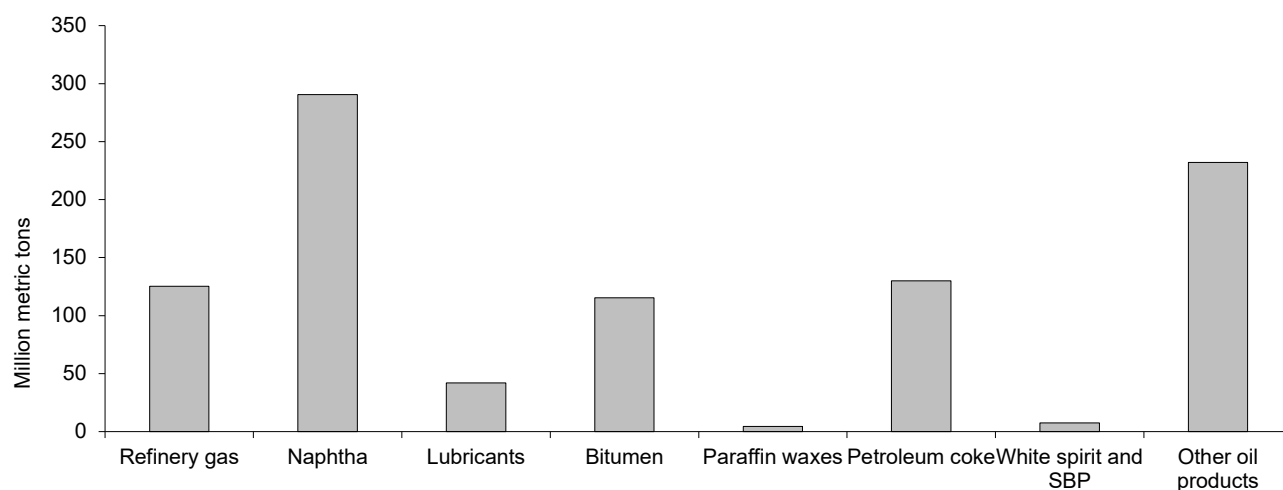
Thousand metric tons

Table Notes

Data refer to production from refineries of refinery gas, ethane, naphtha, lubricants, bitumen, paraffin waxes, petroleum coke, white spirit, and other oil products (which for this table includes refinery output of feedstocks).

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 63: Production of minor oil products from refineries, 2017*



*Ethane is included with other oil products

Table 23

Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
World	2014	121,938	2,657	259,812	36,999	104,597	3,274	125,194	7,983	163,073
	2015	128,030	3,082	269,020	37,154	110,243	3,049	124,351	7,564	172,885
	2016	128,405	2,119	278,668	36,983	112,937	3,447	128,518	8,755	180,142
	2017	125,283	1,650	290,413	41,856	115,259	4,548	129,910	7,534	201,022
Africa	2014	1,944	..	11,961	674	1,694	12	537	87	1,345
	2015	1,832	..	10,768	566	1,480	7	580	98	1,368
	2016	1,387	..	10,833	480	1,485	10	581	92	1,249
	2017	1,310	..	10,110	530	1,553	10	563	96	1,439
Algeria	2014	363	..	8,721	145	99	..	..	..	272
	2015	350	..	8,372	84	115	..	..	..	*236
	2016	..	..	7,929	*55	*144	..	..	..	*184
	2017	..	..	8,143	*73	*127	..	..	..	*134
Angola	2014	92	..	190	..	3	..	..	..	..
	2015	*106	..	204	..	0	..	..	..	..
	2016	*79	..	179	..	0	..	..	..	..
	2017	74	..	278	..	16	..	..	..	..
Cameroon	2014	63	..	..	..	..	..	..	..	145
	2015	68	..	..	..	..	..	..	..	157
	2016	67	..	..	..	..	..	..	..	155
	2017	55	..	..	..	..	..	..	..	127
Chad	2014	..	..	..	*1	*1	..	*41	..	*16
	2015	..	..	..	*1	*1	..	*41	..	*16
	2016	..	..	..	*1	*1	..	*36	..	*14
	2017	..	..	..	*1	*1	..	*36	..	*14
Congo	2014	..	..	10	..	..	..	..	..	16
	2015	..	..	8	..	..	..	..	..	12
	2016	..	..	8	..	..	..	..	..	30
	2017	..	..	9	..	..	..	..	..	19
Côte d'Ivoire	2014	25	..	..	22	177	..	..	..	..
	2015	25	..	..	26	121	..	..	..	..
	2016	25	..	..	29	236	..	..	..	..
	2017	19	..	..	36	249	..	..	..	..
Egypt	2014	132	..	1,221	289	640	..	250	..	364
	2015	130	..	1,025	285	632	..	247	..	359
	2016	*125	..	1,790	*273	*605	..	*237	..	*343
	2017	136	..	450	297	658	..	257	..	373
Gabon	2014	..	..	..	10	2	..	..	..	..
	2015	..	..	..	10	2	..	..	..	..
	2016	..	..	..	10	2	..	..	..	..
	2017	..	..	..	10	2	..	..	..	..
Libya	2014	99	..	682	..	26	..	..	..	4
	2015	87	..	539	..	23	..	..	..	4
	2016	81	..	518	..	21	..	..	..	4
	2017	97	..	667	..	25	..	..	..	5
Morocco	2014	174	..	494	78	339	1	..	..	228
	2015	90	..	204	45	247	1	..	..	221
	2016	0	..	0	0	0	0	..	..	0
	2017	..	..	..	..	..	..	..	..	..
Nigeria	2014	84	..	224	..	3	..	10	..	248
	2015	52	..	29	..	0	..	8	..	310
	2016	77	..	82	..	7	..	9	..	475
	2017	101	..	342	..	0	..	12	..	720

Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Senegal	2014	13	..	57	..	..	..	..	..	..
	2015	21	..	81	..	..	..	..	..	..
	2016	23	..	87	..	..	..	..	..	..
	2017	25	..	124	..	..	..	..	..	..
South Africa	2014	864	..	..	129	404	11	..	69	38
	2015	869	..	..	115	339	6	..	86	40
	2016	874	..	..	112	469	10	..	82	34
	2017	769	..	..	113	475	10	..	85	37
Sudan	2014	21	..	16	..	..	..	236	..	..
	2015	21	..	14	..	..	..	285	..	..
	2016	24	..	11	..	..	..	299	..	..
	2017	20	..	4	..	..	..	258	..	..
Tunisia	2014	..	..	346	..	..	..	..	18	..
	2015	..	..	292	..	..	..	..	12	..
	2016	2	..	230	..	..	..	..	10	..
	2017	4	..	93	..	..	..	..	11	..
Zambia	2014	14	..	..	..	..	..	..	..	14
	2015	13	..	..	..	..	..	..	..	13
	2016	10	..	..	..	..	..	..	..	10
	2017	10	..	..	..	..	..	..	..	10
America, North	2014	21,706	105	16,473	10,169	25,398	359	62,968	1,874	15,085
	2015	22,186	107	15,568	10,599	26,324	249	62,434	1,632	14,644
	2016	22,224	72	15,760	9,839	26,048	246	64,440	1,568	15,094
	2017	20,612	116	13,135	10,478	26,401	245	62,721	1,742	15,520
Canada	2014	2,740	..	3,306	1,230	3,985	..	1,715	55	2,525
	2015	3,526	..	3,562	1,056	4,196	..	1,422	59	2,494
	2016	3,259	..	3,892	954	4,763	..	1,378	74	2,441
	2017	2,645	..	1,749	1,038	5,176	..	1,266	129	2,558
Cuba	2014	27	..	367	49	61	..	12	..	..
	2015	19	..	354	50	64	..	8	..	..
	2016	5	..	232	50	57	..	8	..	..
	2017	3	..	289	51	58	..	2	..	..
Curaçao	2014	208	..	373	103	601	..	81	..	60
	2015	221	..	359	103	566	..	86	..	64
	2016	169	..	353	103	463	..	66	..	49
	2017	143	..	224	87	393	..	56	..	42
Dominican Republic	2014	15	..	..	..	..	..	..	..	..
	2015	9	..	..	..	..	..	..	..	..
	2016	13	..	..	..	..	..	..	..	..
	2017	10	..	..	..	..	..	..	..	..
Guatemala	2014	..	..	..	..	34	..	..	..	..
	2015	..	..	..	..	27	..	..	..	..
	2016	..	..	..	..	14	..	..	..	..
	2017	..	..	..	..	38	..	..	..	..
Jamaica	2014	..	..	41	..	17	..	..	..	..
	2015	..	..	36	..	31	..	..	..	..
	2016	..	..	51	..	20	..	..	..	..
	2017	..	..	40	..	18	..	..	..	..
Mexico	2014	3,282	..	3,646	192	1,388	30	3,018	..	87
	2015	3,193	..	3,124	120	1,025	26	3,053	..	78
	2016	3,190	..	3,008	155	982	26	2,530	..	94
	2017	2,445	..	2,441	99	959	20	1,657	..	108

Table 23

Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Nicaragua	2014	10	..	..	..	18	..	..	19	..
	2015	12	..	..	..	22	..	..	17	..
	2016	14	..	..	..	19	..	..	12	..
	2017	9	..	..	..	12	..	..	8	..
Trinidad and Tobago	2014	55	..	0	..	42	..	..	..	381
	2015	59	..	0	..	35	..	..	..	66
	2016	59	..	0	..	9	..	..	..	71
	2017	52	..	0	..	12	..	..	..	309
United States	2014	15,369	105	8,740	8,595	19,251	329	58,142	1,800	12,032
	2015	15,147	107	8,133	9,270	20,358	223	57,865	1,556	11,942
	2016	15,516	72	8,225	8,577	19,721	220	60,458	1,482	12,439
	2017	15,305	116	8,391	9,203	19,736	225	59,740	1,605	12,503
America, South	2014	8,666	..	5,059	1,121	4,431	27	11,980	636	6,572
	2015	8,471	..	4,697	1,050	3,069	27	9,424	623	5,548
	2016	7,895	..	3,464	991	3,030	23	9,310	621	5,506
	2017	7,573	..	3,346	1,053	2,657	12	8,848	471	5,747
Argentina	2014	974	..	981	259	497	10	1,286	348	..
	2015	1,066	..	921	241	403	11	1,337	287	..
	2016	1,051	..	764	238	334	9	1,406	301	..
	2017	1,017	..	727	219	242	..	1,478	230	..
Bolivia (Plur. State of)	2014	77	..	..	24	2	1	..	13	276
	2015	101	..	2	23	1	1	..	81	224
	2016	129	..	1	24	2	1	..	80	222
	2017	135	..	1	21	2	1	..	9	758
Brazil	2014	4,953	..	3,674	604	3,249	..	5,413	272	2,850
	2015	4,870	..	3,337	567	2,015	..	5,652	253	2,438
	2016	4,445	..	2,308	546	2,152	..	5,786	238	2,446
	2017	4,549	..	2,248	656	1,955	..	5,618	232	2,370
Chile	2014	211	..	77	..	..	..	298	..	792
	2015	201	..	121	..	..	..	504	..	722
	2016	203	..	48	..	..	..	365	..	744
	2017	211	..	75	..	..	..	446	..	579
Colombia	2014	375	..	327	..	..	..	..	..	424
	2015	371	..	316	..	..	..	..	..	431
	2016	367	..	343	..	..	..	..	..	381
	2017	363	..	295	..	..	..	..	..	367
Ecuador	2014	3	..	..	..	..	..	..	..	1,015
	2015	2	..	..	..	..	..	..	..	1,008
	2016	2	..	..	..	..	..	..	..	920
	2017	2	..	..	..	..	..	..	..	923
Peru	2014	162	..	..	..	..	..	..	..	508
	2015	149	..	..	..	..	..	..	..	262
	2016	137	..	..	..	..	..	..	..	239
	2017	151	..	..	..	..	..	..	..	274
Suriname	2014	..	..	..	..	2	..	..	..	..
	2015	..	..	..	..	5	..	..	..	..
	2016	..	..	..	..	5	..	..	..	..
	2017	..	..	..	..	5	..	..	..	..
Uruguay	2014	61	..	..	..	45	..	28	3	..
	2015	63	..	..	..	50	..	32	2	..
	2016	73	..	..	..	40	..	38	2	..
	2017	21	..	..	..	26	..	10	0	..

Table 23

Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Venezuela (Bolivar. Rep.)	2014	1,849	..	..	234	635	16	4,955	..	707
	2015	1,648	..	..	219	595	15	1,899	..	663
	2016	1,488	..	..	183	497	13	1,715	..	554
	2017	1,124	..	..	157	427	11	1,296	..	476
Asia	2014	52,525	12	162,825	13,646	48,921	1,678	34,398	2,193	117,290
	2015	54,936	0	170,189	13,975	52,549	1,882	36,302	2,787	126,743
	2016	57,635	0	180,692	14,729	54,863	2,429	37,913	3,531	132,218
	2017	56,559	0	189,726	15,151	58,055	3,349	40,802	4,053	150,113
Azerbaijan	2014	246	..	206	54	242	..	252	..	205
	2015	216	..	193	26	172	..	255	..	286
	2016	231	..	174	10	179	..	207	..	312
	2017	214	..	169	39	237	..	227	..	538
Bahrain	2014	..	..	1,913	..	609	..	..	..	747
	2015	..	..	1,639	..	647	..	..	..	466
	2016	..	..	1,565	..	450	..	..	..	386
	2017	..	..	1,494	..	298	..	..	..	497
Bangladesh	2014	12	..	132	18	57	..	..	7	24
	2015	13	..	162	18	67	..	..	7	18
	2016	13	..	132	17	65	..	..	3	17
	2017	16	..	161	19	79	..	..	4	21
Brunei Darussalam	2014	14	..	..	..	..	..	..	..	..
	2015	14	..	..	..	..	..	..	..	..
	2016	13	..	..	..	..	..	..	..	..
	2017	3	..	..	..	..	..	..	..	..
China	2014	17,580	..	43,892	1,124	19,532	1,432	18,318	824	81,467
	2015	18,537	..	45,850	1,172	20,078	1,614	19,004	1,473	88,834
	2016	18,923	..	50,324	1,474	21,716	2,122	19,509	2,325	91,622
	2017	19,825	..	54,639	1,998	25,828	2,982	20,494	2,122	104,284
Georgia	2014	..	..	..	..	..	..	..	..	..
	2015	..	..	..	..	..	..	..	..	2
	2016	..	..	..	..	..	..	..	..	..
	2017	..	..	3	..	..	..	..	..	..
India	2014	*10,774	..	17,391	946	4,632	53	12,448	..	18,137
	2015	*11,643	..	17,861	1,037	5,157	65	13,322	..	20,557
	2016	*12,268	..	17,607	1,029	5,185	85	*13,936	..	22,507
	2017	*9,825	..	18,786	1,036	5,277	104	14,754	..	26,210
Indonesia	2014	759	..	1,840	354	182	0	634	14	3,314
	2015	632	..	1,406	365	171	19	338	18	3,684
	2016	655	..	1,371	282	192	20	436	26	2,689
	2017	673	..	1,565	344	112	16	497	26	4,195
Iran (Islamic Rep. of)	2014	2,025	12	3,321	1,636	4,736	..	..	249	503
	2015	1,898	0	2,475	1,718	4,861	..	..	149	242
	2016	1,534	0	3,602	1,738	4,837	..	..	396	826
	2017	1,581	0	3,000	1,761	4,837	..	..	541	753
Iraq	2014	160	..	480	35	708	10	..	..	..
	2015	133	..	439	45	276	1	..	..	..
	2016	137	..	480	45	88	1	..	..	..
	2017	164	..	571	52	140	110	..	..	..
Israel	2014	527	..	1,270	..	200	..	..	..	369
	2015	627	..	1,186	..	239	..	..	..	362
	2016	653	..	1,095	..	280	..	..	..	357
	2017	573	..	1,176	..	310	..	..	..	359

Table 23

Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Japan	2014	6,849	..	13,404	2,159	3,254	67	1,177	72	2,199
	2015	7,220	..	13,986	2,107	3,264	60	1,164	75	2,204
	2016	7,157	..	14,656	2,201	3,249	58	1,267	74	2,327
	2017	7,111	..	13,175	1,958	3,051	64	1,320	72	2,222
Jordan	2014	32	..	..	*25	160	..	..	..	3
	2015	*40	..	..	*17	188	..	..	..	*3
	2016	*36	..	..	*24	238	..	..	..	*4
	2017	*33	..	..	23	226	..	..	..	*4
Kazakhstan	2014	111	..	..	..	602	..	278	..	..
	2015	111	..	..	..	600	..	256	..	..
	2016	111	..	..	..	605	..	311	..	..
	2017	161	..	..	..	809	..	474	..	..
Korea, Republic of	2014	4,077	..	25,658	2,867	4,027	16	327	366	3,210
	2015	4,499	..	29,404	2,649	4,647	14	360	355	2,588
	2016	4,566	..	31,503	2,569	5,064	16	372	388	2,834
	2017	3,831	..	35,356	2,747	5,185	18	404	506	2,856
Kuwait	2014	391	..	8,393	..	91	..	..	..	563
	2015	401	..	8,470	..	91	..	..	..	577
	2016	371	..	7,120	..	99	..	..	..	534
	2017	304	..	6,095	..	95	..	..	..	443
Malaysia	2014	189	..	1,787	633	128	61	173	..	..
	2015	169	..	2,447	867	176	83	237	..	..
	2016	198	..	2,744	972	197	93	265	..	..
	2017	172	..	2,356	367	155	23	151	..	..
Myanmar	2014	30	..	..	..	..	1	12	..	5
	2015	24	..	..	..	..	1	12	..	5
	2016	..	..	..	..	..	1	13	..	5
	2017	..	..	..	..	..	0	12	..	5
Oman	2014	134	..	478	61	..	..	..	..	242
	2015	115	..	485	46	..	..	..	..	245
	2016	93	..	482	46	..	..	..	..	192
	2017	124	..	939	62	..	..	..	..	357
Other Asia	2014	1,199	..	7,304	720	636	..	637	79	506
	2015	1,132	..	7,212	548	617	..	722	61	463
	2016	1,172	..	7,074	558	619	..	710	68	419
	2017	1,682	..	7,667	672	510	..	1,272	63	678
Pakistan	2014	169	..	1,003	185	170	*12	..	..	*31
	2015	176	..	914	208	233	*12	..	..	*34
	2016	190	..	767	192	223	*12	..	..	*35
	2017	..	..	781	180	..	2	..	..	60
Philippines	2014	..	..	243	..	..	..	..	..	400
	2015	..	..	306	..	..	..	..	..	1,118
	2016	..	..	256	..	..	..	..	..	1,278
	2017	..	..	200	..	..	..	..	..	1,266
Qatar	2014	63	..	3,556	..	..	..	..	..	1,030
	2015	60	..	3,775	..	..	..	..	..	507
	2016	61	..	3,997	..	..	..	..	..	740
	2017	58	..	5,592	..	..	..	..	..	452
Saudi Arabia	2014	2,570	..	8,267	..	2,657	..	..	..	558
	2015	*1,975	..	7,872	..	3,569	..	..	..	*388
	2016	*3,291	..	8,674	..	3,016	..	..	..	*397
	2017	4,300	..	8,503	..	2,778	..	..	..	*610

Table 23

Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Singapore	2014	2,790	..	2,168	2,561	2,882	25	123	205	813
	2015	2,633	..	1,856	2,847	2,893	12	114	192	391
	2016	3,155	..	3,667	3,162	3,432	20	137	232	699
	2017	3,251	..	4,494	3,230	2,945	28	245	705	1,035
Sri Lanka	2014	15	..	117	..	0	..	..	3	..
	2015	14	..	137	..	0	..	..	2	..
	2016	14	..	144	..	0	..	..	1	..
	2017	13	..	142	..	0	..	..	1	..
Syrian Arab Republic	2014	71	..	445	20	247	..	..	..	13
	2015	72	..	445	20	247	..	..	..	12
	2016	81	..	496	22	276	..	..	..	14
	2017	78	..	478	21	266	..	..	..	14
Tajikistan	2014	..	..	*4	..	4	..	..	..	..
	2015	..	..	*12	..	2	..	..	..	..
	2016	..	..	*9	..	3	..	..	..	..
	2017	..	..	..	..	3	..	..	..	..
Thailand	2014	512	..	10,890	..	1,177	..	..	..	1,537
	2015	563	..	10,733	..	1,420	..	..	..	1,690
	2016	550	..	10,478	..	1,364	..	..	..	1,651
	2017	569	..	10,430	..	1,361	..	..	..	1,139
Turkey	2014	791	..	304	116	1,917	..	..	368	57
	2015	1,391	..	273	130	2,877	..	500	450	404
	2016	1,541	..	320	128	3,436	..	733	12	342
	2017	1,354	..	343	187	3,496	..	934	7	917
Turkmenistan	2014	127	..	..	..	..	..	..	..	370
	2015	130	..	..	..	..	..	..	..	370
	2016	120	..	..	..	..	..	..	..	370
	2017	112	..	..	..	..	..	..	..	370
United Arab Emirates	2014	218	..	7,737	*39	..	..	..	..	922
	2015	411	..	10,432	*64	..	..	..	..	1,241
	2016	*422	..	11,782	181	..	..	..	..	1,620
	2017	447	..	11,407	370	..	..	..	..	779
Uzbekistan	2014	91	..	..	93	52	1	19	6	65
	2015	88	..	..	90	50	1	18	6	53
	2016	79	..	..	79	44	1	17	6	41
	2017	*85	..	..	*85	*50	*1	*18	*6	*50
Yemen	2014	..	..	622	..	20	..	..	..	..
	2015	..	..	218	..	7	..	..	..	..
	2016	..	..	174	..	6	..	..	..	..
	2017	..	..	205	..	7	..	..	..	..
Europe	2014	35,907	2,540	62,750	11,310	23,900	1,198	14,778	3,128	22,574
	2015	39,420	2,975	67,220	10,965	26,599	884	15,139	2,353	24,361
	2016	38,255	2,047	67,069	10,945	27,195	739	15,850	2,867	25,845
	2017	38,208	1,534	73,357	14,644	26,391	932	16,602	1,106	28,033
Albania	2014	12	..	17	..	62	..	76	..	78
	2015	*12	..	26	..	83	..	19	..	92
	2016	*6	..	4	..	84	..	14	..	56
	2017	19	..	40	..	77	..	105	..	103
Austria	2014	342	..	976	0	314	..	74	..	43
	2015	282	..	941	0	290	..	60	..	19
	2016	218	..	961	0	333	..	71	..	26
	2017	262	..	804	..	306	..	59	..	27

Table 23

Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Belarus	2014	769	..	..	..	576	..	..	..	1,808
	2015	757	..	..	..	637	..	..	..	1,029
	2016	632	..	..	..	677	..	..	..	806
	2017	617	..	..	..	852	..	..	..	1,028
Belgium	2014	819	..	2,569	0	1,099	..	330	..	4,594
	2015	816	..	2,262	0	1,095	..	334	..	4,676
	2016	860	..	2,443	..	1,271	..	315	..	3,903
	2017	916	..	2,319	..	395	..	305	..	3,698
Bosnia and Herzegovina	2014	..	..	7	57	153	..	..	..	*22
	2015	..	..	10	56	162	..	..	..	*22
	2016	..	..	7	37	152	..	..	..	21
	2017	..	..	7	51	171	..	..	..	20
Bulgaria	2014	209	..	249	..	125	..	80	4	4
	2015	263	..	300	..	102	..	85	4	2
	2016	310	..	366	..	23	..	93	4	9
	2017	331	..	448	..	16	..	98	4	9
Croatia	2014	276	..	31	13	3	..	35	..	9
	2015	208	..	52	13	0	..	53	..	120
	2016	155	..	64	11	1	..	53	..	208
	2017	185	..	52	11	..	..	74	..	115
Czechia	2014	151	..	847	88	521	10	..	..	990
	2015	156	..	657	92	440	10	90	..	781
	2016	101	..	394	84	363	10	62	..	494
	2017	145	..	840	85	551	12	102	..	817
Denmark	2014	299	..	..	..	..	..	..	..	..
	2015	319	..	..	..	..	..	..	..	..
	2016	287	..	..	..	..	..	..	..	..
	2017	306	..	..	..	..	..	..	..	..
Finland	2014	505	..	294	327	339	..	139	180	..
	2015	508	..	220	257	248	..	114	123	..
	2016	592	..	133	308	231	..	128	116	..
	2017	573	..	103	296	139	..	126	130	..
France	2014	1,319	11	4,694	1,036	1,763	154	526	17	915
	2015	1,348	2	5,209	633	1,819	90	527	40	802
	2016	1,322	9	4,974	603	1,706	73	542	38	917
	2017	1,282	20	5,301	719	2,047	97	485	58	963
Germany	2014	3,646	..	7,851	2,746	3,461	154	1,764	9	1,271
	2015	3,839	..	7,978	2,477	3,525	142	1,886	2	1,099
	2016	3,937	..	7,860	2,367	4,065	122	1,887	1	1,190
	2017	4,051	..	7,635	2,508	4,289	94	1,911	259	1,393
Greece	2014	620	..	1,327	234	540	..	510	..	1,100
	2015	615	..	1,471	274	1,075	..	473	..	1,080
	2016	662	..	1,657	225	748	..	597	..	1,156
	2017	664	..	1,616	249	907	..	483	..	1,462
Hungary	2014	185	..	902	97	467	42	407	90	716
	2015	180	..	904	124	487	37	402	13	695
	2016	173	..	1,008	134	518	35	380	20	610
	2017	174	..	862	133	440	42	309	24	640
Ireland	2014	57	..	16	..	..	..	..	..	..
	2015	85	..	34	..	..	..	..	..	..
	2016	72	..	77	..	..	..	..	..	..
	2017	75	..	94	..	..	..	..	..	..

Table 23

Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Italy	2014	2,262	..	2,705	1,216	2,514	86	758	4	1,919
	2015	2,975	..	2,667	1,311	3,182	98	1,463	3	2,807
	2016	2,559	..	2,436	1,368	2,557	108	834	3	3,936
	2017	2,718	..	6,391	1,554	2,772	145	1,033	4	2,563
Lithuania	2014	290	..	..	45	91	..	108	..	77
	2015	330	..	..	46	137	..	115	..	84
	2016	346	..	..	56	166	..	127	..	95
	2017	352	..	..	66	209	..	119	..	94
Netherlands	2014	2,052	..	7,144	554	516	422	414	29	880
	2015	2,277	..	8,567	547	483	116	395	188	834
	2016	2,243	..	10,159	16	225	3	403	322	1,831
	2017	2,099	..	10,993	0	216	78	388	121	2,378
Norway	2014	426	..	1,572	..	..	..	402	..	..
	2015	466	..	1,705	..	..	..	493	..	..
	2016	420	..	1,111	..	..	..	473	..	..
	2017	482	..	1,236	..	..	..	504	..	..
Poland	2014	603	..	1,557	541	1,229	75	..	123	1,075
	2015	594	..	1,919	592	1,480	77	..	116	1,488
	2016	663	..	1,810	651	1,427	86	..	130	1,362
	2017	542	..	1,935	452	1,452	76	..	89	1,246
Portugal	2014	19	..	1,180	66	117	9	..	17	793
	2015	13	..	1,179	131	167	13	..	26	932
	2016	8	..	1,146	121	164	10	..	24	976
	2017	9	..	1,321	136	196	10	..	16	886
Republic of Moldova	2014	..	..	..	0	..	..	..	..	1
	2015	..	..	..	0	..	..	..	..	0
	2016	..	..	..	0	..	..	..	..	1
	2017	..	..	..	..	..	..	..	..	3
Romania	2014	749	..	280	..	61	..	750	105	292
	2015	734	..	282	..	81	..	740	111	198
	2016	787	..	184	..	91	..	843	128	96
	2017	783	..	230	..	96	..	909	126	196
Russian Federation	2014	14,323	*2,506	25,202	3,089	5,751	191	2,736	2,181	*338
	2015	16,323	*2,938	26,455	3,234	6,246	190	2,347	1,319	*1,333
	2016	15,590	*2,038	25,946	3,720	7,633	178	3,229	1,721	*1,623
	2017	15,318	*1,514	26,485	7,041	6,693	251	3,727	*13	*4,250
Serbia	2014	50	..	351	7	262	..	13	..	158
	2015	57	..	359	9	333	..	14	..	208
	2016	65	..	359	12	333	..	13	..	171
	2017	53	..	441	11	360	..	13	..	197
Slovakia	2014	341	23	385	..	0	..	40	..	262
	2015	541	35	415	..	0	..	58	..	182
	2016	549	0	384	..	..	..	53	..	146
	2017	572	..	472	..	..	..	59	..	153
Spain	2014	1,956	..	304	337	1,917	55	3,744	204	2,455
	2015	2,364	..	1,240	396	2,491	84	3,660	257	2,709
	2016	2,366	..	1,194	409	2,471	95	3,782	265	2,575
	2017	2,346	..	1,368	399	2,483	88	3,823	255	2,338
Sweden	2014	748	..	0	403	895	..	67	..	1,706
	2015	768	..	0	350	945	..	63	..	1,805
	2016	739	..	86	383	961	..	69	..	2,082
	2017	733	..	83	378	870	..	59	..	1,800

Table 23

Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Switzerland	2014	225	..	0	..	..	..	60	..	34
	2015	124	..	0	..	..	..	11	..	40
	2016	123	..	0	..	..	..	0	..	33
	2017	121	..	1	..	..	..	..	..	37
Ukraine	2014	388	..	..	81	118	..	..	..	236
	2015	123	..	..	73	101	..	..	..	247
	2016	26	..	..	90	27	..	..	..	430
	2017	36	..	..	112	37	..	..	..	599
United Kingdom	2014	2,266	..	2,290	373	1,006	0	1,745	165	798
	2015	2,343	..	2,368	350	990	27	1,737	151	1,077
	2016	2,444	..	2,306	350	968	19	1,882	95	1,092
	2017	2,444	..	2,280	443	817	39	1,910	7	1,018
Oceania	2014	1,191	..	745	79	253	..	533	65	206
	2015	1,184	..	578	0	221	..	471	71	221
	2016	1,009	..	850	0	316	..	424	76	231
	2017	1,021	..	739	..	202	..	374	66	170
Australia	2014	912	..	484	79	139	..	533	65	101
	2015	898	..	363	0	119	..	471	71	140
	2016	762	..	341	0	172	..	424	76	141
	2017	757	..	318	..	124	..	374	66	79
New Zealand	2014	279	..	..	..	114	..	..	..	70
	2015	286	..	..	..	102	..	..	..	76
	2016	247	..	..	..	144	..	..	..	75
	2017	264	..	..	..	78	..	..	..	75
Papua New Guinea	2014	..	..	261	..	..	..	..	..	35
	2015	..	..	215	..	..	..	..	..	5
	2016	..	..	509	..	..	..	..	..	15
	2017	..	..	*421	..	..	..	..	..	*16

Production of oil products from refineries – by type

Thousand metric tons

Table Notes

Production comprises all refinery output of all oil products.

The **Jet fuels** column comprises aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

The **Other products** column includes bitumen, ethane, feedstocks, lubricants, petroleum coke, paraffin waxes, white spirit, and other oil products.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 64: Production of selected oil products from refineries, 1990-2017

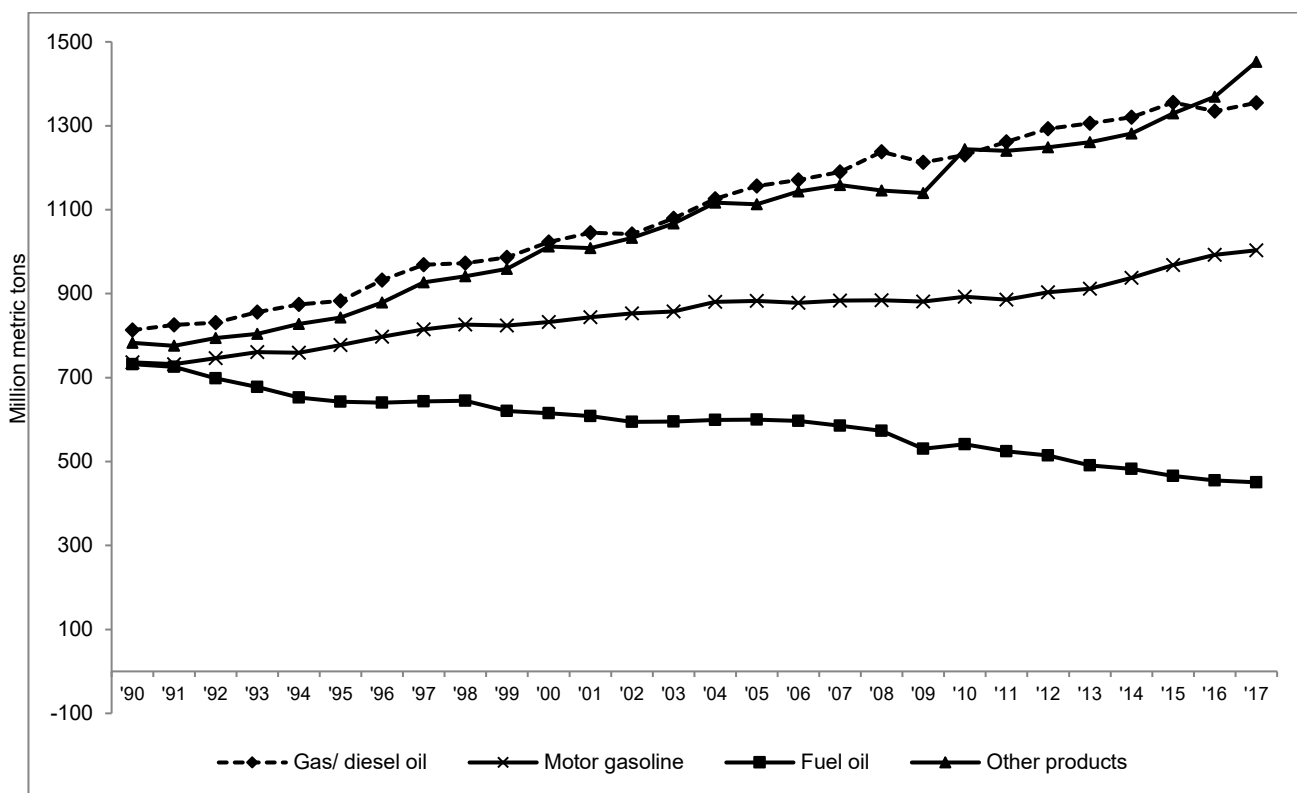


Table 24**Production of oil products from refineries - by type**

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	LPG	Other kerosene	Other products
World	2014	4,022,119	1,320,530	938,013	482,185	259,812	278,282	121,938	117,398	60,185	443,776
	2015	4,118,782	1,355,672	968,222	465,522	269,020	293,777	128,030	119,634	60,578	458,327
	2016	4,151,771	1,334,568	992,391	455,207	278,668	301,301	128,405	128,998	59,332	472,901
	2017	4,231,646	1,354,663	1,003,350	450,527	290,413	311,941	125,283	137,138	56,552	501,779
Africa	2014	107,534	34,479	17,317	25,531	11,961	8,216	1,944	2,402	1,334	4,349
	2015	101,149	32,004	16,610	24,131	10,768	8,339	1,832	2,235	1,130	4,100
	2016	97,057	29,900	17,610	22,551	10,833	7,211	1,387	2,342	1,326	3,897
	2017	95,131	29,464	16,911	21,935	10,110	7,576	1,310	2,207	1,427	4,191
Algeria	2014	31,033	9,027	3,007	6,594	8,721	*1,984	363	804	*17	516
	2015	29,769	8,826	2,798	6,617	8,372	*1,609	350	740	*22	*435
	2016	29,108	8,892	2,613	6,870	7,929	*1,635	..	765	*21	*383
	2017	28,267	8,537	2,547	6,402	8,143	*1,544	..	743	*17	*334
Angola	2014	2,258	532	27	921	190	393	92	31	69	3
	2015	2,076	507	11	802	204	361	*106	22	63	0
	2016	1,788	441	10	703	179	303	*79	19	55	0
	2017	2,434	607	35	995	278	350	74	27	52	16
Cameroon	2014	1,380	535	273	253	..	99	63	12	..	145
	2015	1,613	578	295	273	..	107	68	13	122	157
	2016	1,596	572	292	270	..	106	67	13	121	155
	2017	1,313	471	240	222	..	87	55	11	100	127
Chad	2014	*774	*333	*264	*27	..	*28	..	*59	*4	*59
	2015	*774	*333	*264	*27	..	*28	..	*59	*4	*59
	2016	*677	*291	*231	*24	..	25	..	*52	*4	*52
	2017	*677	*291	*231	*24	..	*25	..	*52	*4	*52
Congo	2014	794	270	78	332	10	60	..	8	20	16
	2015	688	219	68	329	8	38	..	7	7	12
	2016	649	168	56	325	8	45	..	7	10	30
	2017	716	214	64	358	9	37	..	8	7	19
Côte d'Ivoire	2014	3,112	1,192	548	396	..	683	25	15	54	199
	2015	3,172	1,169	641	311	..	861	25	9	9	147
	2016	3,186	1,237	693	317	..	634	25	16	..	265
	2017	*3,064	*1,222	*888	*313	..	*327	19	*10	..	285
Egypt	2014	25,268	7,630	4,377	8,046	1,221	1,721	132	557	41	1,543
	2015	25,595	7,885	4,487	7,899	1,025	2,011	130	573	62	1,523
	2016	25,052	7,183	4,536	7,567	1,790	1,790	*125	540	63	*1,458
	2017	23,888	7,403	4,453	7,354	450	1,909	136	533	65	1,585
Gabon	2014	814	223	68	411	..	60	..	13	27	12
	2015	801	221	72	395	..	61	..	13	27	12
	2016	804	222	72	397	..	61	..	13	27	12
	2017	804	222	72	397	..	61	..	13	27	12
Ghana	2014	129	28	40	44	..	9	..	3	5	..
	2015	89	28	32	9	..	18	..	2	0	..
	2016	739	255	244	64	..	38	..	114	25	..
	2017	16	6	7	1	..	0	..	0	2	..
Libya	2014	4,896	1,278	516	1,754	682	439	99	51	47	30
	2015	4,326	1,003	497	1,767	539	316	87	44	46	27
	2016	4,025	917	399	1,827	518	182	81	30	46	25
	2017	4,791	1,332	470	1,673	667	436	97	43	43	30
Morocco	2014	6,581	2,275	331	1,656	494	906	174	99	..	646
	2015	3,127	1,139	186	553	204	412	90	29	..	514
	2016	0	0	0	0	0	0	0	0	..	0
	2017	..	..	..	..	..	..	..	..	..	..

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	LPG	Other kerosene	Other products
Niger	2014	744	452	235	..	..	..	..	57	..	..
	2015	565	348	174	..	..	..	..	44	..	..
	2016	572	352	184	..	..	..	..	35	..	..
	2017	*795	*520	228	..	..	..	..	47	..	..
Nigeria	2014	3,336	647	542	959	224	47	84	72	500	261
	2015	1,618	294	261	406	29	15	52	39	204	318
	2016	3,351	685	931	577	82	41	77	66	401	491
	2017	4,379	900	675	994	342	54	101	79	502	732
Senegal	2014	654	352	52	158	57	19	13	3	..	..
	2015	1,012	553	101	233	81	18	21	5	..	..
	2016	1,124	629	116	266	87	0	23	3	..	..
	2017	1,213	679	97	285	124	0	25	3	..	..
South Africa	2014	19,734	6,969	5,796	3,124	..	1,625	864	259	446	651
	2015	20,161	6,233	5,583	3,791	..	2,341	869	299	459	586
	2016	18,581	5,404	5,949	2,740	..	2,172	874	269	466	707
	2017	17,771	4,676	5,692	2,474	..	2,638	769	283	519	720
Sudan	2014	3,727	1,736	1,068	205	16	107	21	322	16	236
	2015	3,853	1,839	1,054	208	14	111	21	304	17	285
	2016	4,165	1,960	1,196	135	11	156	24	373	11	299
	2017	3,609	1,797	1,063	51	4	82	20	329	4	258
Tunisia	2014	1,641	634	..	563	346	..	..	27	53	18
	2015	1,305	492	..	430	292	..	..	24	55	12
	2016	1,185	439	22	409	230	..	2	20	53	10
	2017	906	314	79	327	93	..	4	19	59	11
Zambia	2014	659	367	95	88	..	35	14	11	35	14
	2015	605	337	87	81	..	32	13	10	32	13
	2016	455	253	66	61	..	24	10	7	24	10
	2017	488	272	71	65	..	26	10	8	26	10
America, North	2014	978,261	284,854	389,357	54,360	16,473	80,362	21,706	13,606	1,585	115,958
	2015	984,927	287,853	396,955	50,001	15,568	82,173	22,186	12,499	1,704	115,989
	2016	987,253	278,092	407,608	47,767	15,760	84,701	22,224	12,326	1,467	117,307
	2017	993,313	285,090	407,970	48,074	13,135	87,590	20,612	12,483	1,137	117,223
Canada	2014	86,099	30,004	28,325	6,164	3,306	4,165	2,740	1,287	598	9,510
	2015	87,753	30,135	30,167	4,738	3,562	4,294	3,526	1,272	832	9,227
	2016	88,966	29,802	31,772	4,115	3,892	4,578	3,259	1,165	773	9,610
	2017	92,677	32,207	33,229	4,739	1,749	5,661	2,645	1,524	756	10,167
Cuba	2014	4,877	1,124	554	2,315	367	276	27	67	25	123
	2015	4,526	1,030	446	2,233	354	244	19	51	28	122
	2016	2,205	558	185	1,032	232	42	5	36	2	115
	2017	2,632	714	139	1,255	289	68	3	51	3	110
Curaçao	2014	9,574	1,991	1,890	3,505	373	707	208	55	..	845
	2015	9,062	1,853	1,818	3,275	359	658	221	59	..	819
	2016	8,216	1,610	1,788	2,996	353	574	169	45	..	681
	2017	6,792	1,343	1,613	2,384	224	470	143	37	..	578
Dominican Republic	2014	1,278	372	267	367	..	232	15	16	10	..
	2015	764	214	158	234	..	138	9	7	6	..
	2016	1,097	316	229	310	..	204	13	16	9	..
	2017	899	274	189	254	..	154	10	11	6	..
Guatemala	2014	72	38	..	..	..	..	..	..	1	34
	2015	66	39	..	..	..	..	..	..	0	27
	2016	56	42	..	..	..	..	..	..	0	14
	2017	85	47	..	..	..	..	..	..	0	38

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	LPG	Other kerosene	Other products
Jamaica	2014	970	143	115	566	41	82	..	6	..	17
	2015	1,221	145	151	752	36	99	..	7	..	31
	2016	1,094	130	133	677	51	74	..	9	..	20
	2017	1,048	108	143	677	40	50	..	13	..	18
Mexico	2014	61,799	14,569	17,581	14,742	3,646	2,436	3,282	828	..	4,715
	2015	56,815	14,059	15,785	13,500	3,124	2,182	3,193	670	..	4,302
	2016	50,634	11,580	13,563	13,007	3,008	1,958	3,190	541	..	3,787
	2017	44,357	11,165	10,715	12,360	2,441	1,884	2,445	504	..	2,843
Nicaragua	2014	686	213	95	292	..	23	10	10	6	37
	2015	722	191	99	336	..	25	12	13	7	39
	2016	651	133	91	330	..	28	14	18	6	31
	2017	668	164	100	318	..	29	9	20	8	20
Trinidad and Tobago	2014	5,189	831	733	2,589	0	476	55	49	33	423
	2015	6,182	1,550	1,634	2,183	0	553	59	68	34	101
	2016	7,303	2,113	2,052	2,236	0	669	59	62	32	80
	2017	6,388	1,468	1,601	2,345	0	509	52	63	29	321
United States	2014	807,716	235,569	339,796	23,820	8,740	71,966	15,369	11,289	913	100,254
	2015	817,816	238,637	346,697	22,751	8,133	73,980	15,147	10,353	797	101,321
	2016	827,031	231,807	357,795	23,064	8,225	76,575	15,516	10,434	646	102,969
	2017	837,767	237,599	360,241	23,742	8,391	78,766	15,305	10,260	335	103,128
America, South	2014	229,716	77,946	48,691	45,450	5,059	12,195	8,666	6,614	329	24,766
	2015	216,030	75,380	47,162	42,660	4,697	11,325	8,471	6,250	342	19,741
	2016	206,990	71,877	46,075	40,808	3,464	10,590	7,895	6,473	328	19,480
	2017	196,998	66,067	45,995	37,868	3,346	10,665	7,573	6,422	274	18,788
Argentina	2014	26,329	9,481	5,388	4,593	981	1,286	974	1,210	16	2,400
	2015	27,247	10,024	6,157	4,606	921	1,301	1,066	878	15	2,279
	2016	26,363	9,716	6,242	3,923	764	1,298	1,051	1,067	14	2,288
	2017	25,733	9,803	6,576	2,993	727	1,434	1,017	1,004	10	2,169
Bolivia (Plur. State of)	2014	2,636	758	794	411	..	181	77	84	15	316
	2015	2,856	849	800	636	2	191	101	131	16	130
	2016	2,856	790	1,025	264	1	189	129	111	18	329
	2017	3,143	715	1,003	192	1	190	135	101	15	791
Brazil	2014	111,078	43,570	21,373	16,010	3,674	4,992	4,953	4,108	10	12,388
	2015	104,248	43,297	19,045	14,087	3,337	4,635	4,870	4,046	6	10,925
	2016	97,217	39,532	19,638	11,424	2,308	4,729	4,445	3,967	6	11,168
	2017	93,083	35,321	19,406	11,646	2,248	5,041	4,549	4,036	5	10,831
Chile	2014	9,617	3,177	2,789	1,185	77	629	211	316	143	1,090
	2015	9,685	3,031	2,823	1,252	121	578	201	305	148	1,226
	2016	9,429	2,907	2,974	1,220	48	556	203	251	161	1,109
	2017	9,648	3,073	3,055	1,170	75	592	211	286	161	1,025
Colombia	2014	13,753	3,078	3,516	4,521	327	1,084	375	361	67	424
	2015	11,462	2,818	3,175	3,114	316	789	371	377	72	431
	2016	14,055	5,069	2,770	3,542	343	982	367	535	66	381
	2017	16,424	6,297	4,008	3,283	295	1,221	363	551	39	367
Ecuador	2014	6,429	1,484	1,070	2,411	..	351	3	93	3	1,015
	2015	6,217	1,461	911	2,439	..	349	2	45	3	1,008
	2016	7,695	1,907	1,495	2,873	..	342	2	155	2	920
	2017	7,759	1,902	1,410	2,968	..	393	2	157	4	923
Peru	2014	8,280	3,525	1,465	1,681	..	747	162	192	..	508
	2015	8,252	3,412	1,642	1,972	..	620	149	195	..	262
	2016	8,561	3,112	1,796	2,432	..	639	137	206	..	239
	2017	9,373	2,998	1,872	3,258	..	620	151	200	..	274

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	LPG	Other kerosene	Other products
Suriname	2014	216	31	..	183	..	..	..	..	..	2
	2015	433	20	2	405	..	..	..	..	..	5
	2016	536	200	35	296	..	..	..	..	..	5
	2017	674	284	64	321	..	..	..	..	..	5
Uruguay	2014	1,885	760	462	356	..	84	61	81	7	76
	2015	1,857	745	470	313	..	94	63	80	6	84
	2016	2,056	767	535	385	..	114	73	96	7	79
	2017	561	191	149	105	..	31	21	22	5	36
Venezuela (Bolivar. Rep.)	2014	49,492	12,082	11,835	14,100	..	2,841	1,849	170	68	6,547
	2015	43,773	9,724	12,137	13,836	..	2,768	1,648	193	76	3,391
	2016	38,222	7,878	9,565	14,448	..	1,741	1,488	86	54	2,962
	2017	30,601	5,484	8,452	11,931	..	1,143	1,124	65	35	2,367
Asia	2014	1,732,154	567,308	307,463	195,516	162,825	125,443	52,525	58,327	44,609	218,138
	2015	1,820,779	596,852	328,599	189,724	170,189	140,204	54,936	61,698	44,339	234,238
	2016	1,886,508	602,051	342,931	197,920	180,692	148,399	57,635	67,446	43,751	245,681
	2017	1,962,437	617,479	355,683	204,781	189,726	156,287	56,559	69,526	40,871	271,523
Azerbaijan	2014	6,489	2,946	1,238	207	206	709	246	184	..	753
	2015	6,346	2,804	1,224	324	193	689	216	157	..	739
	2016	5,793	2,315	1,153	399	174	627	231	186	..	708
	2017	5,512	1,849	1,215	236	169	588	214	200	..	1,041
Bahrain	2014	13,360	4,083	753	2,158	1,913	2,993	..	104	0	1,356
	2015	13,446	4,210	821	2,181	1,639	3,323	..	159	0	1,113
	2016	13,003	3,997	784	2,484	1,565	3,175	..	162	0	836
	2017	13,232	4,184	744	2,750	1,494	3,116	..	149	0	795
Bangladesh	2014	1,216	362	59	302	132	1	12	11	231	106
	2015	1,247	389	17	299	162	1	13	11	245	110
	2016	1,174	333	26	363	132	1	13	10	194	102
	2017	1,432	407	32	443	161	1	16	12	237	123
Brunei Darussalam	2014	381	113	118	72	..	58	14	..	6	..
	2015	468	141	156	80	..	71	14	..	6	..
	2016	315	114	92	39	..	51	13	..	6	..
	2017	232	104	73	..	..	46	3	..	6	..
China	2014	564,104	176,353	109,574	35,417	43,892	30,532	17,580	27,058	1,003	122,696
	2015	603,236	180,079	120,251	39,630	45,850	35,443	18,537	29,344	1,928	132,174
	2016	633,757	179,177	128,465	42,369	50,324	39,081	18,923	35,039	1,613	138,767
	2017	678,284	186,679	133,934	45,635	54,639	41,797	19,825	36,625	1,442	157,708
Georgia	2014	0	..	0	..	..	..	..	..	0	..
	2015	12	5	0	5	..	..	..	..	0	2
	2016	25	9	7	8	..	..	..	..	0	..
	2017	24	10	2	9	3	..	..	..	..	..
India	2014	231,555	94,428	32,325	11,919	17,391	11,103	*10,774	9,840	7,559	36,216
	2015	243,139	98,588	35,321	9,727	17,861	11,789	*11,643	10,568	7,504	40,138
	2016	253,122	103,113	36,593	9,962	17,607	*13,828	*12,268	10,968	6,041	42,742
	2017	260,900	108,466	37,784	9,486	18,786	14,594	*9,825	10,170	4,408	47,381
Indonesia	2014	38,293	16,246	8,891	*2,069	1,840	2,274	759	759	957	4,498
	2015	36,947	16,159	9,022	1,224	1,406	2,553	632	700	656	4,595
	2016	37,793	16,186	10,297	1,305	1,371	2,599	655	892	843	3,645
	2017	38,923	16,723	9,473	1,027	1,565	2,613	673	871	788	5,190
Iran (Islamic Rep. of)	2014	90,427	30,501	16,419	23,572	3,321	1,260	2,025	2,997	3,196	7,137
	2015	86,097	29,387	16,338	21,747	2,475	1,741	1,898	3,191	2,349	6,970
	2016	83,893	27,614	15,270	21,842	3,602	1,517	1,534	2,194	2,523	7,797
	2017	86,871	28,274	17,567	21,974	3,000	1,592	1,581	2,171	2,820	7,892

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	LPG	Other kerosene	Other products
Iraq	2014	23,931	5,099	2,413	13,268	480	215	160	145	1,398	753
	2015	19,694	3,539	1,853	11,964	439	197	133	25	1,222	322
	2016	20,404	3,287	2,117	12,774	480	211	137	116	1,148	134
	2017	23,921	4,012	2,483	14,573	571	247	164	173	1,396	302
Israel	2014	14,753	5,382	2,993	2,410	1,270	820	527	436	346	569
	2015	14,806	5,187	3,012	2,680	1,186	868	627	381	264	601
	2016	14,009	4,411	2,927	2,715	1,095	934	653	354	283	637
	2017	13,584	4,517	2,614	2,596	1,176	1,081	573	358	..	669
Japan	2014	161,949	45,670	39,365	18,200	13,404	12,054	6,849	4,242	13,237	8,928
	2015	162,719	45,823	40,291	17,047	13,986	12,334	7,220	4,320	12,824	8,874
	2016	163,395	45,582	39,513	17,777	14,656	12,461	7,157	4,210	12,863	9,176
	2017	157,862	45,619	39,157	15,342	13,175	11,500	7,111	4,475	12,796	8,687
Jordan	2014	3,075	931	634	812	..	326	32	91	63	187
	2015	3,258	1,050	643	887	..	262	*40	79	90	208
	2016	2,843	901	574	600	..	291	*36	80	95	266
	2017	2,676	845	557	569	..	287	*33	78	55	253
Kazakhstan	2014	14,544	5,282	3,023	3,877	..	302	111	955	114	880
	2015	13,358	4,487	2,864	3,900	..	280	111	827	33	856
	2016	12,827	4,652	2,938	3,100	..	*264	111	*844	2	916
	2017	13,595	4,352	3,055	3,365	..	302	161	1,077	0	1,283
Korea, Dem.Ppl's.Rep.	2014	515	191	178	109	..	..	..	..	37	..
	2015	515	191	178	109	..	..	..	..	37	..
	2016	515	191	178	109	..	..	..	..	37	..
	2017	515	191	178	109	..	..	..	..	37	..
Korea, Republic of	2014	128,633	42,111	16,359	8,133	25,658	17,053	4,077	2,099	2,330	10,813
	2015	139,689	45,099	17,729	8,433	29,404	19,135	4,499	2,187	2,590	10,613
	2016	146,029	45,831	17,266	10,383	31,503	20,277	4,566	2,244	2,716	11,243
	2017	153,142	46,583	18,343	9,874	35,356	21,944	3,831	2,773	2,722	11,716
Kuwait	2014	41,626	10,806	2,455	10,204	8,393	2,438	391	140	6,145	654
	2015	42,161	10,294	2,041	11,197	8,470	2,540	401	147	6,403	668
	2016	37,809	9,425	2,405	10,002	7,120	2,184	371	164	5,505	633
	2017	32,547	8,397	2,059	8,642	6,095	1,796	304	189	4,527	538
Kyrgyzstan	2014	144	30	63	51	..	..	..	..	..	..
	2015	320	56	115	136	..	..	..	13	..	..
	2016	379	106	171	75	..	..	..	27	..	..
	2017	431	89	235	63	..	..	..	44	..	..
Malaysia	2014	23,519	9,575	4,681	2,359	1,787	2,824	189	1,012	97	995
	2015	23,684	9,737	4,788	1,706	2,447	2,751	169	717	6	1,363
	2016	24,704	9,833	4,801	1,492	2,744	2,924	198	1,181	4	1,527
	2017	26,469	9,725	7,855	1,739	2,356	3,152	172	764	10	696
Myanmar	2014	521	161	234	61	..	17	30	..	0	18
	2015	515	161	234	61	..	17	24	..	0	18
	2016	394	150	143	67	..	16	..	..	0	19
	2017	406	151	145	78	..	15	..	..	0	17
Oman	2014	10,508	2,633	2,973	3,039	478	617	134	327	4	303
	2015	10,812	2,963	3,061	2,906	485	668	115	323	0	291
	2016	10,876	2,922	3,018	3,173	482	666	93	278	6	238
	2017	11,712	3,331	2,990	2,563	939	923	124	419	4	419
Other Asia	2014	43,275	14,140	7,460	5,880	7,304	3,738	1,199	976	..	2,578
	2015	43,243	13,865	7,872	5,982	7,212	3,831	1,132	936	2	2,411
	2016	43,471	13,641	9,248	5,118	7,074	3,729	1,172	1,108	7	2,374
	2017	44,099	13,339	8,463	4,953	7,667	3,780	1,682	1,018	2	3,195

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	LPG	Other kerosene	Other products
Pakistan	2014	11,977	4,686	1,592	2,964	1,003	799	169	192	174	398
	2015	11,831	4,587	1,590	2,925	914	836	176	174	142	487
	2016	12,276	4,783	1,839	3,054	767	879	190	178	125	462
	2017	13,460	5,501	2,212	3,303	781	914	..	392	115	243
Philippines	2014	7,825	3,058	1,285	1,717	243	768	..	294	59	400
	2015	9,811	4,008	1,983	957	306	926	..	454	61	1,118
	2016	10,089	4,030	2,197	781	256	1,020	..	460	67	1,278
	2017	9,847	3,840	2,153	977	200	913	..	446	53	1,266
Qatar	2014	12,314	2,201	1,976	245	3,556	2,881	63	362	..	1,030
	2015	11,914	2,091	1,583	513	3,775	3,052	60	333	..	507
	2016	12,853	2,081	1,963	225	3,997	3,447	61	339	..	740
	2017	15,261	1,973	1,937	234	5,592	4,683	58	332	..	452
Saudi Arabia	2014	107,431	36,842	18,867	26,378	8,267	3,689	2,570	1,394	6,209	3,215
	2015	119,541	48,637	21,173	24,636	7,872	3,672	*1,975	1,439	6,180	3,957
	2016	130,693	53,224	23,815	25,415	8,674	4,271	*3,291	1,340	*7,251	3,412
	2017	133,342	54,513	23,958	25,689	8,503	4,321	4,300	1,335	*7,336	3,388
Singapore	2014	45,303	10,605	10,518	2,528	2,168	9,596	2,790	317	172	6,609
	2015	46,212	12,829	10,046	2,077	1,856	9,692	2,633	318	312	6,449
	2016	50,852	12,199	9,096	4,279	3,667	10,175	3,155	333	266	7,682
	2017	53,684	10,967	9,108	5,383	4,494	11,864	3,251	224	205	8,188
Sri Lanka	2014	1,686	496	152	641	117	168	15	28	65	3
	2015	1,615	517	154	553	137	155	14	10	75	2
	2016	1,647	583	166	479	144	148	14	9	104	1
	2017	1,636	506	165	494	142	236	13	19	60	1
Syrian Arab Republic	2014	5,391	1,701	448	2,225	445	163	71	56	2	280
	2015	5,391	1,701	448	2,225	445	163	72	56	2	279
	2016	6,018	1,898	500	2,483	496	182	81	63	3	312
	2017	5,805	1,831	482	2,395	478	176	78	61	3	301
Tajikistan	2014	20	4	1	8	*4	..	..	..	..	4
	2015	*22	3	0	5	*12	..	..	..	..	2
	2016	24	5	1	7	*9	..	..	..	..	3
	2017	23	10	1	9	..	..	..	..	..	3
Thailand	2014	54,407	20,709	6,307	5,328	10,890	5,224	512	1,855	868	2,714
	2015	58,895	23,351	7,186	5,374	10,733	5,587	563	1,920	1,071	3,110
	2016	58,277	22,110	7,805	5,326	10,478	5,262	550	1,975	1,756	3,015
	2017	59,620	23,150	8,099	5,526	10,430	5,573	569	2,216	1,557	2,500
Turkey	2014	21,876	6,230	3,953	3,837	304	3,548	791	699	56	2,458
	2015	29,234	8,652	5,113	3,460	273	5,027	1,391	899	58	4,361
	2016	29,605	9,661	5,103	2,835	320	4,504	1,541	972	18	4,651
	2017	31,940	10,478	5,366	2,987	343	4,837	1,354	1,015	19	5,541
Turkmenistan	2014	8,547	2,770	2,610	1,690	..	470	127	360	150	370
	2015	8,550	2,770	2,610	1,690	..	470	130	360	150	370
	2016	8,540	2,770	2,610	1,690	..	470	120	360	150	370
	2017	8,532	2,770	2,610	1,690	..	470	112	360	150	370
United Arab Emirates	2014	30,833	6,246	3,610	2,888	7,737	8,263	218	910	..	961
	2015	41,612	9,194	4,931	2,604	10,432	11,734	411	1,001	..	1,305
	2016	48,923	10,865	5,863	4,732	11,782	12,664	*422	794	..	1,801
	2017	53,364	10,427	6,889	9,608	11,407	12,398	447	1,039	..	1,149
Uzbekistan	2014	*2,906	*1,007	*1,157	198	..	156	91	17	44	236
	2015	*2,820	*982	*1,128	192	..	153	88	16	43	218
	2016	2,773	1,008	1,135	170	..	140	79	15	38	188
	2017	2,731	963	1,106	174	..	*140	*85	*15	*38	*210

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	LPG	Other kerosene	Other products
Viet Nam	2014	6,152	2,892	2,618	139	..	97	..	406	..	..
	2015	6,721	3,068	2,747	138	..	196	..	572	..	..
	2016	6,638	2,855	2,777	138	..	377	..	491	..	..
	2017	5,983	2,481	2,565	136	..	357	..	444	..	..
Yemen	2014	2,667	818	161	612	622	287	..	61	86	20
	2015	899	250	76	151	218	50	..	61	86	7
	2016	769	189	76	151	174	26	..	61	86	6
	2017	840	223	76	151	205	31	..	61	86	7
Europe	2014	939,421	343,133	163,234	160,011	62,750	47,054	35,907	35,676	12,228	79,428
	2015	963,938	351,662	168,054	157,849	67,220	47,187	39,420	36,257	13,013	83,276
	2016	945,200	342,627	168,103	145,047	67,069	46,376	38,255	39,828	12,407	85,488
	2017	955,977	346,773	167,332	136,642	73,357	45,662	38,208	45,968	12,793	89,242
Albania	2014	336	89	..	2	17	..	12	..	..	216
	2015	288	56	..	0	26	..	*12	..	..	194
	2016	183	18	..	1	4	..	*6	..	..	154
	2017	503	158	..	0	40	..	19	..	..	285
Austria	2014	8,920	3,753	1,773	981	976	581	342	65	18	431
	2015	9,138	3,855	1,721	1,154	941	649	282	139	28	369
	2016	8,554	3,581	1,671	898	961	652	218	122	21	430
	2017	8,470	3,750	1,692	839	804	614	262	102	15	392
Belarus	2014	21,973	8,157	3,945	5,865	..	337	769	504	12	2,384
	2015	23,196	8,554	3,925	7,431	..	388	757	472	3	1,666
	2016	18,717	6,768	3,573	5,569	..	329	632	358	5	1,483
	2017	18,471	6,563	3,481	5,112	..	401	617	410	7	1,880
Belgium	2014	35,250	13,369	4,565	5,512	2,569	1,666	819	707	20	6,023
	2015	35,204	13,424	4,906	5,306	2,262	1,686	816	671	28	6,105
	2016	33,631	12,309	4,797	5,349	2,443	1,666	860	697	21	5,489
	2017	35,283	12,843	4,608	7,488	2,319	1,942	916	738	31	4,398
Bosnia and Herzegovina	2014	989	431	152	143	7	..	..	24	..	232
	2015	919	410	130	105	10	..	..	24	..	240
	2016	826	381	140	69	7	..	..	19	..	210
	2017	862	366	142	81	7	..	..	24	..	242
Bulgaria	2014	6,129	1,970	1,600	1,617	249	173	209	98	..	213
	2015	6,681	2,202	1,788	1,654	300	179	263	102	..	193
	2016	6,942	2,745	1,785	1,297	366	207	310	103	..	129
	2017	7,145	3,032	1,848	974	448	265	331	120	..	127
Croatia	2014	2,953	1,063	805	423	31	106	276	189	..	60
	2015	3,342	1,250	843	489	52	105	208	209	..	186
	2016	3,715	1,434	864	601	64	116	155	208	..	273
	2017	3,884	1,492	1,005	577	52	131	185	242	..	200
Czechia	2014	7,822	3,268	1,454	125	847	160	151	208	..	1,609
	2015	7,508	3,174	1,533	169	657	186	156	220	..	1,413
	2016	5,604	2,498	1,179	104	394	60	101	255	..	1,013
	2017	8,183	3,403	1,521	169	840	180	145	358	..	1,567
Denmark	2014	8,624	4,128	2,106	1,836	..	137	299	118	..	..
	2015	8,923	4,300	2,335	1,702	..	144	319	123	..	..
	2016	9,091	4,703	2,098	1,771	..	130	287	102	..	..
	2017	8,758	4,346	2,241	1,625	..	122	306	118	..	..
Finland	2014	14,062	5,896	4,323	1,224	294	542	505	293	..	985
	2015	12,565	5,292	3,575	1,441	220	546	508	241	..	742
	2016	14,308	6,290	4,109	1,554	133	572	592	275	..	783
	2017	14,730	6,306	4,403	1,614	103	755	573	285	..	691

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	LPG	Other kerosene	Other products
France	2014	58,297	24,800	11,084	6,724	4,694	3,761	1,319	1,493	0	4,422
	2015	60,242	25,581	11,227	7,509	5,209	3,874	1,348	1,581	0	3,913
	2016	59,365	24,963	11,214	7,686	4,974	3,790	1,322	1,528	0	3,888
	2017	59,349	24,794	11,304	6,403	5,301	4,258	1,282	1,618	..	4,389
Germany	2014	96,755	41,920	18,856	7,696	7,851	4,862	3,646	2,518	1	9,405
	2015	99,200	43,520	18,945	7,953	7,978	5,178	3,839	2,656	0	9,131
	2016	100,381	43,834	19,674	7,374	7,860	5,317	3,937	2,744	9	9,632
	2017	101,529	43,432	19,806	7,376	7,635	5,347	4,051	3,419	9	10,454
Greece	2014	27,516	9,520	4,649	6,043	1,327	2,237	620	735	1	2,384
	2015	28,427	10,369	4,611	5,676	1,471	2,079	615	703	1	2,902
	2016	30,217	10,701	5,169	6,150	1,657	2,328	662	824	0	2,726
	2017	31,765	10,797	5,291	7,028	1,616	2,431	664	837	0	3,101
Hungary	2014	7,944	3,509	1,089	67	902	191	185	182	..	1,819
	2015	7,473	3,055	1,152	69	904	191	180	164	..	1,758
	2016	7,334	3,009	1,108	39	1,008	199	173	101	..	1,697
	2017	7,149	3,089	1,023	78	862	236	174	99	..	1,588
Ireland	2014	2,710	1,014	489	937	16	..	57	60	137	..
	2015	3,365	1,290	602	1,167	34	..	85	46	141	..
	2016	3,180	1,198	547	1,070	77	..	72	41	175	..
	2017	3,189	1,214	549	1,049	94	..	75	49	159	..
Italy	2014	66,337	29,488	15,419	5,731	2,705	2,269	2,262	1,327	639	6,497
	2015	73,935	31,996	15,790	7,706	2,667	2,115	2,975	1,299	523	8,864
	2016	71,361	30,665	15,106	8,074	2,436	2,047	2,559	1,236	432	8,806
	2017	74,944	29,521	15,679	8,511	6,391	2,218	2,718	1,348	487	8,071
Lithuania	2014	7,943	2,531	2,103	1,475	..	948	290	275	..	321
	2015	8,920	2,908	2,403	1,561	..	1,029	330	307	..	382
	2016	9,790	3,118	2,615	1,840	..	1,082	346	345	..	444
	2017	10,020	3,332	2,738	1,688	..	1,059	352	363	..	488
Netherlands	2014	56,579	20,716	6,334	8,501	7,144	7,003	2,052	1,632	382	2,815
	2015	59,091	22,067	5,419	8,401	8,567	7,503	2,277	1,745	549	2,563
	2016	60,097	19,096	3,902	11,961	10,159	7,556	2,243	1,650	730	2,800
	2017	59,665	19,148	2,951	11,684	10,993	7,654	2,099	1,557	398	3,181
North Macedonia	2014	1	0	1	0	..	0	..	0	..	..
	2015	0	0	0	0	..	0	..	0	..	..
	2016	0	0	0	0	..	0	..	0	..	..
	2017	0	0	0	0	..	..	..	0	..	..
Norway	2014	14,744	6,366	3,309	1,688	1,572	595	426	366	20	402
	2015	16,428	6,641	4,004	1,790	1,705	840	466	462	27	493
	2016	13,014	4,984	3,766	1,290	1,111	533	420	419	18	473
	2017	16,465	6,761	4,609	1,545	1,236	763	482	478	87	504
Poland	2014	24,821	10,616	3,627	3,659	1,557	1,156	603	560	0	3,043
	2015	27,502	11,757	3,939	3,869	1,919	1,096	594	575	0	3,753
	2016	27,027	11,558	3,947	3,609	1,810	1,183	663	601	0	3,656
	2017	26,692	11,884	3,916	3,436	1,935	1,119	542	545	..	3,315
Portugal	2014	12,662	4,865	1,924	2,498	1,180	976	19	198	0	1,002
	2015	15,092	6,104	2,694	2,498	1,179	1,160	13	175	0	1,269
	2016	14,915	5,695	2,619	2,675	1,146	1,237	8	240	0	1,295
	2017	15,478	5,935	2,749	2,645	1,321	1,361	9	214	..	1,244
Republic of Moldova	2014	18	1	..	16	..	..	..	..	..	1
	2015	11	0	..	11	..	..	..	..	..	0
	2016	16	2	..	13	..	..	..	..	..	1
	2017	15	1	..	11	..	..	..	..	..	3

Table 24

Production of oil products from refineries - by type

Thousand metric tons

Country or area	Year	Total	Gas/ diesel oil	Motor gasoline	Fuel oil	Naphtha	Jet fuels	Refinery gas	LPG	Other kerosene	Other products
Romania	2014	11,666	5,170	2,998	321	280	372	749	560	8	1,208
	2015	11,530	5,116	2,982	308	282	400	734	567	11	1,130
	2016	12,194	5,437	3,405	218	184	398	787	597	10	1,158
	2017	12,461	5,655	3,285	182	230	381	783	617	1	1,327
Russian Federation	2014	286,505	77,001	38,935	82,109	25,202	13,699	14,323	18,227	*217	16,792
	2015	282,886	76,004	39,235	75,957	26,455	12,298	16,323	18,622	*385	17,607
	2016	273,944	76,249	40,004	61,426	25,946	*12,030	15,590	22,259	*298	20,142
	2017	269,420	76,823	38,027	52,476	26,485	8,945	15,318	27,605	*252	23,489
Serbia	2014	3,110	1,172	464	366	351	109	50	158	..	440
	2015	3,382	1,279	484	355	359	108	57	176	..	564
	2016	3,435	1,322	482	389	359	123	65	166	..	529
	2017	3,638	1,401	499	380	441	155	53	127	..	582
Slovakia	2014	5,725	2,660	1,291	489	385	78	341	155	1	325
	2015	6,437	2,976	1,485	471	415	92	541	181	1	275
	2016	6,214	2,852	1,485	470	384	99	549	176	0	199
	2017	6,119	2,852	1,395	363	472	76	572	177	..	212
Spain	2014	60,290	27,110	7,275	4,482	304	197	1,956	1,575	8,679	8,712
	2015	64,967	27,467	9,105	3,984	1,240	226	2,364	1,699	9,285	9,597
	2016	64,893	26,644	9,555	5,109	1,194	214	2,366	1,541	8,673	9,597
	2017	65,766	27,143	9,101	5,532	1,368	189	2,346	1,401	9,300	9,386
Sweden	2014	19,799	7,325	4,823	3,161	0	248	748	423	..	3,071
	2015	20,667	8,000	4,992	3,167	0	104	768	473	..	3,163
	2016	20,411	7,428	4,906	3,203	86	73	739	481	..	3,495
	2017	20,132	8,082	4,674	3,010	83	22	733	421	..	3,107
Switzerland	2014	4,940	2,618	1,420	394	0	16	225	173	..	94
	2015	2,837	1,542	692	314	0	38	124	76	..	51
	2016	3,005	1,693	690	319	0	43	123	104	..	33
	2017	2,877	1,666	648	290	1	7	121	107	..	37
Ukraine	2014	3,323	832	712	516	..	..	388	440	..	435
	2015	2,849	786	643	535	..	..	123	341	..	421
	2016	2,851	929	*350	590	..	..	26	409	..	547
	2017	3,050	680	731	444	..	..	36	411	..	748
United Kingdom	2014	60,678	21,775	15,709	5,410	2,290	4,635	2,266	2,413	2,093	4,087
	2015	60,933	20,687	16,894	5,097	2,368	4,973	2,343	2,208	2,031	4,332
	2016	59,985	20,523	17,343	4,329	2,306	4,392	2,444	2,227	2,015	4,406
	2017	59,965	20,303	17,416	4,032	2,280	5,031	2,444	2,178	2,047	4,234
Oceania	2014	35,034	12,808	11,951	1,318	745	5,012	1,191	772	101	1,136
	2015	31,959	11,921	10,841	1,157	578	4,548	1,184	694	50	984
	2016	28,764	10,022	10,064	1,114	850	4,024	1,009	582	52	1,047
	2017	27,791	9,790	9,459	1,228	739	4,160	1,021	532	50	812
Australia	2014	28,863	10,417	10,679	645	484	4,044	912	760	5	917
	2015	25,716	9,514	9,397	602	363	3,445	898	689	7	801
	2016	21,873	7,525	8,579	516	341	2,759	762	569	9	813
	2017	21,134	7,275	8,131	644	318	2,841	757	518	7	643
New Zealand	2014	5,208	1,996	1,269	512	..	968	279	..	..	184
	2015	5,612	2,150	1,444	485	..	1,069	286	..	..	178
	2016	5,522	1,949	1,485	463	..	1,159	247	..	..	219
	2017	5,343	1,942	1,328	435	..	1,221	264	..	..	153
Papua New Guinea	2014	963	395	3	161	261	0	..	12	96	35
	2015	631	257	0	70	215	34	..	5	43	5
	2016	1,369	548	0	135	509	106	..	13	43	15
	2017	*1,314	*573	0	*149	*421	*98	..	*14	*43	*16

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Table Notes

Production refers to the production from refineries and plants of all oil products, together with quantities from other sources which include any blended biofuels.

Imports, Exports, Bunkers and Changes in stocks refer to all oil products.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 65: Production of oil products by region, 1990-2017

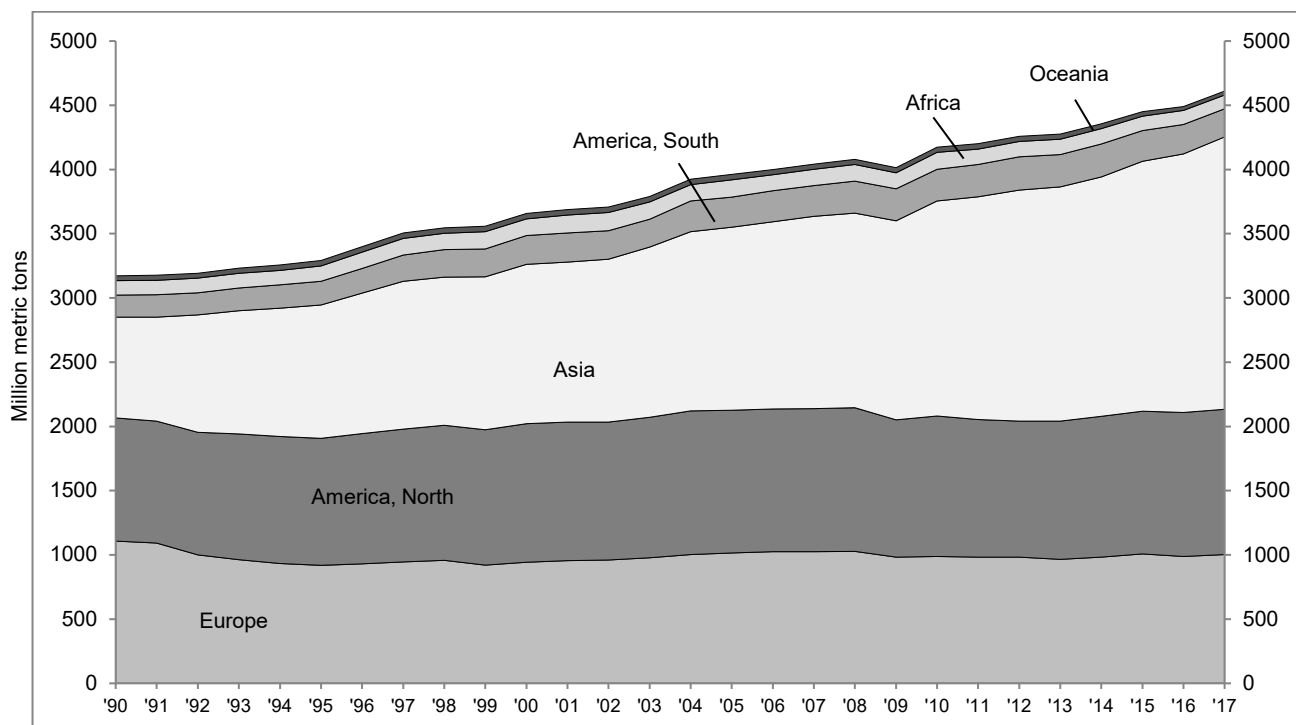


Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
World	2014	4,354,068	1,253,217	1,281,524	356,096	16,528	3,953,136	542
	2015	4,449,937	1,329,358	1,366,676	368,569	18,639	4,025,410	546
	2016	4,490,844	1,374,508	1,463,561	378,097	10,914	4,012,781	538
	2017	4,582,011	1,420,319	1,489,508	397,303	2,366	4,113,153	545
Africa	2014	119,569	120,468	47,846	12,623	1,339	178,230	154
	2015	113,143	117,918	44,120	12,798	-171	174,314	147
	2016	108,988	117,949	39,358	12,511	479	174,589	143
	2017	107,731	124,972	37,701	12,888	37	182,076	146
Algeria	2014	39,573	3,073	23,893	680	111	17,962	459
	2015	38,500	3,961	23,854	731	-56	17,932	450
	2016	37,802	3,578	23,315	*616	51	17,398	428
	2017	36,792	3,460	22,627	*591	-139	17,173	416
Angola	2014	2,778	5,575	1,020	595	-20	6,758	251
	2015	2,619	5,188	1,333	624	35	5,815	209
	2016	2,320	5,264	1,520	506	*85	5,473	190
	2017	3,634	4,937	1,092	642	..	6,837	230
Benin	2014	..	1,588	79	..	45	1,464	142
	2015	..	1,684	..	36	-51	1,699	161
	2016	..	1,945	..	33	48	1,864	171
	2017	..	2,054	..	30	-34	2,058	184
Botswana	2014	..	1,009	..	11	..	998	460
	2015	..	850	..	*9	..	840	380
	2016	..	930	..	11	..	919	408
	2017	..	946	..	11	..	935	408
Burkina Faso	2014	..	898	..	33	*-35	900	51
	2015	..	1,161	..	31	*88	1,042	58
	2016	..	944	..	22	-142	1,064	57
	2017	..	1,183	..	27	*-89	1,245	65
Burundi	2014	..	129	..	4	-1	125	13
	2015	..	132	..	3	0	129	13
	2016	..	145	..	2	0	144	14
	2017	..	*171	..	4	0	*167	*15
Cabo Verde	2014	..	284	..	123	..	161	307
	2015	..	*282	..	*119	..	*163	*306
	2016	..	*297	..	*120	..	*177	*328
	2017	..	*319	..	*128	..	*191	*349
Cameroon	2014	1,380	639	375	101	0	1,543	69
	2015	1,613	665	380	97	-15	1,816	80
	2016	1,596	687	385	21	-10	1,887	81
	2017	1,313	707	361	17	-10	1,652	69
Central African Rep.	2014	..	*129	..	*34	..	*96	*21
	2015	..	*130	..	*34	..	*97	*21
	2016	..	*132	..	*34	..	*98	*21
	2017	..	*133	..	*35	..	*99	*21
Chad	2014	*774	*4	*487	*18	..	*273	*20
	2015	*774	*3	*481	*18	..	*278	*20
	2016	*677	*3	*382	*18	..	*280	*19
	2017	*677	*3	*381	*18	..	*281	*19
Comoros	2014	..	*54	..	*3	..	*51	*67
	2015	..	*58	..	*3	..	*55	*71
	2016	..	*69	..	*4	..	*65	*82
	2017	..	*82	..	*4	..	*78	*95

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Congo	2014	794	321	332	40	0	743	153
	2015	688	373	325	50	0	686	137
	2016	649	381	325	41	0	664	130
	2017	716	199	343	31	..	541	103
Côte d'Ivoire	2014	3,114	221	1,512	112	-58	1,769	79
	2015	3,177	267	1,475	197	-150	1,922	83
	2016	3,192	1,232	1,392	238	0	2,793	118
	2017	*3,070	1,332	*1,097	*241	-17	*3,081	*127
Dem. Rep. of the Congo	2014	..	1,697	..	226	..	1,471	20
	2015	..	985	..	122	..	863	11
	2016	..	743	..	115	..	628	8
	2017	..	814	..	117	..	697	9
Djibouti	2014	..	235	..	109	*21	105	115
	2015	..	254	..	109	17	128	138
	2016	..	231	..	100	*15	116	123
	2017	..	220	..	*100	*11	110	115
Egypt	2014	26,730	14,843	1,563	828	232	38,950	424
	2015	26,961	15,709	2,293	687	-28	39,718	424
	2016	26,364	15,475	1,529	477	-25	39,858	417
	2017	25,118	14,297	1,428	631	35	37,321	383
Equatorial Guinea	2014	587	*288	590	*43	*-28	270	239
	2015	542	*297	553	*45	*-37	278	237
	2016	605	*306	604	*47	*-26	286	234
	2017	660	*319	656	49	-21	296	234
Eritrea	2014	..	195	..	10	..	185	56
	2015	..	194	..	5	..	189	57
	2016	..	202	..	10	..	192	57
	2017	..	210	..	8	..	202	59
Eswatini	2014	..	239	..	*1	..	238	217
	2015	..	246	..	*1	..	246	223
	2016	..	274	..	1	..	273	245
	2017	..	272	..	*1	..	271	241
Ethiopia	2014	..	3,375	..	429	-24	2,970	31
	2015	..	3,410	..	455	25	2,930	29
	2016	..	3,847	..	559	-8	3,296	32
	2017	..	4,235	..	603	..	3,632	35
Gabon	2014	814	517	269	236	..	826	440
	2015	801	502	246	248	..	809	419
	2016	804	502	246	246	..	814	411
	2017	804	494	259	223	..	816	403
Gambia	2014	..	180	*2	*14	..	164	86
	2015	..	*184	*2	*14	..	*169	*85
	2016	..	*186	*2	*14	..	*170	*84
	2017	..	*189	*2	*14	..	*173	*82
Ghana	2014	129	3,470	10	124	76	3,388	126
	2015	89	3,726	10	108	-2	3,699	134
	2016	739	3,712	537	129	0	3,785	134
	2017	130	3,809	468	249	59	3,162	110
Guinea	2014	..	784	..	*25	..	759	64
	2015	..	873	..	*25	..	847	70
	2016	..	954	..	*26	..	929	75
	2017	..	*1,000	..	*26	..	*974	*77

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Guinea-Bissau	2014	..	*123	..	*12	..	*111	*64
	2015	..	*127	..	*12	..	*115	*65
	2016	..	*133	..	*13	..	*120	*66
	2017	..	*134	..	*13	..	*121	*65
Kenya	2014	0	13,326	9,715	227	0	3,385	74
	2015	0	9,677	5,323	305	-82	4,131	87
	2016	0	6,830	1,759	705	0	4,367	90
	2017	0	6,638	1,669	770	0	4,199	84
Lesotho	2014	1	188	..	0	..	189	88
	2015	2	204	..	0	..	206	95
	2016	3	216	..	0	..	218	99
	2017	3	270	..	0	..	273	122
Liberia	2014	..	376	..	*17	..	359	82
	2015	..	376	..	*14	..	363	81
	2016	..	*435	..	*16	..	*419	*91
	2017	..	*384	..	*12	..	*372	*79
Libya	2014	5,667	7,797	1,021	192	0	12,251	1,975
	2015	4,970	6,560	1,133	134	..	10,263	1,646
	2016	4,664	5,830	1,077	138	..	9,279	1,474
	2017	5,529	5,651	1,375	276	..	9,529	1,495
Madagascar	2014	..	710	..	*41	*-19	687	29
	2015	..	855	..	*41	0	814	34
	2016	..	851	..	*47	*5	799	32
	2017	..	879	..	44	*11	825	32
Malawi	2014	..	247	..	*5	..	242	14
	2015	..	271	..	*6	..	265	15
	2016	..	317	..	*6	..	311	17
	2017	..	363	..	*7	..	356	19
Mali	2014	..	*909	..	*45	..	*864	*51
	2015	..	*976	..	*47	..	*929	*53
	2016	..	*980	..	*47	..	*933	*52
	2017	..	*985	..	*47	..	*938	*51
Mauritania	2014	..	842	..	21	..	821	202
	2015	..	*965	..	*16	..	*949	*227
	2016	..	*924	..	*16	..	*908	*211
	2017	..	1,249	..	*14	..	1,236	280
Mauritius	2014	..	1,178	..	410	-63	831	661
	2015	..	1,281	..	425	15	841	668
	2016	..	1,468	*91	479	26	873	691
	2017	..	1,649	..	624	108	917	725
Morocco	2014	6,593	9,713	1,155	743	1,354	13,054	375
	2015	3,155	10,773	438	767	528	12,195	345
	2016	0	12,524	12	779	-85	11,818	330
	2017	..	13,392	..	815	66	12,511	345
Mozambique	2014	..	1,910	..	120	-10	1,800	66
	2015	..	1,171	..	*45	-21	1,146	41
	2016	..	1,941	..	*46	*63	1,832	64
	2017	..	2,148	..	38	179	1,931	65
Namibia	2014	..	1,142	4	36	..	1,102	465
	2015	..	1,217	4	38	..	1,175	484
	2016	..	1,273	4	38	..	1,231	496
	2017	..	1,258	4	37	..	1,217	480

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Niger	2014	744	56	*278	31	*21	470	25
	2015	565	109	*239	41	*18	376	19
	2016	572	71	296	45	*-92	393	19
	2017	*795	93	*362	*45	*21	*459	*21
Nigeria	2014	3,336	19,433	557	679	-230	21,763	123
	2015	1,618	16,368	121	714	-537	17,688	98
	2016	3,351	18,786	251	737	664	20,485	110
	2017	4,379	22,268	853	726	-117	25,185	132
Rwanda	2014	..	280	..	*20	..	260	23
	2015	..	310	..	*23	..	287	25
	2016	..	312	..	*22	..	290	24
	2017	..	325	..	*28	..	297	24
Sao Tome and Principe	2014	..	*46	..	*10	..	*36	*189
	2015	..	*48	..	*10	..	*38	*192
	2016	..	*50	..	*11	..	*39	*196
	2017	..	*52	..	*11	..	*41	*200
Senegal	2014	654	2,095	725	285	-56	1,795	123
	2015	1,012	2,230	780	396	-23	2,089	139
	2016	1,124	2,119	857	351	-84	2,119	137
	2017	1,213	1,272	263	338	0	1,884	119
Seychelles	2014	..	343	..	*183	..	160	1,713
	2015	..	355	..	*197	..	158	1,688
	2016	..	395	..	*200	..	195	2,074
	2017	..	412	..	220	..	192	2,031
Sierra Leone	2014	..	378	..	*2	..	377	53
	2015	..	*302	..	*1	..	*301	*42
	2016	..	*313	..	*4	..	*309	*42
	2017	..	*316	..	*5	..	*311	*41
Somalia	2014	..	*276	..	70	..	*206	*15
	2015	..	*276	..	70	..	*206	*15
	2016	..	*279	..	71	..	*208	*15
	2017	..	*279	..	71	..	*208	*14
South Africa	2014	19,734	7,733	3,245	4,758	..	19,464	357
	2015	20,161	9,508	4,338	4,894	..	20,437	370
	2016	18,581	7,298	4,018	4,462	..	17,399	311
	2017	17,771	9,587	3,895	4,023	..	19,440	343
South Sudan	2014	..	511	..	37	..	474	45
	2015	..	623	..	58	..	565	53
	2016	..	553	..	61	..	492	45
	2017	..	477	..	62	..	415	38
St. Helena and Depend.	2014	..	*3	..	..	..	*3	*587
	2015	..	*3	..	..	..	*3	*528
	2016	..	*3	..	..	..	*3	*520
	2017	..	*3	..	..	..	*3	*549
Sudan	2014	3,727	1,656	158	*180	..	5,045	134
	2015	3,853	1,704	96	*153	..	5,309	137
	2016	4,165	1,516	147	*182	0	5,352	135
	2017	3,609	2,447	122	*161	..	5,773	142
Togo	2014	..	648	..	96	-15	567	78
	2015	..	655	..	101	-36	590	80
	2016	..	850	..	107	..	743	98
	2017	..	842	..	111	..	731	94

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Tunisia	2014	1,781	3,539	835	279	39	4,167	374
	2015	1,437	4,168	680	205	141	4,580	406
	2016	1,325	3,922	600	217	-7	4,437	389
	2017	1,029	4,186	430	258	-25	4,552	395
Uganda	2014	..	1,335	..	115	..	1,220	31
	2015	..	1,463	..	83	..	1,380	34
	2016	..	1,562	..	98	..	1,464	35
	2017	..	1,704	..	102	..	1,602	37
United Rep. of Tanzania	2014	..	2,295	..	159	..	2,136	41
	2015	..	2,511	..	160	..	2,351	44
	2016	..	2,465	..	142	..	2,323	42
	2017	..	2,417	..	146	..	2,271	40
Zambia	2014	659	382	21	39	..	981	63
	2015	605	467	17	44	..	1,011	63
	2016	455	595	10	38	..	1,002	60
	2017	488	755	14	26	..	1,203	70
Zimbabwe	2014	..	1,252	..	13	..	1,239	91
	2015	..	1,232	..	27	..	1,205	87
	2016	..	1,101	..	46	..	1,055	75
	2017	..	1,153	..	61	..	1,092	77
America, North	2014	1,095,467	167,880	219,805	51,875	5,789	985,879	1,743
	2015	1,111,401	181,953	233,064	53,934	5,030	1,001,326	1,754
	2016	1,119,737	195,414	243,693	58,691	-599	1,013,366	1,759
	2017	1,132,723	202,996	264,831	63,189	-4,304	1,012,003	1,742
Anguilla	2014	..	*45	..	..	..	*45	*3,112
	2015	..	*50	..	..	..	*50	*3,429
	2016	..	*50	..	..	..	*50	*3,393
	2017	..	*46	..	..	..	*46	*3,079
Antigua and Barbuda	2014	..	*228	*4	*67	..	*157	*1,585
	2015	..	*233	*4	*68	..	*161	*1,611
	2016	..	*237	*4	*69	..	*164	*1,627
	2017	..	*237	*4	*69	..	*164	*1,611
Aruba	2014	0	*380	0	*94	..	*286	*2,754
	2015	0	*389	0	*96	..	*293	*2,810
	2016	0	*384	0	*96	..	*288	*2,748
	2017	..	*399	..	*100	..	*299	*2,840
Bahamas	2014	..	892	*1	*211	*-100	779	2,039
	2015	..	*608	1	*161	*-225	*671	*1,736
	2016	..	360	0	*68	*-300	*592	*1,513
	2017	..	647	*1	*121	*-125	651	1,646
Barbados	2014	..	496	..	*126	-8	378	1,334
	2015	..	525	..	*126	22	377	1,325
	2016	..	527	..	*121	22	384	1,348
	2017	..	492	..	*133	13	346	1,211
Belize	2014	1	153	..	12	..	142	403
	2015	1	210	..	12	..	199	554
	2016	1	202	..	15	..	188	513
	2017	1	202	..	15	..	188	503
Bermuda	2014	..	265	..	*25	*23	218	3,493
	2015	..	185	..	*23	-17	179	2,880
	2016	..	216	..	*24	-10	202	3,279
	2017	..	248	..	*26	*15	207	3,378

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Bonaire, St Eustatius, Saba	2014	..	*342	..	*222	..	*120	*4,994
	2015	..	*346	..	*224	..	*122	*4,957
	2016	..	*350	..	*226	..	*124	*4,956
	2017	..	*356	..	*230	..	*126	*4,941
British Virgin Islands	2014	..	*69	..	..	..	*69	*2,315
	2015	..	*69	..	..	..	*69	*2,275
	2016	..	*69	..	..	..	*69	*2,234
	2017	..	*55	..	..	..	*55	*1,766
Canada	2014	88,852	11,526	22,269	1,148	756	76,205	2,140
	2015	90,378	12,104	22,211	1,032	-768	80,007	2,226
	2016	91,515	13,506	20,953	928	-674	83,814	2,310
	2017	95,814	11,648	23,542	983	309	82,628	2,256
Cayman Islands	2014	..	207	..	26	..	181	3,059
	2015	..	216	..	32	..	184	3,069
	2016	..	216	..	36	..	181	2,977
	2017	..	230	..	38	..	192	3,119
Costa Rica	2014	..	2,578	1	*151	36	2,390	502
	2015	..	2,460	1	*165	12	2,283	475
	2016	..	2,618	..	*185	-24	2,457	506
	2017	..	2,820	..	187	42	2,591	528
Cuba	2014	4,877	3,215	1,850	793	..	5,449	476
	2015	4,526	3,318	*1,161	773	..	5,910	516
	2016	2,205	3,221	*555	690	..	4,182	364
	2017	2,632	3,423	*774	*557	..	4,723	411
Curaçao	2014	9,574	2,569	8,745	1,693	..	1,705	10,894
	2015	9,062	2,632	8,195	1,676	..	1,823	11,537
	2016	8,216	2,821	7,537	1,659	..	1,841	11,552
	2017	6,792	2,729	6,223	1,662	..	1,636	10,191
Dominica	2014	..	*58	..	*2	*-1	*58	*792
	2015	..	*58	..	*2	*-1	*58	*792
	2016	..	*59	..	*2	*-1	*58	*795
	2017	..	*56	..	*2	*2	*53	*718
Dominican Republic	2014	1,278	4,038	..	465	-1	4,852	466
	2015	764	5,266	..	490	-8	5,548	527
	2016	1,097	5,462	..	496	-13	6,076	571
	2017	899	5,175	..	539	30	5,505	511
El Salvador	2014	0	2,070	17	150	0	1,903	303
	2015	0	2,243	0	149	6	2,088	331
	2016	0	2,360	136	166	1	2,057	324
	2017	..	2,184	167	165	..	1,852	290
Greenland	2014	..	173	..	17	-7	163	2,896
	2015	..	188	..	7	15	166	2,938
	2016	..	183	..	17	1	165	2,924
	2017	..	196	..	19	7	170	3,009
Grenada	2014	..	83	..	5	1	77	723
	2015	..	86	..	6	-6	85	799
	2016	..	99	..	7	4	87	812
	2017	..	102	..	7	5	90	838
Guatemala	2014	72	3,847	267	365	77	3,211	202
	2015	66	4,276	365	427	88	3,463	213
	2016	56	4,388	402	449	39	3,555	214
	2017	85	4,644	301	509	0	3,919	232

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Haiti	2014	..	911	..	34	-10	887	84
	2015	..	1,041	..	22	0	1,019	95
	2016	..	1,056	..	22	..	1,034	95
	2017	..	1,069	..	22	..	1,047	95
Honduras	2014	..	2,864	394	58	-233	2,645	300
	2015	..	2,708	407	73	-673	2,901	324
	2016	..	2,735	230	86	-262	2,681	294
	2017	..	2,766	0	84	0	2,682	289
Jamaica	2014	970	1,680	381	36	19	2,214	773
	2015	1,221	1,551	463	34	23	2,252	784
	2016	1,094	1,725	466	30	-32	2,356	818
	2017	1,048	1,755	476	51	49	2,227	771
Mexico	2014	69,433	29,085	10,067	3,860	-148	84,739	682
	2015	63,692	33,449	9,821	4,079	-248	83,489	663
	2016	57,093	41,105	9,405	4,372	-20	84,441	662
	2017	50,322	49,222	7,997	4,518	-50	87,079	674
Montserrat	2014	..	17	..	*1	0	16	3,040
	2015	..	19	..	*1	0	18	3,415
	2016	..	11	..	*1	0	10	1,863
	2017	..	10	..	*1	0	9	1,642
Nicaragua	2014	686	803	46	19	-40	1,464	243
	2015	722	931	33	22	-51	1,649	271
	2016	651	1,085	17	22	12	1,685	274
	2017	668	1,010	21	25	-18	1,650	265
Panama	2014	..	6,219	3	3,609	-351	2,957	758
	2015	..	6,166	3	3,714	-512	2,961	746
	2016	..	6,951	0	4,214	-122	2,860	709
	2017	..	8,049	0	4,961	-459	3,547	865
Sint Maarten (Dutch part)	2014	..	*515	..	*240	..	*275	*7,284
	2015	..	*533	..	*248	..	*284	*7,334
	2016	..	*538	..	*250	..	*288	*7,282
	2017	..	*521	..	*240	..	*282	*7,019
St. Kitts-Nevis	2014	..	*79	..	*5	..	*75	*1,388
	2015	..	*81	..	*5	..	*76	*1,408
	2016	..	*84	..	*5	..	*79	*1,434
	2017	..	*84	..	*5	..	*79	*1,432
St. Lucia	2014	..	122	..	*6	..	115	654
	2015	..	126	..	*6	..	120	677
	2016	..	118	..	*6	..	111	625
	2017	..	124	..	*7	..	118	658
St. Pierre-Miquelon	2014	..	*31	..	*6	..	*25	*3,955
	2015	..	*31	..	*6	..	*25	*3,947
	2016	..	*31	..	*6	..	*25	*3,938
	2017	..	31	..	*6	..	25	3,928
St. Vincent-Grenadines	2014	..	91	..	0	..	90	827
	2015	..	70	..	0	..	70	637
	2016	..	84	..	0	..	84	769
	2017	..	*85	..	0	..	*85	*770
Trinidad and Tobago	2014	6,362	68	4,583	657	-208	1,398	1,032
	2015	7,256	0	4,918	739	164	1,435	1,055
	2016	8,203	0	5,762	939	304	1,198	878
	2017	7,341	2	5,138	743	209	1,253	915

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Turks and Caicos Islands	2014	..	*65	..	..	..	*65	*1,927
	2015	..	*67	..	..	..	*67	*1,951
	2016	..	*70	..	..	..	*70	*1,991
	2017	..	*75	..	..	..	*75	*2,116
United States	2014	913,361	92,099	171,176	37,771	5,985	790,528	2,488
	2015	933,713	99,718	185,482	39,515	7,209	801,225	2,504
	2016	949,606	102,494	198,227	43,485	476	809,912	2,514
	2017	967,121	102,303	220,186	47,165	-4,332	806,405	2,485
America, South	2014	254,369	55,136	39,604	14,362	962	254,577	618
	2015	237,834	51,252	33,319	13,990	718	241,060	579
	2016	228,846	55,768	35,360	12,514	640	236,101	562
	2017	219,001	61,547	35,061	12,615	231	232,641	549
Argentina	2014	28,582	4,256	2,030	2,441	177	28,190	656
	2015	29,859	3,522	1,598	1,811	10	29,962	690
	2016	28,922	4,017	1,523	1,622	31	29,763	679
	2017	28,286	3,700	1,830	1,784	105	28,267	638
Bolivia (Plur. State of)	2014	2,948	1,056	446	90	-6	3,474	329
	2015	3,135	968	657	90	18	3,338	311
	2016	3,256	874	488	84	-40	3,598	330
	2017	3,538	1,177	295	79	-45	4,386	397
Brazil	2014	122,557	25,386	6,671	5,962	-117	135,427	663
	2015	116,031	21,698	5,922	6,597	-377	125,587	610
	2016	109,017	22,486	5,593	5,677	12	120,221	579
	2017	105,661	28,215	5,908	5,578	262	122,128	584
Chile	2014	9,617	6,999	547	821	30	15,218	864
	2015	9,685	7,215	488	665	47	15,700	884
	2016	9,429	8,097	463	683	93	16,287	909
	2017	9,648	7,827	521	721	146	16,087	891
Colombia	2014	13,986	4,309	3,751	1,353	947	12,243	256
	2015	11,721	2,978	2,229	*1,105	*522	10,843	225
	2016	14,315	4,817	3,242	*1,402	*582	13,906	286
	2017	16,746	2,728	3,836	1,535	565	13,538	276
Ecuador	2014	6,652	6,789	1,346	956	-19	11,158	702
	2015	6,478	6,689	1,368	974	-91	10,915	676
	2016	7,929	5,609	2,519	535	-2	10,487	640
	2017	8,004	5,792	3,110	620	-56	10,122	609
Falkland Is. (Malvinas)	2014	..	10	..	..	..	10	3,508
	2015	..	11	..	..	..	11	3,703
	2016	..	11	..	..	..	11	3,718
	2017	..	10	..	..	..	10	3,606
Guyana	2014	..	656	..	9	0	647	847
	2015	..	663	..	13	7	643	837
	2016	..	736	..	16	2	718	929
	2017	..	721	..	18	-6	709	912
Paraguay	2014	149	1,787	..	37	20	1,878	287
	2015	174	1,933	..	33	8	2,066	311
	2016	216	2,382	..	45	76	2,476	368
	2017	223	2,494	..	60	-119	2,776	408
Peru	2014	12,571	2,897	3,590	801	642	10,435	337
	2015	11,958	3,625	3,473	840	674	10,596	338
	2016	12,327	4,749	5,026	950	-51	11,150	351
	2017	12,913	5,554	6,166	979	-529	11,849	368

Table 25**Production, trade and supply of oil products**

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Suriname	2014	216	468	458	104	..	123	224
	2015	433	494	416	*81	..	429	776
	2016	536	443	452	93	..	434	777
	2017	674	451	383	84	..	658	1,168
Uruguay	2014	1,959	523	23	293	58	2,108	616
	2015	1,964	447	0	269	-51	2,191	639
	2016	2,165	234	0	230	-22	2,192	636
	2017	662	1,524	1	201	-58	2,041	591
Venezuela (Bolivar. Rep.)	2014	55,133	0	20,741	1,495	-770	33,667	1,095
	2015	46,398	1,010	17,168	1,511	-49	28,778	924
	2016	40,734	1,313	16,054	1,176	-41	24,858	787
	2017	32,647	1,353	13,010	956	-35	20,069	628
Asia	2014	1,864,762	507,655	490,947	165,129	9,020	1,707,322	390
	2015	1,945,736	551,681	534,782	176,977	6,573	1,779,085	402
	2016	2,013,445	557,588	599,029	181,288	9,057	1,781,659	399
	2017	2,090,630	583,528	614,436	192,592	13,464	1,853,667	411
Afghanistan	2014	..	1,261	..	*10	..	1,251	38
	2015	..	1,580	..	*10	..	1,570	47
	2016	..	1,169	..	*10	..	1,159	33
	2017	..	1,072	..	*11	..	1,062	30
Armenia	2014	..	359	0	*40	..	318	109
	2015	..	340	0	*31	..	309	106
	2016	..	347	0	44	7	296	101
	2017	..	384	0	54	13	316	108
Azerbaijan	2014	6,536	277	2,356	421	3	4,033	424
	2015	6,387	281	2,330	315	-187	4,210	438
	2016	5,830	330	1,734	223	-139	4,342	446
	2017	5,544	466	1,174	203	50	4,583	466
Bahrain	2014	13,360	*546	11,828	395	-91	1,774	1,327
	2015	13,446	*586	11,819	436	-88	1,865	1,359
	2016	13,003	*552	11,119	481	147	1,808	1,269
	2017	13,232	*567	11,819	447	-370	1,903	1,275
Bangladesh	2014	1,359	4,290	80	423	83	5,063	32
	2015	1,432	4,039	40	446	48	4,937	31
	2016	1,336	3,970	100	462	-96	4,840	30
	2017	1,576	4,664	40	499	..	5,701	35
Bhutan	2014	..	154	..	*3	..	151	195
	2015	..	165	..	*3	..	163	206
	2016	..	173	..	*3	..	171	214
	2017	..	190	..	*3	..	186	231
Brunei Darussalam	2014	397	373	15	143	15	597	1,450
	2015	486	313	0	174	5	620	1,485
	2016	331	373	0	113	-11	602	1,423
	2017	249	440	0	71	11	607	1,417
Cambodia	2014	..	1,737	..	86	..	1,651	108
	2015	..	1,949	..	91	..	1,858	120
	2016	..	2,207	..	86	..	2,121	135
	2017	..	2,277	..	108	7	2,162	135
China	2014	564,104	46,660	34,190	14,112	8,711	553,751	398
	2015	603,236	52,760	40,869	16,790	2,643	595,694	426
	2016	633,757	53,843	53,042	18,026	-650	617,182	440
	2017	678,284	61,271	56,633	19,452	7,626	655,845	465

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
China, Hong Kong SAR	2014	..	16,440	508	13,563	-684	3,053	424
	2015	..	20,017	703	14,911	1,061	3,342	461
	2016	..	20,301	371	15,384	928	3,618	495
	2017	..	21,375	293	17,578	-397	3,900	530
China, Macao SAR	2014	..	449	..	66	-4	387	657
	2015	..	681	..	68	24	589	979
	2016	..	650	..	73	2	575	939
	2017	..	602	..	66	13	523	840
Cyprus	2014	..	2,292	0	464	-49	1,877	1,629
	2015	..	2,460	23	477	69	1,891	1,629
	2016	..	2,615	16	551	27	2,021	1,727
	2017	..	2,644	0	554	33	2,057	1,744
Georgia	2014	0	1,132	18	80	4	1,030	258
	2015	12	1,357	111	70	11	1,178	298
	2016	25	1,496	119	71	-28	1,359	346
	2017	24	1,440	*170	95	-11	1,210	309
India	2014	236,361	19,487	62,892	*5,148	-1,916	189,724	147
	2015	246,200	38,100	63,358	*5,789	-1,298	216,451	165
	2016	255,853	35,336	65,483	*6,405	*57	219,244	166
	2017	264,330	49,726	74,501	*5,370	*10	234,175	175
Indonesia	2014	40,674	31,412	2,261	1,586	..	68,239	267
	2015	38,578	31,660	1,338	1,112	..	67,787	263
	2016	40,995	27,473	1,252	1,104	..	66,112	253
	2017	41,809	31,571	1,157	1,294	-41	70,970	269
Iran (Islamic Rep. of)	2014	106,303	2,185	12,468	4,982	..	91,039	1,161
	2015	105,343	2,886	19,207	6,189	..	82,833	1,044
	2016	95,300	3,581	26,149	3,556	199	68,977	859
	2017	99,927	3,663	24,140	3,013	0	76,437	942
Iraq	2014	24,992	13,970	388	715	-97	37,956	1,084
	2015	20,489	12,117	454	751	-1,218	32,619	903
	2016	21,657	16,424	330	943	1	36,807	989
	2017	25,370	16,194	3,658	925	-29	37,010	967
Israel	2014	14,753	4,748	6,504	936	154	11,907	1,499
	2015	14,806	4,776	6,225	1,107	199	12,051	1,494
	2016	14,009	5,031	5,687	1,067	-96	12,382	1,512
	2017	13,584	4,806	5,765	1,256	-88	11,457	1,377
Japan	2014	166,949	44,393	15,361	9,801	-465	186,645	1,456
	2015	167,617	43,098	17,885	10,309	-744	183,265	1,432
	2016	168,687	39,392	17,973	10,811	-223	179,518	1,405
	2017	162,935	43,243	17,136	10,825	-175	178,392	1,399
Jordan	2014	3,075	4,510	..	129	65	7,391	839
	2015	3,258	3,180	..	106	22	6,310	689
	2016	2,843	2,306	..	174	77	4,898	518
	2017	2,676	2,727	..	140	174	5,089	525
Kazakhstan	2014	15,977	1,912	6,759	*226	630	10,274	587
	2015	14,599	1,631	4,337	*306	-498	12,085	681
	2016	14,094	1,794	4,001	*331	-493	12,049	670
	2017	14,833	1,922	4,289	*477	-380	12,369	679
Korea, Dem.Ppl's.Rep.	2014	515	319	..	..	..	834	33
	2015	515	441	..	..	..	956	38
	2016	515	511	..	..	..	1,026	40
	2017	515	424	..	..	..	939	37

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Korea, Republic of	2014	137,411	39,033	57,319	12,362	380	106,383	2,111
	2015	149,219	36,494	60,906	13,414	-199	111,592	2,206
	2016	156,422	39,328	62,396	15,008	-46	118,392	2,331
	2017	164,332	37,113	64,818	14,773	440	121,414	2,381
Kuwait	2014	48,003	..	31,350	1,875	-486	15,264	4,035
	2015	48,841	..	33,351	1,980	-1,634	15,144	3,848
	2016	45,612	..	30,416	1,836	-1,607	14,967	3,693
	2017	41,331	..	26,797	1,871	-2,044	14,707	3,555
Kyrgyzstan	2014	144	1,485	123	4	11	1,491	258
	2015	320	1,593	103	103	121	1,586	270
	2016	379	1,331	64	103	-118	1,661	279
	2017	431	1,250	75	19	38	1,549	256
Lao People's Dem. Rep.	2014	..	824	..	*35	..	789	120
	2015	..	978	..	*34	..	945	142
	2016	..	*986	..	*34	..	*953	*141
	2017	..	*1,011	..	*34	..	*977	*142
Lebanon	2014	..	7,078	..	*259	..	6,819	1,089
	2015	..	7,719	..	*235	..	7,484	1,146
	2016	..	8,033	..	*274	..	7,759	1,156
	2017	..	8,528	..	*300	..	8,228	1,207
Malaysia	2014	25,435	15,494	10,329	2,656	-1,391	29,335	970
	2015	25,464	13,805	10,093	2,777	-894	27,293	888
	2016	26,929	14,802	12,018	2,639	-878	27,952	896
	2017	29,050	12,835	10,861	2,885	-132	28,271	894
Maldives	2014	..	677	..	*245	..	432	993
	2015	..	508	..	*81	..	427	939
	2016	..	543	..	*68	..	475	999
	2017	..	565	..	*73	..	492	990
Mongolia	2014	..	1,106	..	..	..	1,106	378
	2015	..	1,096	..	..	..	1,096	368
	2016	..	995	..	..	..	995	329
	2017	..	1,268	..	..	..	1,268	412
Myanmar	2014	529	3,571	..	0	714	3,385	65
	2015	523	3,571	..	2	714	3,377	64
	2016	404	4,564	..	..	196	4,773	90
	2017	418	3,858	..	..	-28	4,304	81
Nepal	2014	..	1,650	..	*139	*-1	1,512	53
	2015	..	1,126	..	93	0	1,033	36
	2016	..	1,895	..	128	0	1,767	61
	2017	..	2,211	..	151	..	2,060	70
Oman	2014	10,754	43	1,373	1,687	-45	7,782	1,965
	2015	11,053	47	1,439	1,795	60	7,806	1,859
	2016	11,130	60	1,400	1,894	163	7,733	1,748
	2017	11,950	335	1,979	1,320	4	8,982	1,937
Other Asia	2014	43,275	17,575	17,120	3,562	-72	40,240	1,719
	2015	43,243	17,422	16,625	3,643	-469	40,866	1,740
	2016	43,471	17,405	17,003	4,030	-298	40,141	1,704
	2017	44,099	17,318	16,490	4,046	-369	41,250	1,746
Pakistan	2014	12,254	12,474	353	396	705	23,275	125
	2015	12,298	14,793	107	360	331	26,293	139
	2016	12,765	17,481	243	340	54	29,610	153
	2017	14,031	15,495	345	*295	*-81	28,966	147

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Philippines	2014	7,825	8,827	700	1,147	785	14,020	140
	2015	9,811	9,866	1,390	1,260	523	16,504	162
	2016	10,089	10,817	1,321	1,365	133	18,086	175
	2017	9,847	12,172	1,550	1,702	174	18,594	177
Qatar	2014	24,317	12	21,075	1,254	671	1,329	560
	2015	23,269	602	19,333	1,209	2,512	817	329
	2016	23,753	540	19,144	1,719	2,699	731	284
	2017	25,903	115	20,810	2,747	-367	2,828	1,072
Saudi Arabia	2014	154,500	23,591	65,041	5,518	730	106,802	3,470
	2015	158,782	29,767	73,322	5,817	*1,789	107,621	3,410
	2016	171,795	27,958	95,349	6,256	*6,239	91,909	2,848
	2017	173,751	24,791	105,294	6,395	*3,800	83,053	2,521
Singapore	2014	45,303	104,293	84,391	49,158	105	15,942	2,926
	2015	46,212	114,131	89,919	52,052	1,016	17,357	3,136
	2016	50,852	113,629	97,029	55,920	-375	11,907	2,118
	2017	53,684	120,494	101,415	58,173	192	14,398	2,522
Sri Lanka	2014	1,686	2,817	21	797	-503	4,189	203
	2015	1,615	2,972	207	732	-786	4,434	214
	2016	1,647	3,634	89	1,117	-1,291	5,365	258
	2017	1,636	3,949	0	1,104	-822	5,304	254
State of Palestine	2014	..	890	0	..	-54	944	208
	2015	..	991	0	..	0	991	213
	2016	..	1,084	0	..	0	1,084	226
	2017	..	1,090	0	..	..	1,090	221
Syrian Arab Republic	2014	5,486	1,760	560	256	0	6,430	335
	2015	5,467	1,613	560	189	..	6,331	338
	2016	6,094	1,385	630	171	..	6,678	362
	2017	5,881	620	590	139	..	5,772	316
Tajikistan	2014	20	889	*4	61	..	844	101
	2015	*22	983	*12	54	..	938	110
	2016	24	945	*9	35	..	925	106
	2017	23	784	..	18	..	789	88
Thailand	2014	61,404	6,451	11,749	4,546	1,118	50,442	737
	2015	65,933	5,416	13,602	4,867	2,832	50,048	729
	2016	65,346	6,518	10,981	5,160	3,914	51,809	752
	2017	67,059	6,547	12,006	5,314	4,331	51,955	753
Timor-Leste	2014	..	*170	..	*3	..	*167	*138
	2015	..	*167	..	*3	..	*164	*132
	2016	..	*164	..	*3	..	*161	*127
	2017	..	*166	..	*3	..	*163	*126
Turkey	2014	22,665	22,358	6,951	3,572	2	34,498	448
	2015	30,956	23,315	7,588	4,337	666	41,680	533
	2016	31,667	24,669	6,489	4,227	410	45,210	569
	2017	34,042	26,417	6,760	4,320	299	49,080	608
Turkmenistan	2014	9,181	..	2,554	470	..	6,157	1,126
	2015	9,224	..	2,554	470	..	6,200	1,114
	2016	9,178	..	2,554	470	..	6,154	1,087
	2017	9,187	..	2,554	470	..	6,163	1,070
United Arab Emirates	2014	46,579	*19,590	21,420	20,625	..	24,124	2,659
	2015	55,593	21,869	32,717	*20,681	..	24,065	2,629
	2016	66,341	21,146	51,536	*16,800	*43	19,108	2,061
	2017	68,275	15,947	39,329	22,764	1,674	20,455	2,176

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Uzbekistan	2014	*2,906	513	137	*58	..	*3,224	*106
	2015	*2,820	678	93	*57	..	*3,348	*108
	2016	2,773	711	132	*50	..	3,302	105
	2017	2,731	627	121	*50	..	3,187	100
Viet Nam	2014	6,434	10,900	1,451	889	-7	15,001	162
	2015	7,663	12,898	1,509	1,101	-56	18,007	192
	2016	7,674	15,046	2,655	1,604	108	18,353	194
	2017	7,144	14,600	1,635	1,074	-90	19,125	200
Yemen	2014	3,296	4,679	1,298	226	..	6,451	246
	2015	1,006	2,844	651	142	..	3,057	114
	2016	864	2,044	*194	119	..	2,595	94
	2017	937	1,757	*230	112	..	2,352	83
Europe	2014	981,873	375,603	480,412	106,310	-199	770,952	1,038
	2015	1,007,127	397,353	518,755	105,159	6,369	774,197	1,042
	2016	988,561	414,210	543,422	106,992	915	751,442	1,010
	2017	1,001,822	412,863	534,203	109,437	-6,589	777,634	1,045
Albania	2014	336	1,465	152	27	308	1,314	450
	2015	288	1,193	171	22	109	1,179	403
	2016	183	1,208	19	40	127	1,205	412
	2017	503	1,230	155	36	170	1,372	468
Andorra	2014	..	151	..	0	..	151	1,905
	2015	..	152	..	0	..	152	1,945
	2016	..	154	..	0	..	154	1,988
	2017	..	153	..	0	..	153	1,992
Austria	2014	9,242	6,008	2,721	647	-61	11,943	1,383
	2015	9,470	6,066	2,834	695	67	11,940	1,376
	2016	8,863	6,797	2,757	759	-128	12,272	1,409
	2017	8,790	6,980	2,756	734	-66	12,346	1,413
Belarus	2014	21,973	96	14,170	110	113	7,676	809
	2015	23,196	1,165	17,310	111	-22	6,962	734
	2016	18,717	1,796	13,637	119	5	6,752	712
	2017	18,471	1,756	12,973	126	234	6,894	728
Belgium	2014	36,712	25,412	29,542	6,888	270	25,424	2,266
	2015	36,715	26,973	29,223	7,403	1,124	25,938	2,298
	2016	35,394	26,209	29,369	8,282	-254	24,206	2,131
	2017	37,250	28,712	33,810	9,308	-894	23,738	2,077
Bosnia and Herzegovina	2014	989	744	321	4	5	1,403	393
	2015	919	883	259	6	72	1,465	414
	2016	826	1,071	235	10	6	1,646	468
	2017	862	1,092	272	10	27	1,645	469
Bulgaria	2014	6,129	2,964	4,020	247	10	4,816	667
	2015	6,681	2,883	4,448	259	54	4,803	669
	2016	6,942	2,838	4,568	285	103	4,824	676
	2017	7,145	2,658	4,794	313	5	4,691	662
Croatia	2014	2,989	2,023	1,544	120	-153	3,501	822
	2015	3,381	2,140	1,854	115	1	3,551	838
	2016	3,755	2,101	2,076	123	117	3,540	840
	2017	3,926	2,318	2,483	148	-50	3,663	874
Czechia	2014	8,330	3,381	2,012	283	41	9,375	885
	2015	7,973	3,903	2,465	285	12	9,114	860
	2016	5,998	4,869	2,225	306	-22	8,358	788
	2017	8,654	3,855	2,430	343	-84	9,820	925

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Denmark	2014	8,882	8,434	7,731	1,618	375	7,592	1,340
	2015	9,175	9,739	8,956	1,622	751	7,585	1,333
	2016	9,346	9,260	9,004	1,585	-175	8,192	1,434
	2017	9,006	5,856	6,663	1,474	-997	7,722	1,347
Estonia	2014	..	1,903	545	377	17	964	731
	2015	..	1,683	338	346	8	991	753
	2016	..	1,813	480	323	12	998	760
	2017	..	1,888	432	377	78	1,001	764
Faeroe Islands	2014	..	*218	..	23	..	*195	*3,985
	2015	..	*229	..	31	..	*198	*4,054
	2016	..	*237	..	33	..	*204	*4,150
	2017	..	*267	..	37	..	*230	*4,660
Finland	2014	14,808	5,745	8,502	704	-70	11,417	2,091
	2015	13,280	5,264	6,847	923	410	10,364	1,891
	2016	14,749	5,919	9,165	915	-272	10,860	1,973
	2017	15,361	5,145	9,161	1,016	-176	10,505	1,902
France	2014	63,012	43,873	19,048	7,782	300	79,755	1,201
	2015	64,935	43,270	21,070	7,877	-102	79,360	1,190
	2016	64,173	41,686	20,553	7,666	17	77,623	1,159
	2017	64,456	41,154	20,215	7,977	-32	77,450	1,151
Germany	2014	106,304	37,039	21,236	10,183	-847	112,771	1,384
	2015	108,775	37,436	22,302	10,274	391	113,244	1,386
	2016	109,616	38,760	22,833	11,284	720	113,539	1,386
	2017	111,005	41,065	23,497	11,639	-528	117,462	1,430
Gibraltar	2014	..	3,898	..	3,703	..	195	5,729
	2015	..	3,994	..	3,782	..	212	6,194
	2016	..	4,075	..	3,843	..	232	6,743
	2017	..	4,531	..	4,278	..	253	7,318
Greece	2014	27,692	8,444	15,492	2,691	-58	18,011	1,599
	2015	28,612	9,120	16,151	2,648	508	18,425	1,642
	2016	30,408	9,116	18,066	2,635	75	18,748	1,676
	2017	31,960	9,633	18,961	3,171	63	19,398	1,738
Hungary	2014	8,703	2,745	3,222	171	-40	8,095	825
	2015	8,186	3,014	2,757	175	155	8,113	829
	2016	7,878	3,197	2,896	186	223	7,770	797
	2017	7,601	3,793	3,083	216	-13	8,108	834
Iceland	2014	2	746	..	200	-7	555	1,690
	2015	14	836	..	261	21	568	1,720
	2016	16	928	..	349	10	585	1,760
	2017	18	961	..	425	-20	574	1,713
Ireland	2014	2,822	5,016	1,287	831	-47	5,767	1,231
	2015	3,475	5,383	1,772	950	45	6,091	1,296
	2016	3,288	5,717	1,634	970	-72	6,473	1,370
	2017	3,314	6,019	1,863	1,112	137	6,221	1,306
Italy	2014	68,984	17,249	20,534	4,988	-817	61,528	1,032
	2015	76,898	17,930	27,201	5,055	-648	63,220	1,062
	2016	73,946	20,429	28,880	5,506	-553	60,542	1,018
	2017	77,922	18,185	31,041	5,719	-108	59,455	1,001
Kosovo	2014	0	558	2	2	..	554	304
	2015	0	704	10	4	..	690	383
	2016	0	683	11	4	..	668	368
	2017	..	759	3	6	..	750	410

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Latvia	2014	30	2,326	816	342	-123	1,321	655
	2015	31	2,705	948	361	56	1,371	688
	2016	18	2,739	806	436	174	1,341	681
	2017	15	2,541	750	398	16	1,392	714
Lithuania	2014	8,021	1,771	6,907	86	-74	2,873	970
	2015	9,009	2,338	8,289	156	69	2,833	966
	2016	9,856	2,090	8,483	259	3	3,201	1,101
	2017	10,094	1,336	8,176	282	-63	3,035	1,050
Luxembourg	2014	..	2,729	5	394	7	2,323	4,176
	2015	..	2,673	7	445	-19	2,240	3,952
	2016	..	2,701	10	493	0	2,198	3,818
	2017	..	2,853	25	558	-6	2,276	3,901
Malta	2014	..	2,302	206	1,364	-38	770	1,809
	2015	..	2,719	532	1,701	-48	534	1,249
	2016	..	2,690	273	1,935	43	439	1,022
	2017	..	2,885	152	2,302	103	328	761
Montenegro	2014	..	294	11	17	8	258	411
	2015	..	302	16	18	-9	277	441
	2016	..	357	15	19	16	307	488
	2017	..	400	33	20	9	338	537
Netherlands	2014	60,902	85,348	100,197	16,620	234	29,199	1,729
	2015	63,390	94,612	111,595	15,749	2,288	28,370	1,675
	2016	64,415	93,248	113,113	15,764	-603	29,389	1,730
	2017	63,944	90,598	111,470	15,645	-1,866	29,293	1,719
North Macedonia	2014	1	1,099	181	..	8	912	439
	2015	0	1,143	173	..	-3	973	468
	2016	0	1,213	110	2	20	1,081	519
	2017	0	1,117	99	1	-5	1,023	491
Norway	2014	22,749	4,357	16,271	739	-170	10,266	1,997
	2015	24,664	5,322	18,192	690	201	10,903	2,097
	2016	22,467	6,179	17,975	574	-344	10,441	1,987
	2017	26,254	6,038	18,740	672	-186	13,066	2,463
Poland	2014	26,317	4,906	7,115	717	-110	23,501	614
	2015	29,011	5,392	8,247	823	-190	25,523	667
	2016	28,280	7,416	7,125	847	145	27,579	722
	2017	28,102	9,763	5,196	1,092	324	31,253	819
Portugal	2014	13,155	4,313	4,734	1,570	-27	11,191	1,069
	2015	15,631	3,707	6,802	1,682	42	10,812	1,038
	2016	15,417	3,563	6,681	1,908	35	10,356	998
	2017	15,995	3,723	6,915	2,051	-50	10,802	1,046
Republic of Moldova	2014	18	781	18	25	-13	769	189
	2015	11	831	14	24	17	787	194
	2016	16	899	16	32	18	849	209
	2017	15	937	35	47	-9	879	217
Romania	2014	12,158	2,394	4,614	257	5	9,676	484
	2015	11,907	2,996	4,668	248	-105	10,092	508
	2016	12,236	2,905	5,099	279	129	9,634	487
	2017	12,527	3,229	4,968	320	2	10,466	532
Russian Federation	2014	286,505	2,286	*122,215	*13,496	39	153,041	1,065
	2015	282,886	2,088	*122,888	*11,465	-1,183	151,804	1,055
	2016	273,944	1,338	*140,027	*9,366	691	125,198	870
	2017	269,420	1,302	125,522	*7,588	421	137,191	953

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Serbia	2014	3,217	1,113	658	82	3	3,587	508
	2015	3,490	1,020	765	86	-9	3,668	520
	2016	3,572	1,098	736	135	-34	3,833	547
	2017	3,787	1,087	855	142	44	3,832	551
Slovakia	2014	5,962	1,302	3,644	34	14	3,572	657
	2015	6,808	1,655	4,381	42	56	3,984	732
	2016	6,582	1,754	4,116	48	26	4,146	762
	2017	6,560	1,972	3,896	39	-62	4,659	855
Slovenia	2014	41	3,707	1,393	83	-53	2,325	1,123
	2015	26	4,035	1,717	90	-9	2,263	1,091
	2016	16	4,548	2,045	145	7	2,367	1,139
	2017	40	4,621	2,081	182	83	2,315	1,113
Spain	2014	61,532	20,439	21,666	11,570	992	47,743	1,026
	2015	66,221	18,956	23,243	11,407	1,557	48,970	1,055
	2016	66,288	21,295	25,130	11,680	468	50,305	1,085
	2017	67,341	23,204	27,578	11,191	-1,296	53,072	1,145
Sweden	2014	20,618	7,836	12,565	2,464	301	13,124	1,354
	2015	21,646	7,810	15,061	2,563	594	11,238	1,151
	2016	21,503	10,748	16,839	2,832	-471	13,051	1,327
	2017	21,317	10,014	17,884	3,231	-1,528	11,744	1,185
Switzerland	2014	4,965	6,273	523	1,535	19	9,161	1,108
	2015	2,899	7,921	431	1,586	-335	9,138	1,093
	2016	3,108	7,759	477	1,658	79	8,653	1,025
	2017	3,038	7,717	384	1,714	-129	8,786	1,032
Ukraine	2014	3,349	7,881	786	*128	-398	10,714	239
	2015	2,865	7,747	113	121	-28	10,406	233
	2016	2,866	9,417	64	*121	573	11,525	259
	2017	3,121	9,751	308	*121	-317	12,760	289
United Kingdom	2014	64,424	34,034	23,806	13,188	-161	61,625	948
	2015	64,659	37,421	24,705	13,058	471	63,846	976
	2016	63,879	41,391	25,874	13,236	1	66,159	1,006
	2017	64,008	39,765	24,545	13,375	180	65,673	992
Oceania	2014	38,028	26,474	2,911	5,798	-383	56,176	1,442
	2015	34,696	29,199	2,636	5,712	120	55,428	1,402
	2016	31,267	33,579	2,698	6,103	422	55,623	1,387
	2017	30,105	34,413	3,275	6,582	-473	55,132	1,355
Australia	2014	31,642	20,679	2,645	4,391	-357	45,642	1,944
	2015	28,252	22,904	2,448	4,198	111	44,399	1,866
	2016	24,199	27,292	2,059	4,388	393	44,651	1,851
	2017	23,263	28,222	2,635	4,761	-287	44,376	1,815
Cook Islands	2014	..	*31	..	*10	..	*21	*1,194
	2015	..	*29	..	*9	..	*19	*1,112
	2016	..	*30	..	*9	..	*20	*1,162
	2017	..	*31	..	*9	..	*22	*1,266
Fiji	2014	..	*590	0	*79	..	*510	*576
	2015	..	813	0	*129	*11	673	754
	2016	..	751	0	*115	0	635	707
	2017	..	*762	0	*122	*-2	*641	*708
French Polynesia	2014	..	317	..	*74	..	243	881
	2015	..	332	..	*78	..	254	915
	2016	..	314	..	*70	..	244	870
	2017	..	321	..	*73	..	247	874

Table 25

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Kiribati	2014	..	19	..	0	..	18	167
	2015	..	*20	..	0	..	*19	*171
	2016	..	*21	..	0	..	*21	*180
	2017	..	*21	..	0	..	*21	*177
Marshall Islands	2014	..	*48	..	*2	..	*46	*864
	2015	..	*49	..	*2	..	*47	*881
	2016	..	*49	..	*2	..	*47	*880
	2017	..	*50	..	*2	..	*48	*896
Micronesia (Fed. States of)	2014	..	*55	..	*9	..	*47	*450
	2015	..	58	..	10	..	48	463
	2016	..	*58	..	*9	..	*49	*467
	2017	..	*59	..	*10	..	*49	*465
Nauru	2014	..	*24	..	7	0	*16	*1,482
	2015	..	*25	..	*8	0	*17	*1,493
	2016	..	*24	..	*9	0	*15	*1,279
	2017	..	*22	..	*8	..	*15	*1,278
New Caledonia	2014	..	994	..	31	-48	1,011	3,809
	2015	..	958	..	32	-3	930	3,454
	2016	..	951	..	29	-20	941	3,451
	2017	..	927	..	33	40	854	3,092
New Zealand	2014	5,423	2,450	266	1,074	-28	6,561	1,437
	2015	5,813	2,321	188	1,121	-15	6,840	1,482
	2016	5,699	2,728	211	1,345	95	6,776	1,454
	2017	5,528	2,658	236	1,444	-171	6,677	1,419
Niue	2014	..	2	..	0	..	2	1,185
	2015	..	2	..	0	..	2	1,214
	2016	..	*2	..	*1	..	*2	*1,169
	2017	..	*2	..	0	..	*2	*1,136
Palau	2014	..	*90	..	*17	..	*73	*4,142
	2015	..	*88	..	*15	..	*73	*4,132
	2016	..	*88	..	*14	..	*74	*4,160
	2017	..	*92	..	*15	..	*77	*4,312
Papua New Guinea	2014	963	851	0	*64	44	1,706	220
	2015	631	1,274	0	*72	1	1,831	231
	2016	1,369	949	428	*72	-48	1,865	231
	2017	*1,314	*915	404	*64	*-53	*1,813	*220
Samoa	2014	..	87	..	12	*6	69	358
	2015	..	108	..	12	*15	81	418
	2016	..	*98	..	*13	*2	*84	*428
	2017	..	*100	..	*13	..	*87	*442
Solomon Islands	2014	..	120	..	*10	..	110	191
	2015	..	108	..	*9	..	99	168
	2016	..	*106	..	*9	..	*97	*161
	2017	..	*105	..	*9	..	*96	*156
Tonga	2014	..	42	..	*5	*1	37	352
	2015	..	44	..	*5	0	39	368
	2016	..	46	..	*3	0	42	394
	2017	..	55	..	5	0	50	466
Tuvalu	2014	..	*3	..	..	..	*3	*277
	2015	..	*3	..	..	..	*3	*284
	2016	..	*3	..	..	..	*3	*281
	2017	..	*3	..	..	..	*3	*279

Production, trade and supply of oil products

Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Vanuatu	2014	..	64	..	*12	0	53	203
	2015	..	56	..	*11	0	45	170
	2016	..	61	..	*11	0	50	186
	2017	..	59	..	*12	..	47	171
Wallis and Futuna Is.	2014	..	9	..	1	..	8	640
	2015	..	9	..	1	..	8	647
	2016	..	9	..	1	..	8	687
	2017	..	*9	..	1	..	*8	*682

Production of natural gas liquids – by end use

Thousand metric tons

Table Notes

Production refers to production of natural gas liquids.

End-use products refers to the output of natural gas liquids plants, arranged by product. **Net imports** refers to imports minus exports. **Inputs of NGLs to refineries** refers to quantities of natural gas liquids that are transformed in oil refineries. Data may not add up due to statistical differences or the presence of other natural gas liquid flows such as stock changes, transfers or energy industries own use.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 66: Production of natural gas liquids by region, 1990-2017

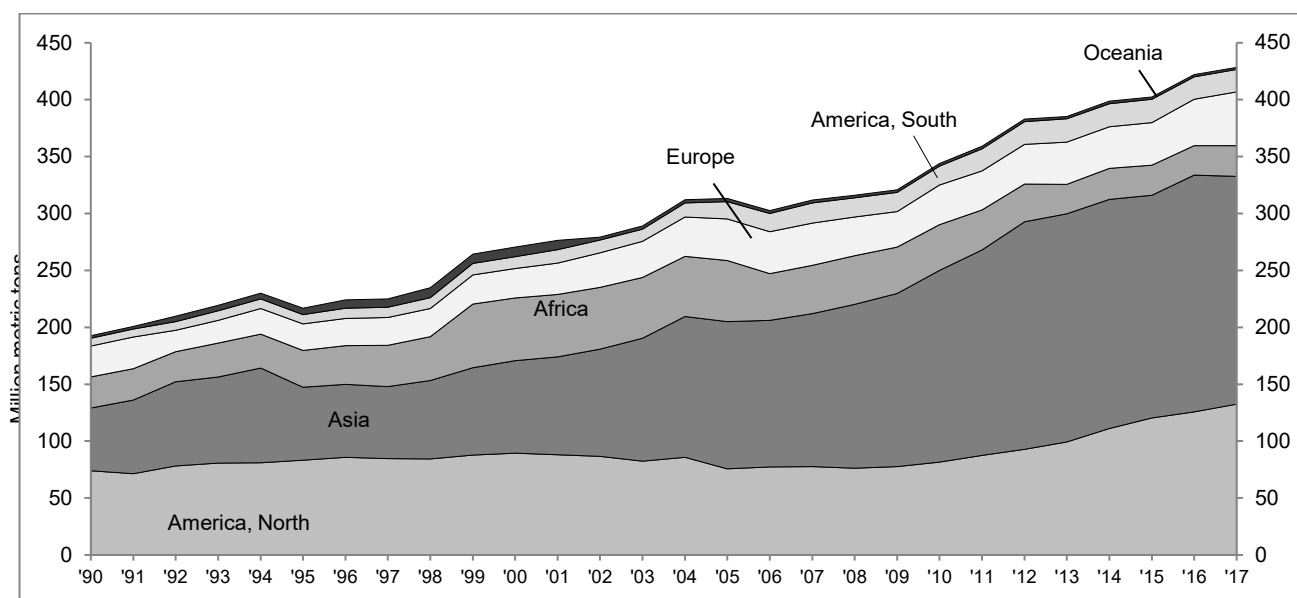


Figure 67: Production of natural gas liquids by end-use product, 2017

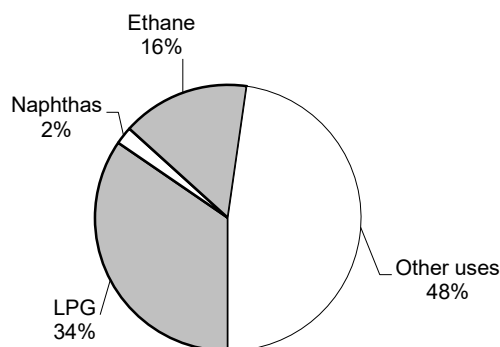


Table 26

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
World	2014	398,673	138,168	18,501	55,450	7,013	-47,828	105,915
	2015	402,274	137,730	11,104	58,559	7,522	-47,584	109,943
	2016	422,045	144,727	10,632	61,680	9,215	-55,479	110,245
	2017	428,409	148,024	9,218	66,671	9,614	-51,371	116,435
Africa	2014	27,257	11,383	639	0	..	-9,888	5,239
	2015	26,533	11,471	492	0	..	-9,783	4,965
	2016	25,919	11,469	459	0	..	-9,394	4,265
	2017	26,945	12,022	574	..	..	-9,191	4,935
Algeria	2014	18,318	8,372	168	0	..	-4,805	5,067
	2015	18,346	8,611	120	0	..	-5,016	4,797
	2016	17,924	8,593	101	0	..	-5,209	4,097
	2017	17,744	8,412	113	..	..	-4,200	4,813
Angola	2014	520	520	..	..	..	..	..
	2015	530	543	..	..	..	..	..
	2016	532	*532	..	..	..	..	..
	2017	1,200	1,200	..	..	..	..	..
Congo	2014	344	..	..	..	..	-319	25
	2015	301	..	..	..	..	-280	21
	2016	301	..	..	..	..	-280	21
	2017	301	..	..	..	..	-276	24
Côte d'Ivoire	2014	2	2	..	..	..	..	..
	2015	5	5	..	..	..	..	..
	2016	6	6	..	..	..	..	..
	2017	6	6	..	..	..	..	..
Egypt	2014	1,462	1,462	..	..	..	..	0
	2015	1,366	1,366	..	..	..	..	..
	2016	1,312	1,312	..	..	..	..	..
	2017	1,230	1,230	..	..	..	..	..
Equatorial Guinea	2014	587	587	..	..	..	..	..
	2015	542	542	..	..	..	..	..
	2016	605	605	..	..	..	..	..
	2017	660	660	..	..	..	..	..
Ghana	2014	..	..	..	..	..	..	..
	2015	..	..	..	..	..	..	..
	2016	..	..	..	..	..	..	..
	2017	112	114	..	..	..	..	..
Libya	2014	2,362	300	471	..	..	-1,591	..
	2015	2,109	272	372	..	..	-1,465	..
	2016	2,108	281	358	..	..	-1,469	..
	2017	2,831	277	461	..	..	-2,093	..
Nigeria	2014	3,270	..	..	..	..	-3,095	..
	2015	2,970	..	..	..	..	-2,948	..
	2016	2,747	..	..	..	..	-2,366	..
	2017	2,557	..	..	..	..	-2,553	..
South Africa	2014	147	..	..	..	..	..	147
	2015	147	..	..	..	..	..	147
	2016	147	..	..	..	..	..	147
	2017	98	..	..	..	..	..	98
Tunisia	2014	245	140	..	..	..	-78	..
	2015	217	132	..	..	..	-74	..
	2016	237	140	..	..	..	-70	..
	2017	206	123	..	..	..	-69	..

Table 26

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
America, North	2014	111,231	41,013	..	26,026	2,649	-7,475	20,421
	2015	120,377	47,531	..	26,702	2,853	-8,709	19,992
	2016	125,842	47,228	..	29,861	3,109	-9,339	20,166
	2017	132,593	49,919	..	32,996	3,481	-9,601	20,493
Belize	2014	*1	1	..	..	..	..	..
	2015	*1	1	..	..	..	..	..
	2016	*1	1	..	..	..	..	..
	2017	*1	1	..	..	..	..	..
Canada	2014	13,663	..	..	..	..	-1,537	1,441
	2015	13,807	..	..	..	..	-1,995	1,175
	2016	15,938	..	..	..	..	-1,958	1,156
	2017	16,500	..	..	..	..	-3,104	957
Curaçao	2014	..	..	..	..	..	44	..
	2015	..	..	..	..	..	56	..
	2016	..	..	..	..	..	51	..
	2017	..	..	..	..	..	43	..
Mexico	2014	10,217	5,178	..	2,394	..	..	2,416
	2015	9,218	4,501	..	2,230	..	..	2,296
	2016	8,691	4,181	..	2,216	..	..	2,110
	2017	7,920	3,807	..	2,106	..	..	1,866
Trinidad and Tobago	2014	1,126	647	..	..	526	..	..
	2015	1,032	597	..	..	477	..	..
	2016	865	499	..	..	401	..	..
	2017	921	547	..	..	406	..	..
United States	2014	86,224	35,187	..	23,632	2,123	-5,982	16,564
	2015	96,319	42,432	..	24,472	2,376	-6,770	16,521
	2016	100,347	42,547	..	27,645	2,708	-7,432	16,900
	2017	107,251	45,564	..	30,890	3,075	-6,540	17,670
America, South	2014	20,207	10,493	..	843	3,819	-233	1,756
	2015	20,397	7,855	..	907	3,587	-244	5,080
	2016	19,761	7,692	108	1,022	3,432	-244	4,722
	2017	19,787	7,243	108	980	3,316	-256	4,408
Argentina	2014	3,209	1,410	..	843	0	-233	723
	2015	3,547	1,705	..	907	0	-244	691
	2016	3,478	1,537	..	1,022	0	-244	675
	2017	3,435	1,573	..	980	..	-256	626
Bolivia (Plur. State of)	2014	378	312	..	..	..	..	66
	2015	848	279	..	..	..	..	564
	2016	952	400	..	..	..	..	564
	2017	956	395	..	..	..	..	573
Brazil	2014	5,636	1,189	..	..	1,577	..	..
	2015	5,629	1,431	..	..	1,698	..	..
	2016	5,349	1,450	108	..	1,462	..	..
	2017	6,201	1,456	108	..	1,465	..	..
Chile	2014	76	..	..	..	..	..	..
	2015	38	..	..	..	..	..	..
	2016	41	..	..	..	..	..	..
	2017	108	..	..	..	..	..	..
Colombia	2014	249	233	..	..	..	0	..
	2015	277	259	..	..	..	..	..
	2016	279	260	..	..	..	..	..
	2017	322	322	..	..	..	..	..

Table 26

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Ecuador	2014	150	92	..	..	58	..	..
	2015	161	96	..	..	65	..	..
	2016	176	97	..	..	79	..	..
	2017	174	100	..	..	78	..	..
Peru	2014	3,901	1,617	..	..	2,184	..	..
	2015	3,447	1,460	..	..	1,824	..	..
	2016	3,491	1,435	..	..	1,891	..	..
	2017	3,336	1,351	..	..	1,773	..	..
Venezuela (Bolivar. Rep.)	2014	6,608	5,641	..	..	..	..	967
	2015	6,450	2,625	..	..	..	..	3,825
	2016	5,995	2,512	..	..	..	..	3,483
	2017	5,255	2,046	..	..	..	..	3,209
Asia	2014	201,166	66,607	17,126	25,518	163	-39,409	49,596
	2015	195,623	61,764	10,070	27,863	964	-36,881	50,977
	2016	207,801	69,503	8,487	27,527	2,674	-43,420	49,887
	2017	200,054	69,892	6,813	29,541	2,706	-41,426	47,214
Azerbaijan	2014	2,680	18	29	..	..	-2,324	309
	2015	2,634	15	26	..	..	-2,267	326
	2016	2,835	14	23	..	..	-2,494	304
	2017	2,688	12	20	..	..	-2,357	299
Bahrain	2014	357	..	..	..	..	-354	..
	2015	350	..	..	..	..	-351	..
	2016	356	..	..	..	..	-367	..
	2017	337	..	..	..	..	-315	..
Bangladesh	2014	246	7	..	..	136	0	78
	2015	294	7	..	..	178	0	85
	2016	321	8	..	..	154	..	146
	2017	409	6	..	..	138	..	256
Brunei Darussalam	2014	538	16	..	..	..	-408	117
	2015	621	18	..	..	..	-471	135
	2016	513	16	..	..	..	-435	85
	2017	544	17	..	..	..	-464	81
India	2014	*3,994	1,887	1,358	..	..	..	..
	2015	*4,016	489	2,517	..	..	..	..
	2016	*4,295	358	2,339	..	..	..	..
	2017	*4,609	2,210	1,220	..	..	..	..
Indonesia	2014	4,670	2,381	..	..	..	-1,968	913
	2015	4,886	1,631	..	..	..	-1,716	*189
	2016	4,857	1,410	..	..	1,792	649	..
	2017	4,285	1,162	..	..	*1,724	423	185
Iran (Islamic Rep. of)	2014	23,556	1,995	..	7,702	..	-10,133	1,587
	2015	22,532	1,860	..	10,176	..	-7,625	2,287
	2016	26,429	2,749	..	8,658	..	-16,438	2,243
	2017	30,250	2,720	..	10,336	..	-18,177	2,567
Iraq	2014	1,362	1,061	..	..	..	..	301
	2015	1,021	795	..	..	..	..	226
	2016	1,609	1,253	..	..	..	..	356
	2017	1,861	1,449	..	..	..	..	412
Japan	2014	261	..	..	..	..	6,817	6,854
	2015	242	..	..	..	..	6,498	6,490
	2016	236	..	..	..	..	6,004	6,149
	2017	240	..	..	..	..	2,049	2,055

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Kazakhstan	2014	12,918	1,433	..	..	..	-11,485	..
	2015	12,936	1,241	..	..	..	-11,695	..
	2016	12,462	*1,267	..	..	..	-11,195	..
	2017	13,270	1,238	..	..	..	-12,032	..
Kuwait	2014	6,377	4,442	..	1,935	..	..	..
	2015	6,680	4,745	..	1,935	..	..	..
	2016	7,803	5,868	..	1,935	..	..	..
	2017	8,784	6,849	..	1,935	..	..	..
Malaysia	2014	1,649	1,649	..	..	..	..	..
	2015	1,522	1,522	..	..	..	..	..
	2016	1,893	1,893	..	..	..	..	..
	2017	2,338	2,338	..	..	..	..	..
Myanmar	2014	7	4	4	..	..	1	..
	2015	8	4	4	..	..	..	..
	2016	10	6	4	..	..	..	..
	2017	12	8	4	..	..	..	..
Oman	2014	246	246	..	..	..	..	..
	2015	241	241	..	..	..	..	..
	2016	254	254	..	..	..	..	..
	2017	238	238	..	..	..	..	..
Pakistan	2014	277	277	..	..	..	189	..
	2015	467	467	..	..	..	1,235	..
	2016	489	489	..	..	..	3,656	..
	2017	571	*571	..	..	..	5,882	..
Qatar	2014	39,489	10,606	..	1,397	..	-18,951	8,534
	2015	39,625	9,782	..	1,573	..	-20,008	8,271
	2016	42,516	9,830	..	1,070	..	-22,439	9,188
	2017	42,546	9,682	..	960	..	-20,144	11,760
Saudi Arabia	2014	56,893	25,931	10,224	10,914	..	-212	9,612
	2015	45,632	25,931	*2,630	10,680	..	-153	9,624
	2016	47,854	27,829	*865	12,408	..	..	9,473
	2017	47,774	27,469	*350	12,590	..	4,095	8,416
Syrian Arab Republic	2014	95	95	..	..	..	..	..
	2015	76	76	..	..	..	..	..
	2016	76	76	..	..	..	..	..
	2017	76	76	..	..	..	..	..
Thailand	2014	6,375	4,271	..	2,106	..	-211	..
	2015	6,382	4,216	..	2,199	..	-65	..
	2016	6,415	4,377	..	2,059	..	-54	..
	2017	6,759	4,473	..	2,333	..	-33	..
Turkmenistan	2014	937	634	..	..	..	..	303
	2015	980	674	..	..	..	..	306
	2016	934	638	..	..	..	..	296
	2017	943	655	..	..	..	..	288
United Arab Emirates	2014	35,091	8,771	5,511	1,464	..	..	19,121
	2015	41,231	7,788	4,893	1,300	..	..	21,213
	2016	42,387	*10,765	*5,256	*1,397	..	..	19,808
	2017	28,076	8,305	5,219	1,387	..	..	18,919
Uzbekistan	2014	1,836	..	..	..	..	31	*1,867
	2015	1,728	..	..	..	..	97	*1,825
	2016	1,747	..	..	..	..	91	*1,839
	2017	1,953	..	..	..	..	23	*1,976

Table 26

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Viet Nam	2014	282	255	..	..	27	..	..
	2015	1,052	156	..	..	786	..	..
	2016	1,017	308	..	..	728	..	..
	2017	1,017	317	..	..	844	..	..
Yemen	2014	629	629	..	..	..	..	..
	2015	107	107	..	..	..	..	..
	2016	95	*95	..	..	..	..	..
	2017	*97	*97	..	..	..	..	..
Europe	2014	36,596	6,465	736	2,627	382	9,184	28,903
	2015	37,360	7,133	542	2,663	118	8,042	28,929
	2016	40,901	7,019	1,578	2,820	0	6,923	31,205
	2017	47,307	7,231	1,723	2,715	111	9,105	39,385
Austria	2014	23	..	..	..	..	153	175
	2015	21	..	..	..	..	31	53
	2016	6	..	..	..	..	0	6
	2017	37	..	..	..	..	..	37
Belarus	2014	72	..	..	..	..	..	..
	2015	66	..	..	..	..	..	..
	2016	63	..	..	..	..	..	..
	2017	74	..	..	..	..	..	..
Belgium	2014	..	..	..	..	..	544	242
	2015	..	..	..	..	..	114	45
	2016	..	..	..	..	..	58	46
	2017	..	..	..	..	..	23	0
Croatia	2014	54	36	..	0	..	..	18
	2015	56	39	..	0	..	..	17
	2016	59	40	..	..	..	..	19
	2017	64	42	..	..	..	..	22
Denmark	2014	..	..	..	..	..	..	..
	2015	..	-7	..	..	..	..	..
	2016	..	-8	..	..	..	..	..
	2017	..	-12	..	..	..	..	..
Finland	2014	..	..	..	..	..	641	652
	2015	..	..	..	..	..	815	765
	2016	..	..	..	..	..	904	938
	2017	..	..	..	..	..	1,367	1,272
France	2014	0	..	..	..	..	407	9
	2015	0	..	..	..	..	464	138
	2016	0	..	..	..	..	794	404
	2017	..	..	..	..	..	626	136
Hungary	2014	244	203	..	..	..	106	121
	2015	232	198	..	..	..	120	101
	2016	260	121	..	..	..	0	117
	2017	282	89	..	..	..	-19	130
Lithuania	2014	..	..	..	..	..	..	..
	2015	..	..	..	..	..	198	198
	2016	..	..	..	..	..	0	0
	2017	..	..	..	..	..	..	..
Netherlands	2014	369	..	..	..	382	6,429	2,754
	2015	402	..	..	..	118	6,638	3,575
	2016	291	..	..	..	0	6,019	3,042
	2017	240	..	..	..	111	6,919	4,141

Production of natural gas liquids - by end use

Thousand metric tons

Country or area	Year	Total production	End-use products				Net imports	Inputs of NGLs to refineries
			LPG	Naphthas	Ethane	Other products		
Norway	2014	9,517	5,383	736	1,684	..	..
	2015	9,848	5,811	542	1,667	..	..
	2016	10,263	5,799	1,578	1,636	..	..
	2017	10,504	5,964	1,723	1,483	..	..
Romania	2014	89	..	..	..	..	0	84
	2015	101	..	..	..	..	0	96
	2016	116	..	..	..	..	-33	77
	2017	96	..	..	..	..	-24	66
Russian Federation	2014	23,034	..	..	..	..	129	23,155
	2015	23,483	..	..	..	..	-1,122	22,354
	2016	26,019	..	..	..	..	-1,274	24,818
	2017	31,862	..	..	..	..	-1	31,874
Serbia	2014	36	..	..	..	..	60	96
	2015	31	..	..	..	..	65	96
	2016	33	..	..	..	..	60	93
	2017	35	..	..	..	..	40	76
Slovakia	2014	3	..	..	..	..	..	3
	2015	2	..	..	..	..	..	2
	2016	2	..	..	..	..	..	2
	2017	2	..	..	..	..	..	2
Ukraine	2014	701	..	..	..	..	..	707
	2015	656	..	..	..	..	..	642
	2016	650	..	..	..	..	14	665
	2017	665	..	..	..	..	109	762
United Kingdom	2014	2,454	843	..	943	..	715	887
	2015	2,462	1,092	..	996	..	719	847
	2016	3,139	1,067	..	1,184	..	381	978
	2017	3,446	1,148	..	1,232	..	65	867
Oceania	2014	2,216	2,207	..	436	..	-7	..
	2015	1,984	1,976	..	424	..	-9	..
	2016	1,821	1,817	..	450	..	-5	..
	2017	1,722	1,717	..	439	..	-2	..
Australia	2014	1,997	1,997	..	436	..	..	..
	2015	1,779	1,779	..	424	..	..	..
	2016	1,644	1,644	..	450	..	..	..
	2017	1,536	1,536	..	439	..	..	..
New Zealand	2014	219	210	..	..	..	-7	..
	2015	205	197	..	..	..	-9	..
	2016	177	173	..	..	..	-5	..
	2017	186	181	..	..	..	-2	..

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Table Notes

Production includes quantities from other sources, which would include any quantities of biogas, LPG or manufactured gas blended with natural gas.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 68: Production of natural gas by region, 1990-2017

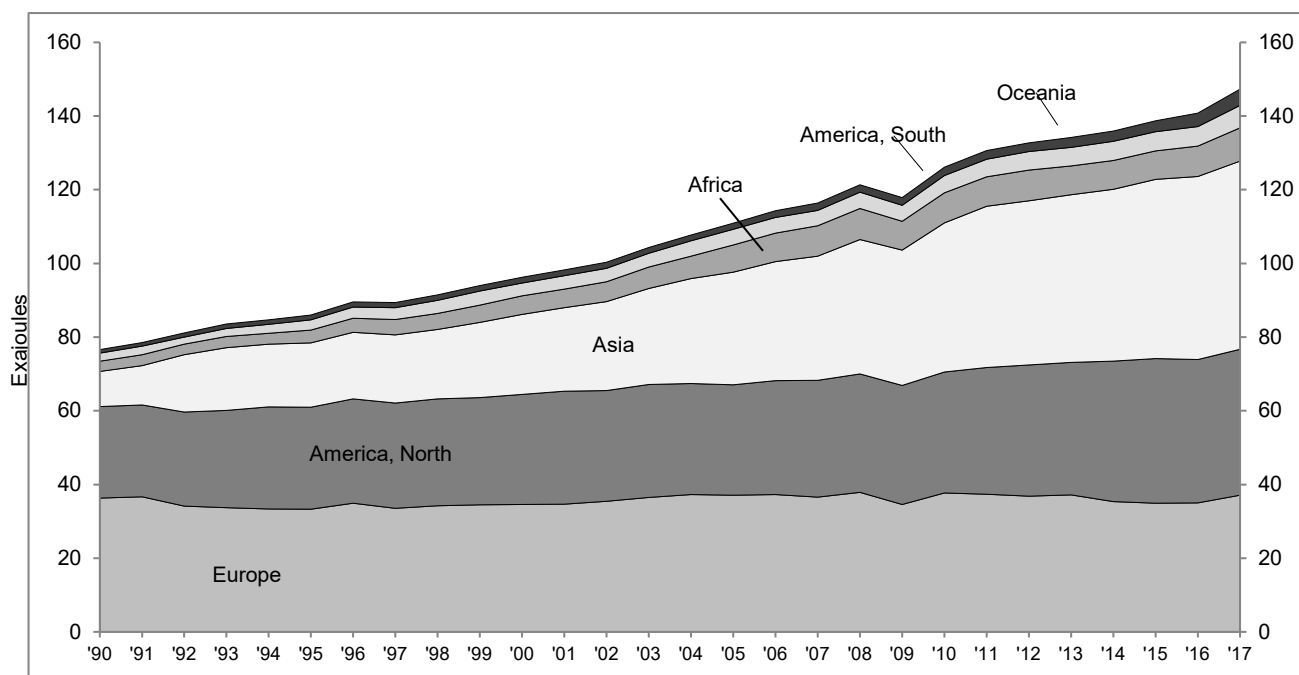


Figure 69: Major natural gas producing countries, 2017

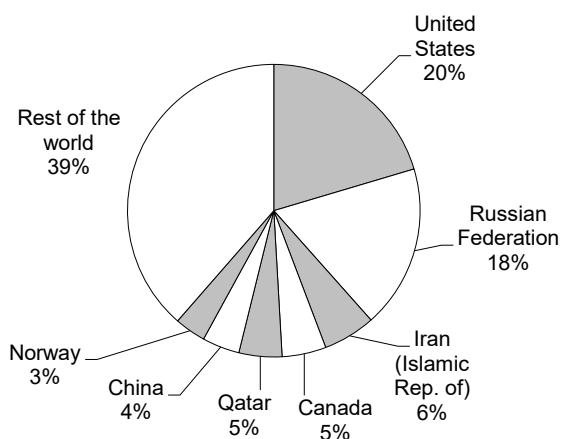


Figure 70: Major natural gas consuming countries, 2017

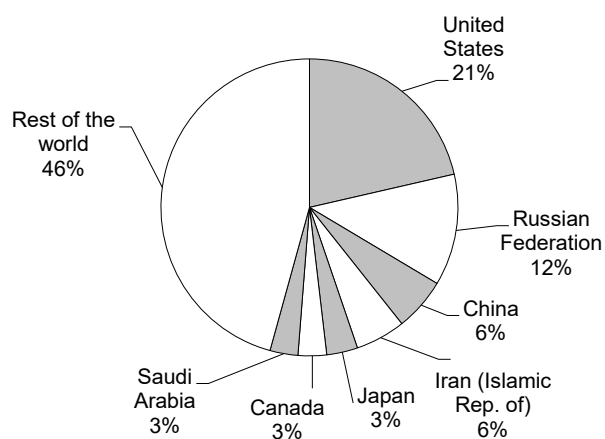


Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2014	135,927,157	39,440,851	39,796,891	476,363	135,094,754	18,520
	2015	138,735,103	40,690,964	40,696,263	704,001	138,025,803	18,706
	2016	140,809,244	42,132,551	41,884,326	-848,435	141,905,904	19,017
	2017	146,554,954	45,363,338	45,691,802	538,894	145,687,596	19,310
Africa	2014	7,805,097	372,881	3,326,421	7,000	4,844,558	4,181
	2015	7,744,749	606,794	3,352,267	10,000	4,989,276	4,198
	2016	8,197,149	712,422	3,713,985	-20,000	5,215,585	4,280
	2017	8,979,853	676,001	4,113,050	-21,790	5,564,594	4,454
Algeria	2014	3,266,332	..	1,765,448	..	1,500,884	38,373
	2015	3,322,561	..	1,721,361	..	1,601,200	40,159
	2016	3,705,161	..	2,105,807	..	1,599,354	39,387
	2017	3,784,257	..	2,107,290	2,888	1,674,079	40,517
Angola	2014	28,120	..	16,340	..	11,780	438
	2015	29,260	..	0	..	29,260	1,050
	2016	64,980	..	34,580	..	30,400	1,055
	2017	220,400	..	188,480	..	31,920	1,072
Benin	2014	..	..	..	..	..	..
	2015	..	1,211	..	..	1,211	115
	2016	..	76	..	..	76	7
	2017	..	1,526	..	..	1,526	137
Botswana	2014	..	..	..	..	..	..
	2015	..	89	..	..	89	40
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
Cameroon	2014	17,258	..	..	..	17,258	776
	2015	19,176	..	..	..	19,176	840
	2016	20,710	..	..	..	20,710	884
	2017	23,011	..	..	..	23,011	957
Congo	2014	10,632	..	..	..	10,632	2,183
	2015	19,968	..	..	..	19,968	3,997
	2016	22,868	..	..	..	22,868	4,461
	2017	24,045	..	..	..	24,045	4,571
Côte d'Ivoire	2014	76,838	..	..	..	76,838	3,410
	2015	78,464	..	..	..	78,464	3,395
	2016	97,045	..	..	..	97,045	4,095
	2017	87,679	..	..	..	87,679	3,609
Dem. Rep. of the Congo	2014	80	..	..	..	80	1
	2015	46	..	..	..	46	1
	2016	14	..	..	..	14	0
	2017	12	..	..	..	12	0
Egypt	2014	1,636,361	36,828	12,346	..	1,660,843	18,089
	2015	1,455,476	264,963	9,793	..	1,710,646	18,241
	2016	1,616,921	363,005	52,356	..	1,927,570	20,144
	2017	1,994,593	299,840	90,707	..	2,203,726	22,590
Equatorial Guinea	2014	*283,369	..	186,911	*7,000	*89,459	*79,207
	2015	*276,930	..	195,495	*10,000	*71,435	*60,776
	2016	*386,044	..	336,946	*-20,000	*69,097	*56,568
	2017	374,602	..	332,885	*-24,678	66,395	52,375
Gabon	2014	20,735	..	..	..	20,735	11,054
	2015	20,735	..	..	..	20,735	10,743
	2016	20,776	..	..	..	20,776	10,494
	2017	15,343	..	..	..	15,343	7,576

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Gambia	2014	..	*102	..	..	*102	*53
	2015	..	*105	..	..	*105	*53
	2016	..	*106	..	..	*106	*52
	2017	..	*107	..	..	*107	*51
Ghana	2014	2,200	23,781	..	..	25,981	964
	2015	27,846	21,763	..	..	49,609	1,799
	2016	24,573	4,223	..	..	28,796	1,021
	2017	35,607	12,358	..	..	47,965	1,664
Guinea	2014	*3	..	..	..	*3	0
	2015	*3	..	..	..	*3	0
	2016	*3	..	..	..	*3	0
	2017	*3	..	..	..	*3	0
Libya	2014	473,100	..	247,380	..	225,720	36,382
	2015	440,800	..	270,180	..	170,620	27,365
	2016	376,200	..	182,400	..	193,800	30,795
	2017	345,800	..	174,800	..	171,000	26,825
Morocco	2014	3,198	42,433	..	..	45,631	1,310
	2015	3,081	44,154	..	..	47,235	1,337
	2016	2,836	45,198	..	..	48,034	1,341
	2017	2,870	44,819	..	..	47,689	1,314
Mozambique	2014	177,257	..	150,276	..	26,981	991
	2015	190,314	..	154,898	..	35,416	1,264
	2016	144,433	..	117,636	..	26,797	930
	2017	192,403	..	164,008	..	28,395	957
Nigeria	2014	1,611,963	..	947,720	..	664,243	3,764
	2015	1,660,131	..	1,000,540	..	659,591	3,640
	2016	1,531,400	..	884,260	..	647,140	3,479
	2017	1,713,800	..	1,054,880	..	658,920	3,452
Rwanda	2014	*161	..	..	..	*161	*14
	2015	*240	..	..	..	*240	*21
	2016	*1,100	..	..	..	*1,100	*92
	2017	*753	..	..	..	*753	*62
Senegal	2014	1,466	..	..	..	1,466	101
	2015	946	..	..	..	946	63
	2016	878	..	..	..	878	57
	2017	736	..	..	..	736	46
South Africa	2014	40,752	143,040	0	..	183,792	3,370
	2015	47,680	154,898	..	..	202,578	3,664
	2016	42,790	163,008	..	..	205,798	3,674
	2017	34,232	164,008	..	..	198,240	3,495
Togo	2014	..	*1,481	..	..	*1,481	*205
	2015	..	*1,467	..	..	*1,467	*198
	2016	..	*262	..	..	*262	*34
	2017	..	0	..	..	0	0
Tunisia	2014	119,881	125,217	..	..	245,098	21,994
	2015	117,088	118,144	..	..	235,232	20,866
	2016	106,061	136,543	..	..	242,604	21,275
	2017	99,519	153,343	..	..	252,862	21,927
United Rep. of Tanzania	2014	35,391	..	..	..	35,391	678
	2015	34,003	..	..	..	34,003	631
	2016	32,357	..	..	..	32,357	582
	2017	30,188	..	..	..	30,188	527

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
America, North	2014	38,053,501	4,950,247	5,412,945	372,562	37,218,240	65,797
	2015	39,300,047	5,205,039	5,647,008	664,527	38,193,551	66,910
	2016	38,921,511	5,791,203	6,229,775	-339,702	38,822,641	67,405
	2017	39,624,964	5,979,941	7,365,044	-233,675	38,473,536	66,211
Barbados	2014	554	..	..	..	554	1,955
	2015	647	..	..	..	647	2,278
	2016	542	*111	..	..	653	2,290
	2017	457	*221	..	..	678	2,372
Belize	2014	78	..	..	*-3	81	231
	2015	81	..	..	*-13	95	263
	2016	81	..	..	*-13	94	257
	2017	63	..	..	*-18	81	216
Canada	2014	6,399,978	853,770	3,040,889	67,840	4,145,019	116,418
	2015	6,473,252	770,134	3,070,656	95,673	4,077,057	113,410
	2016	6,907,454	791,439	3,199,060	75,203	4,424,630	121,925
	2017	7,137,611	934,154	3,305,014	74,566	4,692,185	128,117
Cuba	2014	46,821	..	..	..	46,821	4,093
	2015	48,562	..	..	..	48,562	4,237
	2016	46,255	..	..	..	46,255	4,031
	2017	41,003	..	..	..	41,003	3,570
Curaçao	2014	..	..	..	..	..	..
	2015	..	5,584	..	..	5,584	35,342
	2016	..	*5,600	..	..	*5,600	*35,138
	2017	..	*4,700	..	..	*4,700	*29,276
Dominican Republic	2014	..	39,639	..	-1,107	40,746	3,916
	2015	..	41,937	..	778	41,159	3,909
	2016	..	38,507	..	-338	38,845	3,648
	2017	..	46,107	..	81	46,027	4,275
Jamaica	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	355	..	..	355	123
	2017	..	4,089	..	..	4,089	1,415
Mexico	2014	1,757,953	1,099,188	1,796	15,596	2,839,749	22,860
	2015	1,621,487	1,403,732	1,140	-6,781	3,030,860	24,075
	2016	1,426,626	1,653,977	1,017	-10,064	3,089,650	24,225
	2017	1,237,433	1,661,018	662	-15,877	2,913,666	22,558
Puerto Rico	2014	..	60,736	..	..	60,736	17,586
	2015	..	57,717	..	..	57,717	17,068
	2016	..	65,818	..	..	65,818	20,047
	2017	..	54,411	..	..	54,411	17,199
Trinidad and Tobago	2014	1,595,661	..	756,857	..	838,804	619,275
	2015	1,488,155	..	681,865	..	806,290	592,820
	2016	1,305,208	..	579,166	..	726,042	531,914
	2017	1,299,510	..	596,636	..	702,874	513,375
United States	2014	28,252,455	2,896,914	1,613,403	290,236	29,245,730	92,049
	2015	29,667,863	2,925,935	1,893,347	574,871	30,125,580	94,163
	2016	29,235,344	3,235,397	2,450,532	-404,490	30,424,699	94,434
	2017	29,908,887	3,275,241	3,462,732	-292,426	30,013,822	92,504
America, South	2014	5,168,706	1,357,310	949,505	-1,835	5,578,346	13,538
	2015	5,217,635	1,277,966	902,810	244	5,592,546	13,438
	2016	5,373,860	1,012,496	886,680	1,183	5,498,493	13,086
	2017	5,362,148	982,547	843,373	260	5,501,061	12,971

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Argentina	2014	1,451,940	437,640	1,933	315	1,887,332	43,910
	2015	1,501,710	403,130	3,081	350	1,901,409	43,793
	2016	1,574,580	385,560	2,170	350	1,957,620	44,646
	2017	1,561,420	401,380	2,662	-350	1,960,488	44,284
Bolivia (Plur. State of)	2014	852,155	..	696,662	..	155,493	14,722
	2015	845,396	..	685,524	..	159,872	14,907
	2016	805,483	..	629,414	..	176,069	16,171
	2017	773,190	..	603,112	..	170,078	15,389
Brazil	2014	838,045	748,204	..	..	1,586,249	7,768
	2015	856,061	712,865	..	..	1,568,926	7,618
	2016	888,729	454,181	..	..	1,342,910	6,467
	2017	996,545	415,166	..	..	1,411,711	6,745
Chile	2014	31,237	135,609	..	-2,150	168,996	9,595
	2015	39,414	145,745	..	-106	185,265	10,430
	2016	47,202	170,076	14,084	833	202,361	11,299
	2017	47,932	163,040	8,236	610	202,126	11,195
Colombia	2014	496,589	..	35,810	..	460,779	9,641
	2015	482,863	..	13,254	..	469,609	9,737
	2016	444,549	504	0	..	445,053	9,147
	2017	456,210	505	..	..	456,715	9,308
Ecuador	2014	33,135	..	..	..	33,135	2,084
	2015	31,179	..	..	..	31,179	1,931
	2016	33,658	..	..	..	33,658	2,054
	2017	31,263	..	..	..	31,263	1,880
Falkland Is. (Malvinas)	2014	..	4	..	..	4	1,420
	2015	..	4	..	..	4	1,518
	2016	..	4	..	..	4	1,443
	2017	..	4	..	..	4	1,478
Peru	2014	551,194	..	215,100	..	336,094	10,851
	2015	531,223	..	200,951	..	330,272	10,526
	2016	588,387	..	241,012	..	347,375	10,933
	2017	523,266	..	229,363	..	293,903	9,137
Suriname	2014	149	..	..	..	149	272
	2015	152	..	..	..	152	274
	2016	136	..	..	..	136	244
	2017	136	..	..	..	136	242
Uruguay	2014	..	1,885	..	..	1,885	551
	2015	..	1,919	..	..	1,919	559
	2016	..	2,171	..	..	2,171	630
	2017	..	2,451	..	..	2,451	709
Venezuela (Bolivar. Rep.)	2014	914,262	33,968	..	..	948,230	30,848
	2015	929,637	14,302	..	..	943,939	30,298
	2016	991,136	0	..	..	991,136	31,397
	2017	972,186	0	..	..	972,186	30,403
Asia	2014	46,704,208	15,430,470	13,119,447	60,841	48,954,390	11,185
	2015	48,587,359	15,429,359	12,626,844	-3,556	51,393,429	11,626
	2016	49,699,856	16,010,843	12,746,599	-96,655	53,060,755	11,888
	2017	51,123,112	17,379,140	12,965,778	94,269	55,442,204	12,306
Afghanistan	2014	5,537	..	..	..	5,537	169
	2015	5,705	..	..	..	5,705	169
	2016	6,450	..	..	..	6,450	186
	2017	6,091	..	..	..	6,091	171

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Armenia	2014	..	91,295	707	..	90,587	31,170
	2015	..	88,034	4,872	1,270	81,892	28,075
	2016	..	85,947	739	-73	85,281	29,158
	2017	..	91,556	..	905	90,652	30,934
Azerbaijan	2014	735,363	..	316,120	-11,730	430,972	45,348
	2015	751,362	..	318,152	-12,652	445,862	46,360
	2016	731,110	11,656	314,398	-8,859	437,226	44,957
	2017	710,345	82,413	345,951	22,143	424,664	43,211
Bahrain	2014	576,341	..	..	-1	576,342	431,266
	2015	574,065	..	..	-6	574,071	418,463
	2016	552,332	..	..	-3	552,335	387,557
	2017	568,359	..	..	-636	568,995	381,215
Bangladesh	2014	904,663	..	..	-29,076	933,739	5,858
	2015	985,805	..	..	-5,047	990,852	6,147
	2016	1,075,390	..	..	-13,176	1,088,566	6,680
	2017	1,070,946	..	..	-19,967	1,090,912	6,625
Brunei Darussalam	2014	461,001	..	324,848	-1,514	137,667	334,383
	2015	437,932	..	334,342	4,165	99,425	238,120
	2016	422,384	..	315,089	-1,260	108,555	256,512
	2017	462,777	..	327,214	-3,125	138,688	323,511
China	2014	5,080,315	2,204,773	97,211	..	7,187,877	5,171
	2015	5,294,673	2,279,548	120,909	..	7,453,312	5,335
	2016	5,532,939	2,780,352	125,902	..	8,187,390	5,834
	2017	6,046,598	3,526,510	131,677	..	9,441,431	6,698
China, Hong Kong SAR	2014	28,835	94,480	..	0	123,315	17,140
	2015	28,403	123,628	..	..	152,031	20,982
	2016	28,814	126,743	..	..	155,557	21,301
	2017	29,049	126,387	..	..	155,436	21,105
China, Macao SAR	2014	..	2,278	..	..	2,278	3,869
	2015	..	83	..	1	82	136
	2016	..	370	..	-1	371	606
	2017	..	6,847	..	2	6,845	10,995
Georgia	2014	399	84,913	..	0	85,312	21,369
	2015	442	97,253	3,889	..	93,806	23,739
	2016	257	87,706	0	..	87,963	22,409
	2017	331	90,821	..	..	91,152	23,300
India	2014	1,279,108	603,655	..	..	1,882,763	1,455
	2015	*1,218,477	*792,217	..	..	*2,010,694	*1,536
	2016	1,228,788	717,628	..	..	1,946,416	1,470
	2017	1,257,639	765,392	..	..	2,023,031	1,511
Indonesia	2014	2,689,941	..	1,421,118	..	1,268,823	4,973
	2015	2,644,065	..	763,735	-35,667	1,915,997	7,422
	2016	2,605,595	..	751,961	..	1,853,634	7,099
	2017	2,496,383	..	781,916	..	1,714,467	6,494
Iran (Islamic Rep. of)	2014	6,894,782	293,664	378,340	..	6,810,107	86,851
	2015	7,271,954	334,293	353,776	..	7,252,470	91,386
	2016	7,864,956	230,942	356,898	..	7,739,000	96,403
	2017	8,489,798	151,954	520,558	..	8,121,194	100,061
Iraq	2014	256,790	..	..	..	256,790	7,336
	2015	263,997	..	..	..	263,997	7,310
	2016	290,397	..	..	..	290,397	7,806
	2017	329,997	..	..	..	329,997	8,622

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Israel	2014	288,144	4,606	..	..	292,750	36,864
	2015	314,234	6,130	..	..	320,364	39,725
	2016	352,712	13,653	..	..	366,365	44,723
	2017	385,200	19,350	2,850	..	401,700	48,272
Japan	2014	193,323	4,851,148	..	2,989	5,041,482	39,337
	2015	179,247	4,551,428	..	140	4,730,535	36,965
	2016	184,025	4,615,551	..	-1,394	4,800,970	37,581
	2017	196,206	4,568,897	..	-5,578	4,770,681	37,422
Jordan	2014	4,082	8,508	..	..	12,590	1,429
	2015	4,232	77,168	..	..	81,400	8,887
	2016	3,610	167,080	28,789	..	141,900	15,007
	2017	3,847	202,013	42,584	..	163,276	16,828
Kazakhstan	2014	1,454,817	162,714	409,593	-11,435	1,219,373	69,727
	2015	1,551,868	227,408	495,794	6,143	1,277,339	71,964
	2016	1,630,883	267,676	577,495	-15,419	1,336,483	74,300
	2017	1,847,913	244,878	693,785	11,338	1,387,668	76,227
Korea, Republic of	2014	13,425	2,047,587	..	54,274	2,006,738	39,828
	2015	7,854	1,811,665	..	-10,889	1,830,408	36,179
	2016	6,441	1,842,548	..	-72,900	1,921,889	37,838
	2017	14,203	2,029,463	..	33,352	2,010,314	39,432
Kuwait	2014	571,094	125,780	..	..	696,874	184,239
	2015	642,542	151,620	..	..	794,162	201,779
	2016	657,058	188,480	..	..	845,538	208,642
	2017	649,866	210,140	..	..	860,006	207,905
Kyrgyzstan	2014	1,249	9,248	..	..	10,497	1,818
	2015	1,154	9,522	..	..	10,676	1,820
	2016	1,043	10,087	..	..	11,130	1,869
	2017	939	10,866	..	..	11,805	1,953
Malaysia	2014	2,534,918	270,788	1,211,853	..	1,593,853	52,728
	2015	2,419,659	327,148	1,177,257	..	1,569,550	51,087
	2016	2,393,324	286,035	1,184,751	..	1,494,608	47,924
	2017	2,430,873	292,784	1,292,015	..	1,431,642	45,270
Myanmar	2014	594,533	..	496,360	..	98,173	1,891
	2015	713,772	..	493,249	..	220,523	4,208
	2016	744,589	..	580,338	..	164,251	3,106
	2017	710,324	..	*538,261	..	172,063	3,224
Oman	2014	1,260,364	81,558	427,842	..	914,080	230,774
	2015	1,315,495	82,386	417,000	..	980,881	233,554
	2016	1,343,097	81,558	443,688	..	980,967	221,699
	2017	1,348,927	81,558	464,955	..	965,530	208,256
Other Asia	2014	12,706	666,548	..	44,223	635,031	27,122
	2015	12,519	713,974	..	38,348	688,145	29,301
	2016	10,767	743,987	..	36,153	718,601	30,505
	2017	8,899	827,923	..	4,448	832,374	35,231
Pakistan	2014	1,256,274	7,944	..	-1,232	1,265,450	6,820
	2015	1,274,671	51,733	..	-1,239	1,327,643	7,010
	2016	*1,196,000	153,081	..	*-1,246	*1,350,327	*6,989
	2017	*1,211,021	246,283	..	..	*1,457,304	*7,397
Philippines	2014	144,030	..	..	..	144,030	1,439
	2015	135,403	..	..	..	135,403	1,331
	2016	155,132	..	..	..	155,132	1,501
	2017	153,033	..	..	..	153,033	1,459

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Qatar	2014	6,623,756	..	4,633,333	..	1,990,423	838,278
	2015	6,904,885	..	4,883,124	..	2,021,761	814,721
	2016	6,993,189	..	5,040,310	..	1,952,879	759,933
	2017	6,968,079	..	5,075,819	..	1,892,260	716,979
Saudi Arabia	2014	3,234,801	..	..	..	3,234,801	105,105
	2015	4,075,743	..	..	..	4,075,743	129,154
	2016	4,325,868	..	..	..	4,325,868	134,029
	2017	4,487,415	..	..	..	4,487,415	136,237
Singapore	2014	..	394,303	..	3,692	390,611	71,694
	2015	..	395,798	..	-1,732	397,530	71,818
	2016	..	405,304	..	-2,159	407,463	72,471
	2017	..	413,314	..	3,598	409,715	71,769
Syrian Arab Republic	2014	184,730	0	..	..	184,730	9,620
	2015	162,110	..	..	..	162,110	8,653
	2016	141,375	..	..	..	141,375	7,671
	2017	139,490	..	..	..	139,490	7,635
Tajikistan	2014	122	..	..	..	122	15
	2015	156	..	..	..	156	18
	2016	118	..	..	..	118	13
	2017	81	..	..	..	81	9
Thailand	2014	1,348,418	411,810	..	..	1,760,228	25,728
	2015	1,199,937	556,232	..	..	1,756,169	25,579
	2016	1,176,806	541,690	..	..	1,718,496	24,955
	2017	1,098,964	576,394	..	..	1,675,358	24,267
Turkey	2014	18,357	1,886,840	24,231	10,651	1,870,315	24,280
	2015	14,584	1,855,031	23,899	13,608	1,832,108	23,407
	2016	14,068	1,775,476	25,923	-16,318	1,779,939	22,386
	2017	13,564	2,116,077	24,158	47,789	2,057,694	25,484
Turkmenistan	2014	3,033,014	..	2,078,697	..	954,317	174,584
	2015	3,171,309	..	2,178,093	..	993,216	178,466
	2016	3,022,406	..	2,029,190	..	993,216	175,401
	2017	3,050,065	..	2,056,849	..	993,216	172,491
United Arab Emirates	2014	2,116,679	1,121,503	527,564	..	2,710,617	298,827
	2015	2,348,323	893,893	515,077	..	2,727,139	297,908
	2016	2,383,547	874,070	515,077	..	2,742,540	295,864
	2017	2,338,213	697,320	267,898	..	2,767,635	294,425
Uzbekistan	2014	2,113,425	4,528	418,846	..	1,699,107	55,709
	2015	2,130,564	3,166	467,909	..	1,665,822	53,778
	2016	2,190,329	3,224	456,051	..	1,737,502	55,252
	2017	2,210,234	0	399,288	..	1,810,946	56,751
Viet Nam	2014	398,404	..	..	..	398,404	4,305
	2015	415,964	..	..	..	415,964	4,445
	2016	414,013	..	..	..	414,013	4,378
	2017	363,390	..	..	..	363,390	3,804
Yemen	2014	390,467	..	352,783	..	37,684	1,436
	2015	114,254	..	75,768	..	38,486	1,430
	2016	20,045	..	..	..	20,045	727
	2017	24,053	..	..	..	24,053	851
Europe	2014	35,401,218	17,087,578	15,671,117	38,161	36,779,518	49,539
	2015	34,898,653	17,949,176	16,705,033	34,903	36,107,893	48,594
	2016	35,002,802	18,354,446	16,186,079	-394,227	37,565,396	50,511
	2017	37,058,969	20,116,649	17,439,706	702,952	39,032,959	52,438

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Albania	2014	1,155	..	..	..	1,155	395
	2015	1,273	..	..	..	1,273	435
	2016	3,308	..	..	..	3,308	1,130
	2017	1,741	..	..	..	1,741	594
Austria	2014	50,295	389,284	92,121	47,663	299,795	34,726
	2015	48,006	454,425	222,344	-39,579	319,666	36,834
	2016	44,897	551,640	267,595	-2,171	331,113	38,006
	2017	48,516	536,749	210,482	13,023	361,760	41,413
Belarus	2014	6,488	774,448	..	-5,909	786,845	82,958
	2015	6,797	725,707	..	-4,094	736,598	77,653
	2016	6,488	719,914	..	-5,677	732,079	77,223
	2017	5,793	734,359	..	-8,999	749,151	79,122
Belgium	2014	..	631,832	34,200	6,915	590,717	52,653
	2015	..	712,799	67,081	-4,384	650,102	57,593
	2016	..	695,889	26,955	3,700	665,234	58,568
	2017	..	693,067	29,998	-10,819	673,888	58,961
Bosnia and Herzegovina	2014	..	7,043	..	..	7,043	1,975
	2015	..	8,254	..	..	8,254	2,334
	2016	..	8,592	..	..	8,592	2,443
	2017	..	9,292	..	..	9,292	2,650
Bulgaria	2014	7,419	103,460	73	898	109,908	15,218
	2015	3,931	117,186	91	318	120,708	16,818
	2016	3,566	120,650	107	-868	124,977	17,525
	2017	3,082	126,673	1,246	9	128,500	18,138
Croatia	2014	67,163	43,542	16,681	81	93,943	22,065
	2015	68,450	40,371	14,124	-2,153	96,850	22,863
	2016	63,692	48,902	15,057	-3,437	100,974	23,966
	2017	57,197	70,106	7,700	3,617	115,986	27,686
Czechia	2014	9,859	276,915	45	-863	287,592	27,135
	2015	9,529	286,767	0	-5,282	301,578	28,441
	2016	8,384	312,387	..	-5,628	326,399	30,761
	2017	8,768	341,211	..	14,989	334,990	31,548
Denmark	2014	192,882	26,024	87,155	936	130,815	23,096
	2015	193,912	27,493	91,499	-3,912	133,818	23,523
	2016	192,046	28,463	88,240	-5,071	137,340	24,045
	2017	208,080	21,606	93,373	2,809	133,504	23,285
Estonia	2014	..	20,262	..	..	20,262	15,369
	2015	..	18,164	..	..	18,164	13,810
	2016	..	19,923	..	..	19,923	15,180
	2017	..	18,885	..	..	18,885	14,420
Finland	2014	135	116,925	11	..	117,049	21,439
	2015	302	104,042	11	..	104,333	19,032
	2016	327	95,787	15	..	96,099	17,463
	2017	400	89,099	..	-1,000	90,499	16,385
France	2014	697	1,869,780	295,516	58,513	1,516,448	22,832
	2015	1,186	1,832,029	226,317	-23,468	1,630,366	24,442
	2016	1,611	1,918,226	155,205	-17,340	1,781,972	26,602
	2017	2,120	2,007,600	252,252	-34,622	1,792,090	26,642
Germany	2014	319,315	3,504,877	868,427	7,587	2,948,178	36,179
	2015	294,709	3,996,950	1,267,332	-6,653	3,030,980	37,095
	2016	304,749	3,796,620	899,143	-69,540	3,271,766	39,941
	2017	280,465	4,453,882	1,251,405	-21,906	3,504,848	42,683

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Greece	2014	253	114,747	..	-570	115,570	10,259
	2015	219	124,377	..	66	124,530	11,101
	2016	446	161,072	..	-824	162,342	14,516
	2017	422	196,550	..	1,417	195,555	17,523
Hungary	2014	66,863	345,937	28,733	59,282	324,785	33,096
	2015	63,688	264,077	21,315	-41,978	348,428	35,612
	2016	66,468	336,120	41,533	-12,394	373,449	38,290
	2017	65,627	519,322	136,859	50,724	397,366	40,875
Ireland	2014	6,153	167,089	..	-382	173,624	37,049
	2015	5,246	168,442	..	-1,179	174,867	37,205
	2016	115,739	79,082	..	-2,734	197,555	41,801
	2017	132,498	65,565	..	-2,557	200,620	42,132
Isle of Man	2014	..	4,645	..	..	4,645	56,242
	2015	..	4,220	..	..	4,220	50,741
	2016	..	4,768	..	..	4,768	56,940
	2017	..	4,748	..	..	4,748	56,331
Italy	2014	272,377	2,124,342	9,030	28,842	2,358,847	39,566
	2015	257,975	2,334,234	8,420	11,163	2,572,626	43,210
	2016	220,409	2,487,320	8,077	-2,210	2,701,862	45,438
	2017	211,346	2,653,666	10,385	-8,968	2,863,595	48,214
Latvia	2014	..	36,291	..	-14,027	50,318	24,958
	2015	..	50,364	..	-733	51,097	25,643
	2016	..	42,930	..	-8,860	51,790	26,282
	2017	..	47,111	..	919	46,192	23,692
Liechtenstein	2014	..	954	..	..	954	25,693
	2015	..	1,018	..	..	1,018	27,220
	2016	..	1,012	..	..	1,012	26,857
	2017	..	1,061	..	..	1,061	27,986
Lithuania	2014	..	100,049	37	3,971	96,041	32,426
	2015	..	99,602	3,706	-283	96,179	32,804
	2016	..	87,896	1,707	518	85,671	29,458
	2017	..	96,757	7,980	-608	89,385	30,926
Luxembourg	2014	190	39,224	..	..	39,414	70,848
	2015	222	35,771	..	..	35,993	63,509
	2016	218	32,988	..	..	33,206	57,675
	2017	248	32,245	..	..	32,493	55,691
Malta	2014	..	..	..	..	..	..
	2015	..	..	..	..	..	..
	2016	..	..	..	..	..	..
	2017	..	11,829	..	584	11,245	26,100
Netherlands	2014	2,420,673	1,038,556	2,051,889	48,223	1,359,117	80,472
	2015	1,839,292	1,360,066	1,848,263	15,058	1,336,037	78,876
	2016	1,776,159	1,538,076	1,996,314	-83,730	1,401,651	82,512
	2017	1,547,906	1,805,026	1,868,489	41,384	1,443,059	84,707
North Macedonia	2014	..	5,164	..	-7	5,171	2,489
	2015	..	4,689	..	2	4,688	2,255
	2016	..	7,371	..	-1	7,372	3,542
	2017	..	9,487	..	7	9,480	4,551
Norway	2014	4,456,477	0	4,186,783	815	268,879	52,308
	2015	4,784,439	213	4,500,753	-1,797	285,696	54,943
	2016	4,760,715	160	4,501,580	-445	259,740	49,430
	2017	5,057,651	0	4,837,764	2,152	217,735	41,040

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Poland	2014	173,349	451,673	2,880	-1,432	623,574	16,284
	2015	171,329	464,842	2,112	-6,790	640,849	16,748
	2016	165,272	566,852	33,294	18,084	680,746	17,809
	2017	163,373	606,014	47,232	3,664	718,491	18,823
Portugal	2014	..	161,638	..	58	161,580	15,431
	2015	..	189,121	..	673	188,448	18,088
	2016	..	198,228	..	-2,873	201,101	19,390
	2017	..	252,977	..	1,053	251,924	24,389
Republic of Moldova	2014	3	35,655	..	44	35,614	8,750
	2015	3	34,146	..	-48	34,197	8,411
	2016	4	35,159	..	58	35,105	8,647
	2017	4	35,006	..	-52	35,062	8,655
Romania	2014	407,772	21,643	..	-5,510	434,925	21,776
	2015	408,689	7,512	38	1,330	414,833	20,870
	2016	362,111	54,722	44	-2,995	419,784	21,225
	2017	396,451	44,318	965	-7,719	447,523	22,741
Russian Federation	2014	24,717,453	328,549	7,247,337	-130,976	17,929,641	124,718
	2015	24,391,734	336,386	7,674,559	108,497	16,945,064	117,766
	2016	24,497,172	341,547	7,598,211	-32,037	17,272,545	119,978
	2017	26,435,579	335,736	8,134,694	571,303	18,065,318	125,463
Serbia	2014	20,639	51,661	..	-2,548	74,848	10,597
	2015	21,207	64,461	..	4,242	81,426	11,551
	2016	19,381	66,499	..	-2,106	87,986	12,562
	2017	18,117	80,849	..	474	98,491	14,151
Slovakia	2014	3,900	184,049	116	12,344	175,489	32,302
	2015	3,620	171,542	0	-5,310	180,472	33,179
	2016	3,562	168,251	..	-9,398	181,211	33,285
	2017	5,433	203,191	..	16,185	192,439	35,325
Slovenia	2014	120	29,002	..	..	29,122	14,063
	2015	120	30,784	..	..	30,904	14,895
	2016	199	32,600	..	..	32,799	15,785
	2017	334	34,170	143	..	34,361	16,520
Spain	2014	968	1,472,594	332,704	39,902	1,100,956	23,665
	2015	2,516	1,311,020	205,013	-32,990	1,141,513	24,603
	2016	2,231	1,311,571	161,381	-12,427	1,164,848	25,133
	2017	1,439	1,401,449	116,622	17,502	1,268,764	27,371
Sweden	2014	..	36,939	..	..	36,939	3,812
	2015	..	33,662	..	..	33,662	3,448
	2016	..	38,064	..	..	38,064	3,869
	2017	..	43,870	205	..	43,665	4,406
Switzerland	2014	767	124,205	..	..	124,972	15,117
	2015	944	132,689	..	..	133,633	15,990
	2016	1,109	139,395	..	..	140,504	16,649
	2017	1,228	139,993	..	..	141,221	16,587
Ukraine	2014	700,102	731,493	..	-124,268	1,555,863	34,665
	2015	689,341	618,333	..	95,251	1,212,423	27,149
	2016	705,926	409,787	..	-75,351	1,191,064	26,802
	2017	719,737	523,927	..	101,424	1,142,240	25,829
United Kingdom	2014	1,497,751	1,717,087	417,379	8,579	2,788,880	42,895
	2015	1,629,974	1,783,417	552,055	-21,064	2,882,400	44,075
	2016	1,676,613	1,895,984	391,621	-58,470	3,239,446	49,240
	2017	1,685,414	1,869,252	431,912	-43,038	3,165,792	47,835

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Oceania	2014	2,794,427	242,365	1,317,457	-367	1,719,702	44,134
	2015	2,986,661	222,631	1,462,301	-2,117	1,749,108	44,239
	2016	3,614,067	251,141	2,121,208	966	1,743,034	43,454
	2017	4,405,910	229,061	2,964,851	-3,122	1,673,242	41,126
Australia	2014	2,527,511	242,362	1,266,420	..	1,503,453	64,046
	2015	2,685,721	222,631	1,365,963	..	1,542,389	64,807
	2016	3,297,282	251,141	2,018,673	..	1,529,750	63,407
	2017	4,085,436	229,061	2,857,753	..	1,456,744	59,579
Fiji	2014	..	3	..	..	3	3
	2015	..	0	..	..	0	0
	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
New Zealand	2014	204,030	..	..	-367	204,397	44,758
	2015	188,106	..	..	-2,117	190,223	41,223
	2016	196,791	..	..	966	195,825	42,015
	2017	194,413	..	..	-3,122	197,535	41,977
Papua New Guinea	2014	62,886	..	51,037	..	11,849	1,528
	2015	112,834	..	96,338	..	16,496	2,083
	2016	119,994	..	102,535	..	17,459	2,159
	2017	126,061	..	107,098	..	18,963	2,298

Table 28

**International trade of natural gas
(Principal importers/exporters)**

Terajoules

2016

Importers	Exporters							
	World	Algeria	Australia	Bolivia (Plur. State of)	Canada	Germany	Indonesia	Malaysia
Argentina	385,560	8,810	..	*239,217	..	..	..	..
Austria	551,640	..	..	..	..	1,210	..	..
Belarus	719,914	..	..	..	..	..	..	..
Belgium	695,889	110	..	..	..	29,146	..	..
Brazil	454,181	8,120	..	340,557	..	..	..	..
Canada	791,439	..	..	..	..	..	..	..
China	2,780,352	19,689	*395,168	..	..	..	54,222	81,163
Czechia	312,387	..	..	..	..	..	..	..
France	1,918,226	196,472	..	..	..	24,972	..	..
Germany	3,796,620	..	..	..	..	..	..	..
Hungary	336,120	..	..	..	..	..	..	..
India	717,628	8,014	57,945	..	..	..	..	3,184
Italy	2,487,320	734,797	..	..	..	72,123	..	..
Japan	4,615,551	13,608	1,279,972	..	..	..	362,283	846,820
Kazakhstan	267,676	..	..	..	..	..	..	..
Korea, Republic of	1,842,548	6,876	264,674	..	..	..	240,676	211,736
Malaysia	286,035	..	..	..	..	..	40,439	..
Mexico	1,653,977	3,187	13,095	..	..	..	9,524	..
Netherlands	1,538,076	3,470	..	..	..	213,631	..	..
Poland	566,852	..	..	..	..	101,858	..	..
Portugal	198,228	98,692	..	..	..	..	..	..
Russian Federation	341,547	..	..	..	..	..	..	..
Singapore	405,304	..	..	..	..	..	*24,417	*35,779
Slovakia	168,251	..	..	..	..	..	..	..
Spain	1,311,571	745,331	..	..	..	..	..	..
Thailand	541,690	1,274	..	..	..	..	1,327	..
Turkey	1,775,476	164,106	..	..	..	..	..	..
Ukraine	409,787	..	..	..	..	97,748	..	..
United Arab Emirates	874,070	..	..	..	..	..	..	..
United Kingdom	1,895,984	17,195	..	..	..	..	..	..
United States	3,235,397	..	..	..	3,137,363	..	..	..

**International trade of natural gas
(Principal importers/exporters)**

Terajoules

2016

Exporters							
Netherlands	Nigeria	Norway	Qatar	Russian Federation	Trinidad and Tobago	Turkmenistan	United States
..	31,205	10,490	40,386	..	54,397	..	..
..
..	..	..	..	*719,914	..	..	..
301,576	..	225,148	43,082	..	..	..	..
..	43,942	3,382	33,169	..	10,614	..	11,854
..	..	3,239	..	..	9,406	..	778,794
..	38,370	10,718	371,172	13,692	6,103	1,148,171	..
..	..	80	..	312,307	..	..	..
219,014	57,306	822,622	32,266	394,274	..	..	..
847,290	..	417,362	..	*2,187,481	..	..	..
..	..	..	..	319,314	..	..	..
..	*68,475	0	*533,906	..	23,775	..	..
104,470	..	37,148	210,350	1,022,223	..	..	2,553
..	98,093	..	648,451	419,859	3,109	..	26,063
..	..	..	..	*153,001	..	44,526	..
..	26,611	3,257	643,305	104,898	..	..	..
..	..	..	3,450	..	..	..	..
..	26,997	..	..	..	18,241	..	1,481,319
..	5,717	668,265	..	420,482	6,868	..	..
76	..	3,336	40,083	421,036	..	..	..
..	36,105	..	16,293	..	..	..	3,930
..
..	..	..	41,129	..	..	..	..
..	..	..	..	166,252	..	..	..
..	189,941	138,297	104,194	..	26,300	..	3,044
..	..	..	164,146	..	..	..	..
3,269	53,538	3,463	35,213	939,985	..	..	9,302
..
..	..	3,376	4,772	..	..	..	..
170,798	1,563	1,258,755	383,405	..	4,326	..	..
..	..	3,707	..	..	93,359	..	..

Table 28

**International trade of natural gas
(Principal importers/exporters)**

Terajoules

2017

Importers	Exporters							
	World	Algeria	Australia	Bolivia (Plur. State of)	Canada	Germany	Indonesia	Malaysia
Argentina	401,380	3,290	..	263,546	..	..	..	..
Austria	536,749	..	..	..	..	195	..	..
Belarus	734,359	..	..	..	..	..	..	..
Belgium	693,067	..	..	..	..	47,459	..	..
Brazil	415,166	3,662	..	309,065	..	..	..	..
Canada	934,154	..	..	..	..	..	..	..
China	3,526,510	15,815	767,292	..	..	..	65,526	190,430
Czechia	341,211	..	..	..	..	..	..	..
France	2,007,600	157,756	..	..	..	18,350	..	..
Germany	4,453,882	..	..	..	..	..	..	..
Hungary	519,322	..	..	..	..	..	..	..
India	765,392	11,092	84,609	..	..	..	7,324	9,818
Italy	2,653,666	743,354	..	..	..	..	..	..
Japan	4,568,897	3,990	1,461,079	..	..	..	362,895	775,491
Kazakhstan	244,878	..	..	..	..	..	..	..
Korea, Republic of	2,029,463	3,302	376,251	..	..	..	181,518	204,662
Malaysia	292,784	..	31,501	..	..	..	42,138	..
Mexico	1,661,018	..	..	..	..	..	9,325	..
Netherlands	1,805,026	3,755	..	..	..	274,242	..	..
Poland	606,014	..	..	..	..	136,325	..	..
Portugal	252,977	85,418	..	..	..	..	..	..
Russian Federation	335,736	..	..	..	..	..	..	..
Singapore	413,314	2,760	69,025	..	..	..	*98,799	85,655
Slovakia	203,191	..	..	..	..	..	..	..
Spain	1,401,449	676,834	..	..	..	..	..	..
Thailand	576,394	3,450	19,614	..	..	..	12,737	19,477
Turkey	2,116,077	176,854	..	..	..	..	..	..
Ukraine	523,927	159	..	..	..	142,232	..	..
United Arab Emirates	697,320	..	7,064	..	..	..	..	..
United Kingdom	1,869,252	13,070	..	..	..	..	..	..
United States	3,275,241	..	..	..	3,187,384	..	..	..

**International trade of natural gas
(Principal importers/exporters)**

Terajoules

2017

Exporters							
Netherlands	Nigeria	Norway	Qatar	Russian Federation	Trinidad and Tobago	Turkmenistan	United States
..	19,477	0	70,131	..	26,800	..	17,791
..
..	..	..	..	*734,359	..	..	..
288,122	..	205,030	46,062	..	..	..	..
..	33,222	..	6,528	..	3,131	..	19,291
..	..	2,537	..	..	9,601	..	918,581
..	59,332	3,558	549,540	23,722	6,156	1,300,853	..
..	..	2,779	..	338,432	..	..	..
205,000	123,895	848,669	82,549	380,424	..	..	..
853,018	..	433,211	..	*2,280,367	..	..	..
..	..	..	..	493,356	..	..	..
..	*100,264	5,380	*453,519	..	9,765	..	..
46,191	..	99,032	256,707	1,261,410	3,296	..	3,207
..	74,068	..	537,157	384,615	12,372	..	51,218
..	..	..	..	*144,878	..	20,538	..
..	38,289	..	637,894	108,582	9,294	..	107,868
..	..	..	3,450	..	..	..	..
..	52,811	..	..	..	15,644	..	1,568,542
..	6,189	877,583	..	312,773	15,644	..	..
36	..	3,395	60,732	397,307	..	..	3,626
..	85,782	..	23,647	..	..	..	21,468
..
..	..	..	60,553	..	..	..	..
..	..	..	..	171,897	..	..	..
4,081	178,379	138,952	140,318	..	18,573	..	30,754
..	9,022	..	134,480	..	..	..	3,403
3,306	79,662	29,051	63,469	1,098,709	..	..	29,401
..
..	..	3,691	2,827	..	..	..	14,656
74,757	2,641	1,421,736	225,956	3,659	7,645	..	6,021
..	..	6,828	..	..	79,609	..	..

Production of manufactured and recovered gases - by type

Terajoules

Table Notes

Production refers to gasworks gas, coke oven gas, blast furnace gas and other recovered gases.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 71: Production of manufactured and recovered gases by region, 1990-2017

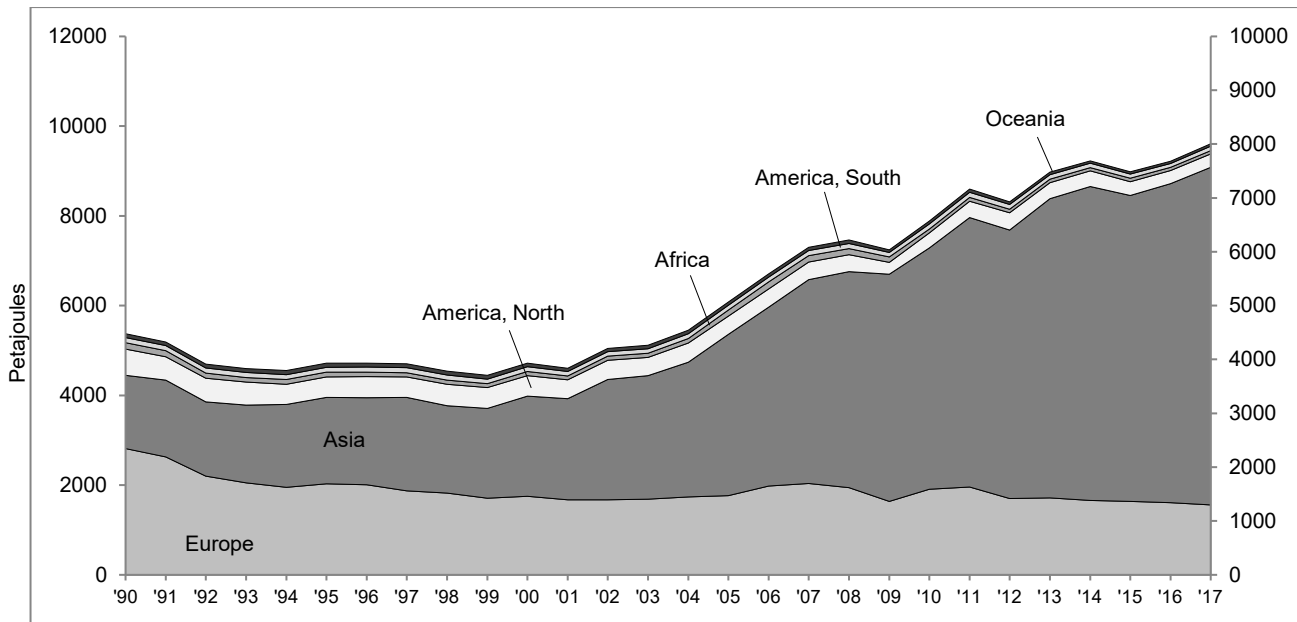


Figure 72: World production of manufactured and recovered gases by type, 2017

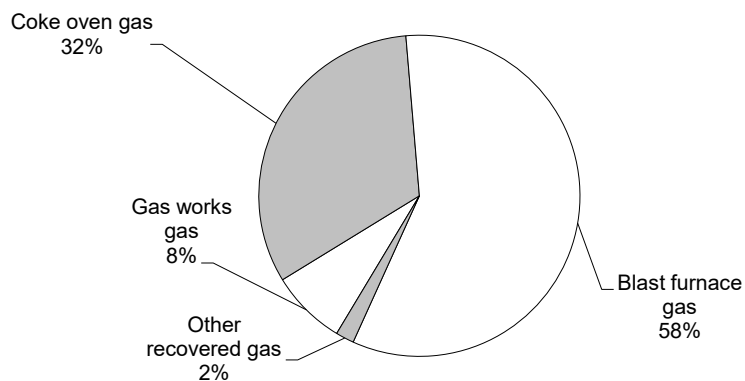


Table 29

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
World	2014	9,227,859	586,175	3,214,683	5,241,963	185,038
	2015	8,985,553	601,951	3,092,356	5,097,145	194,101
	2016	9,221,294	641,722	3,125,566	5,267,339	186,668
	2017	9,607,093	733,488	3,113,633	5,583,045	176,927
Africa	2014	75,414	23,653	22,715	29,046	..
	2015	75,002	23,664	23,030	28,308	..
	2016	70,021	22,709	22,298	25,014	..
	2017	74,569	23,334	22,573	28,662	..
Algeria	2014	3,150	..	0	3,150	..
	2015	2,562	..	0	2,562	..
	2016	0	..	..	0	..
	2017	3,768	..	..	3,768	..
Egypt	2014	4,992	93	..	4,899	..
	2015	4,526	74	..	4,452	..
	2016	*4,534	82	..	*4,452	..
	2017	4,268	131	..	4,137	..
South Africa	2014	65,834	23,560	21,277	20,997	..
	2015	66,446	23,590	21,562	21,294	..
	2016	64,010	22,627	20,821	20,562	..
	2017	64,986	23,203	21,026	20,757	..
Zimbabwe	2014	1,438	..	1,438	..	..
	2015	1,468	..	1,468	..	..
	2016	1,477	..	1,477	..	..
	2017	1,547	..	1,547	..	..
America, North	2014	348,971	53,629	121,740	173,602	..
	2015	311,818	53,682	102,696	155,440	..
	2016	294,048	56,271	91,374	146,403	..
	2017	298,128	61,479	92,773	143,876	..
Canada	2014	46,312	..	22,984	23,328	..
	2015	42,042	..	21,499	20,543	..
	2016	41,899	..	20,312	21,587	..
	2017	43,992	..	22,057	21,935	..
Cuba	2014	3,807	3,796	..	11	..
	2015	3,647	3,636	..	11	..
	2016	3,707	3,696	..	11	..
	2017	3,477	3,467	..	10	..
Mexico	2014	38,328	..	16,502	21,826	..
	2015	34,848	..	14,770	20,078	..
	2016	31,637	..	11,252	20,385	..
	2017	30,293	..	10,653	19,640	..
United States	2014	260,524	49,833	82,254	128,437	..
	2015	231,281	50,046	66,427	114,808	..
	2016	216,805	52,575	59,810	104,420	..
	2017	220,366	58,012	60,063	102,291	..
America, South	2014	101,432	567	85,126	15,739	..
	2015	95,939	364	81,875	13,700	..
	2016	89,678	213	77,860	11,605	..
	2017	99,285	79	86,859	12,347	..
Argentina	2014	15,079	..	5,066	10,013	..
	2015	14,316	..	5,142	9,174	..
	2016	11,403	..	3,875	7,528	..
	2017	12,749	..	4,312	8,437	..

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Brazil	2014	74,561	..	74,561	..	..
	2015	71,578	..	71,578	..	..
	2016	68,715	..	68,715	..	..
	2017	77,783	..	77,783	..	..
Chile	2014	9,109	567	3,991	4,551	..
	2015	7,293	364	3,608	3,321	..
	2016	6,980	213	3,820	2,947	..
	2017	6,425	79	3,456	2,890	..
Colombia	2014	2,683	..	1,508	1,175	..
	2015	2,752	..	1,547	1,205	..
	2016	2,580	..	1,450	1,130	..
	2017	2,328	..	1,308	1,020	..
Asia	2014	6,997,585	481,746	2,257,065	4,149,005	109,769
	2015	6,817,210	498,846	2,180,153	4,032,752	105,459
	2016	7,110,845	539,155	2,223,292	4,241,942	106,456
	2017	7,523,758	625,763	2,227,086	4,569,112	101,797
China	2014	4,977,099	477,518	1,543,031	2,956,550	..
	2015	4,837,464	494,572	1,477,609	2,865,283	..
	2016	5,082,630	534,862	1,499,092	3,048,676	..
	2017	5,471,011	621,403	1,484,174	3,365,434	..
India	2014	*475,687	928	*149,841	*324,918	..
	2015	*488,288	*974	*154,406	*332,908	..
	2016	*535,132	*993	*165,364	*368,775	..
	2017	567,891	*1,060	*181,607	385,224	..
Indonesia	2014	3,300	3,300	..	..	..
	2015	*3,300	*3,300	..	..	..
	2016	*3,300	*3,300	..	..	..
	2017	*3,300	*3,300	..	..	..
Iran (Islamic Rep. of)	2014	30,799	..	6,943	23,856	..
	2015	26,953	..	6,841	20,112	..
	2016	22,449	..	9,195	13,254	..
	2017	24,809	..	9,782	15,027	..
Japan	2014	839,404	..	307,176	461,735	70,493
	2015	800,697	..	294,030	440,073	66,594
	2016	804,534	..	299,255	438,870	66,409
	2017	787,616	..	295,706	429,842	62,068
Kazakhstan	2014	36,051	..	15,983	20,068	..
	2015	36,080	..	15,917	20,163	..
	2016	40,578	..	16,909	23,669	..
	2017	43,921	..	17,490	26,431	..
Korea, Dem.Ppl's.Rep.	2014	1,841	..	..	1,841	..
	2015	1,628	..	..	1,628	..
	2016	1,838	..	..	1,838	..
	2017	1,645	..	..	1,645	..
Korea, Republic of	2014	405,263	..	146,697	230,682	27,884
	2015	398,071	..	147,921	222,139	28,011
	2016	394,580	..	147,900	217,967	28,713
	2017	400,459	..	153,969	217,678	28,812
Other Asia	2014	135,822	..	53,610	70,820	11,392
	2015	132,220	..	50,731	70,635	10,854
	2016	137,287	..	53,638	72,315	11,334
	2017	132,319	..	51,249	70,153	10,917

Table 29

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Pakistan	2014	2,436	..	..	2,436	..
	2015	..	..	..	..	..
	2016	..	..	..	..	..
	2017	..	..	..	..	..
Philippines	2014	3,294	..	..	3,294	..
	2015	2,820	..	..	2,820	..
	2016	3,790	..	..	3,790	..
	2017	3,313	..	..	3,313	..
Syrian Arab Republic	2014	6	..	..	6	..
	2015	6	..	..	6	..
	2016	6	..	..	6	..
	2017	3	..	..	3	..
Thailand	2014	372	..	..	372	..
	2015	338	..	..	338	..
	2016	350	..	..	350	..
	2017	409	..	..	409	..
Turkey	2014	86,211	..	33,784	52,427	..
	2015	89,345	..	32,698	56,647	..
	2016	84,371	..	31,939	52,432	..
	2017	87,062	..	33,109	53,953	..
Europe	2014	1,654,909	26,467	702,906	850,536	75,000
	2015	1,635,906	25,340	679,027	843,161	88,378
	2016	1,605,990	23,335	685,189	817,518	79,948
	2017	1,558,975	22,788	658,410	802,795	74,982
Austria	2014	44,905	..	10,087	34,818	..
	2015	43,963	..	10,337	33,626	..
	2016	42,585	..	9,954	32,631	..
	2017	45,236	..	10,154	35,082	..
Belgium	2014	38,180	..	12,529	22,171	3,480
	2015	35,518	..	10,742	21,477	3,299
	2016	37,373	..	10,320	23,522	3,531
	2017	37,904	..	10,062	24,077	3,765
Bosnia and Herzegovina	2014	11,897	..	7,528	4,369	..
	2015	11,627	..	7,215	4,412	..
	2016	11,247	..	6,867	4,380	..
	2017	10,724	..	6,527	4,197	..
Croatia	2014	42	42	..	..	..
	2015	11	11	..	..	..
	2016	..	..	..	..	..
	2017	..	..	..	..	..
Czechia	2014	64,032	17,246	20,560	20,823	5,403
	2015	61,096	17,024	18,946	19,473	5,653
	2016	61,160	16,933	17,859	20,643	5,725
	2017	59,003	15,177	20,320	18,064	5,442
Denmark	2014	756	756	..	..	..
	2015	763	763	..	..	..
	2016	816	816	..	..	..
	2017	683	683	..	..	..
Estonia	2014	7,201	7,201	..	..	..
	2015	7,207	7,207	..	..	..
	2016	5,250	5,250	..	..	..
	2017	6,615	6,615	..	..	..

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Finland	2014	23,146	..	8,781	10,881	3,484
	2015	23,920	..	8,848	11,436	3,636
	2016	24,076	..	8,731	11,529	3,816
	2017	22,678	..	8,197	11,071	3,410
France	2014	79,096	..	24,941	47,380	6,775
	2015	77,794	..	27,515	44,026	6,253
	2016	66,458	..	23,920	35,565	6,973
	2017	70,404	..	24,829	38,517	7,058
Germany	2014	255,120	..	72,709	163,611	18,800
	2015	261,627	..	73,796	165,776	22,055
	2016	259,995	..	77,811	159,763	22,421
	2017	254,151	..	68,044	162,818	23,289
Hungary	2014	13,791	..	8,444	5,347	..
	2015	16,789	..	9,182	7,607	..
	2016	13,259	..	8,198	5,061	..
	2017	16,996	..	9,126	7,870	..
Italy	2014	47,757	..	16,577	25,544	5,636
	2015	36,361	..	13,516	15,934	6,911
	2016	43,550	..	14,439	23,709	5,402
	2017	35,981	..	15,132	16,990	3,859
Netherlands	2014	54,284	..	18,096	36,188	..
	2015	55,924	..	19,222	36,702	..
	2016	54,001	..	18,370	35,631	..
	2017	55,858	..	18,839	37,019	..
Norway	2014	4,096	..	..	4,096	..
	2015	3,765	..	..	3,765	..
	2016	3,222	..	..	3,222	..
	2017	4,012	..	..	4,012	..
Poland	2014	109,793	44	77,504	25,802	6,443
	2015	112,547	5	79,263	26,470	6,809
	2016	108,838	0	78,303	25,158	5,377
	2017	107,601	..	76,852	27,164	3,585
Romania	2014	8,924	..	..	8,924	..
	2015	10,195	..	..	10,195	..
	2016	9,990	..	..	9,990	..
	2017	9,408	..	..	9,408	..
Russian Federation	2014	482,977	..	261,799	221,178	..
	2015	496,114	..	258,532	237,582	..
	2016	498,482	..	270,873	227,609	..
	2017	490,758	..	262,407	228,351	..
Serbia	2014	4,821	..	..	4,821	..
	2015	7,253	..	..	7,253	..
	2016	9,549	..	..	9,549	..
	2017	10,609	..	..	10,609	..
Slovakia	2014	38,153	..	12,964	21,904	3,285
	2015	37,866	..	13,709	20,114	4,043
	2016	39,159	..	13,679	21,068	4,412
	2017	39,567	..	12,688	22,124	4,755
Spain	2014	33,251	14	12,690	20,547	..
	2015	36,804	10	13,005	23,789	..
	2016	34,728	14	12,463	22,251	..
	2017	30,325	..	10,927	19,398	..

Table 29

Production of manufactured and recovered gases - by type

Terajoules

Country or area	Year	Total	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gas
Sweden	2014	22,563	343	8,265	12,307	1,648
	2015	22,770	320	9,110	11,798	1,542
	2016	24,202	322	9,138	12,791	1,951
	2017	24,169	313	8,890	12,974	1,992
Ukraine	2014	223,703	821	98,402	104,434	20,046
	2015	198,737	..	79,704	90,856	28,177
	2016	207,944	..	90,483	97,121	20,340
	2017	177,103	..	81,374	77,902	17,827
United Kingdom	2014	86,421	..	31,030	55,391	..
	2015	77,255	..	26,385	50,870	..
	2016	50,106	..	13,781	36,325	..
	2017	49,190	..	14,042	35,148	..
Oceania	2014	49,548	113	25,131	24,035	269
	2015	49,678	55	25,575	23,784	264
	2016	50,713	39	25,553	24,857	264
	2017	52,378	45	25,932	26,253	148
Australia	2014	37,967	113	20,671	17,183	..
	2015	37,685	55	20,867	16,763	..
	2016	39,592	39	21,417	18,136	..
	2017	40,759	45	21,547	19,167	..
New Zealand	2014	11,581	..	4,460	6,852	269
	2015	11,993	..	4,708	7,021	264
	2016	11,121	..	4,136	6,721	264
	2017	11,619	..	4,385	7,086	148

Net installed capacity of electricity plants by type

Megawatts

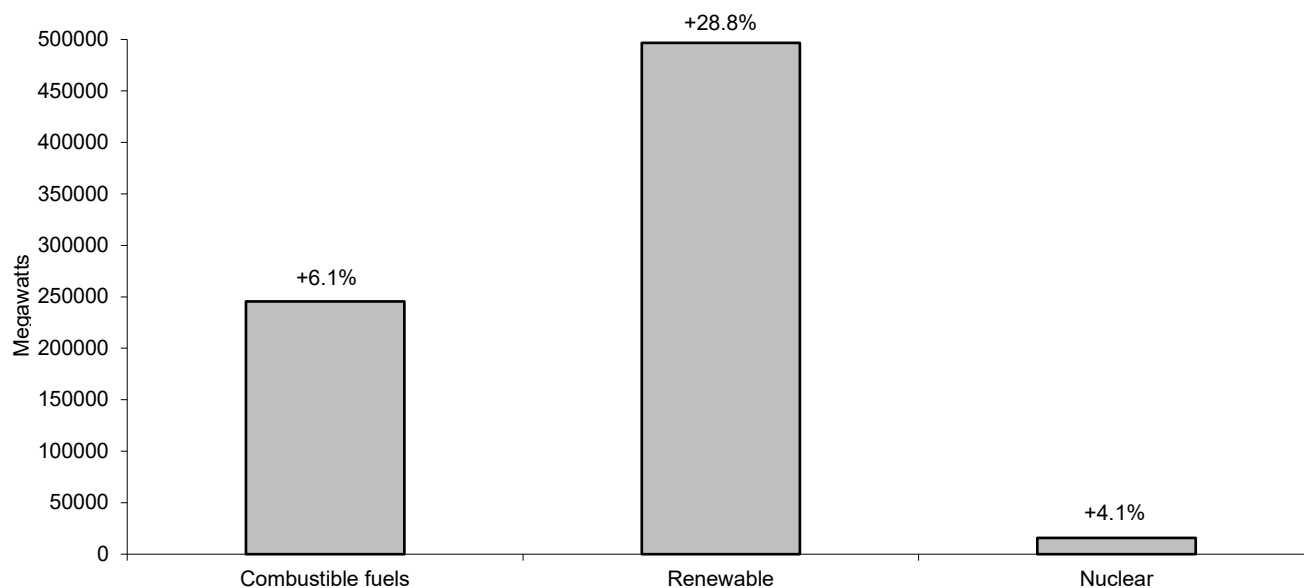
Table Notes

Electricity capacity broken down by source, and main activity producers against autoproducers. For total producers, **Other** refers to geothermal, tide, wave, marine and other non-specified net installed capacity. For autoproducers, **Other** refers to nuclear (if any), wind, solar, geothermal, tide, wave, marine and other non-specified net installed capacity. For main activity producers, **Other** refers to wind, solar, geothermal, tide, wave, marine and other non-specified net installed capacity.

For Austria data are given in gross maximum capacity.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 73: Change in net installed capacity of electricity generating plants* by source, 2014-2017



* Renewable includes capacity from hydro, wind, solar and other sources

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2014	6,164,872	4,056,376	1,176,495	383,014	351,875	173,828	23,285
	2015	6,384,035	4,121,524	1,213,125	389,293	417,123	221,875	21,094
	2016	6,709,703	4,261,958	1,248,412	399,569	473,412	297,202	29,149
	2017	6,923,229	4,301,931	1,275,678	398,882	520,497	393,160	33,080
Africa	2014	166,794	132,945	27,403	1,880	2,593	1,375	596
	2015	174,085	137,071	27,881	1,860	4,343	2,273	657
	2016	186,485	145,833	30,137	1,860	4,644	3,329	682
	2017	203,256	159,740	32,373	1,940	4,777	3,736	689
Algeria	2014	*16,199	*15,971	228	..	..	..	..
	2015	17,239	16,961	228	..	10	40	..
	2016	19,006	18,549	228	..	10	219	..
	2017	19,474	18,892	228	..	10	344	..
Angola	2014	*2,070	*770	*1,300	..	..	..	..
	2015	*2,533	*1,091	*1,442	..	..	..	..
	2016	*2,873	*1,284	*1,589	..	..	..	..
	2017	*4,409	*2,067	*2,342	..	..	..	..
Benin	2014	*246	*244	*1	..	..	*1	..
	2015	*383	*312	*66	..	..	*5	..
	2016	*383	*312	*66	..	..	*5	..
	2017	*386	*312	*66	..	..	8	..
Botswana	2014	621	620	..	..	..	1	..
	2015	621	620	..	..	..	1	..
	2016	621	620	..	..	..	1	..
	2017	753	752	..	..	..	1	..
Burkina Faso	2014	285	253	32	..	..	..	..
	2015	325	293	32	..	..	..	..
	2016	325	293	32	..	..	..	..
	2017	329	293	32	..	..	*4	..
Burundi	2014	41	*9	32	..	..	..	..
	2015	*42	*9	*33	..	..	..	..
	2016	*42	*7	*35	..	..	..	..
	2017	*62	*14	*48	..	..	..	..
Cabo Verde	2014	154	121	..	..	26	8	..
	2015	162	129	..	..	26	8	..
	2016	*169	*136	..	..	26	8	..
	2017	*200	*166	..	..	27	8	..
Cameroon	2014	*1,749	1,017	*732	..	..	..	..
	2015	*1,849	*1,117	*732	..	..	..	..
	2016	*1,882	*1,150	*732	..	..	..	..
	2017	1,992	1,215	777	..	..	..	..
Central African Rep.	2014	*44	*19	*25	..	..	..	..
	2015	*44	*19	*25	..	..	..	..
	2016	*44	*19	*25	..	..	..	..
	2017	*44	*19	*25	..	..	..	..
Chad	2014	*86	*86	..	..	..	..	..
	2015	*86	*86	..	..	..	..	..
	2016	*86	*86	..	..	..	..	..
	2017	*86	*86	..	..	..	..	..
Comoros	2014	*25	*25	..	..	..	..	..
	2015	*26	*26	..	..	..	..	..
	2016	*26	*26	..	..	..	..	..
	2017	*26	*26	..	..	..	..	..
Congo	2014	*690	*370	*220	..	..	*100	..
	2015	700	391	209	..	..	*100	..
	2016	*700	*391	*209	..	..	*100	..
	2017	*700	*391	*209	..	..	*100	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
536,976	435,418	31,134	70,423	5,627,896	3,620,957	1,145,361	383,014	478,564
619,300	493,100	34,607	91,592	5,764,735	3,628,424	1,178,518	389,293	568,500
592,811	455,467	31,651	105,693	6,116,892	3,806,490	1,216,761	399,569	694,072
563,023	412,326	32,622	118,075	6,360,205	3,889,605	1,243,056	398,882	828,662
15,684	13,109	656	1,919	151,109	119,836	26,748	1,880	2,646
18,327	13,759	605	3,963	155,758	123,313	27,276	1,860	3,309
19,854	14,342	699	4,813	166,631	131,491	29,437	1,860	3,842
20,178	14,359	818	5,002	183,078	145,382	31,555	1,940	4,201
4,314	4,314	..	..	*11,885	*11,657	228	..	..
4,314	4,314	..	..	12,925	12,647	228	..	50
4,314	4,314	..	..	14,692	14,235	228	..	229
4,314	4,314	..	..	15,160	14,578	228	..	354
*130	*130	..	..	*1,940	*640	*1,300	..	..
*184	*184	..	..	*2,349	*907	*1,442	..	..
*217	*217	..	..	*2,656	*1,067	*1,589	..	..
*250	*250	..	..	*4,159	*1,817	*2,342	..	..
*45	*45	..	..	*201	*199	*1	..	*1
*45	*45	..	..	*338	*267	*66	..	*5
*45	*45	..	..	*338	*267	*66	..	*5
*45	*45	..	..	*341	*267	*66	..	8
*20	*20	..	..	601	600	..	..	1
20	20	..	..	601	600	..	..	1
20	20	..	..	601	600	..	..	1
20	20	..	..	733	732	..	..	1
..	..	..	..	285	253	32	..	..
..	..	..	..	325	293	32	..	..
..	..	..	..	325	293	32	..	..
..	..	..	..	329	293	32	..	*4
..	..	..	..	41	*9	32	..	..
..	..	..	..	*42	*9	*33	..	..
..	..	..	..	*42	*7	*35	..	..
..	..	..	..	*62	*14	*48	..	..
0	0	..	..	154	121	..	..	33
0	0	..	..	162	129	..	..	33
*1	*1	..	..	*168	*135	..	..	33
*1	*1	..	..	*200	*165	..	..	35
*500	*500	..	..	*1,249	517	*732	..	..
*600	*600	..	..	*1,249	*517	*732	..	..
*600	*600	..	..	*1,282	*550	*732	..	..
*600	*600	..	..	1,392	615	777	..	..
..	..	..	..	*44	*19	*25	..	..
..	..	..	..	*44	*19	*25	..	..
..	..	..	..	*44	*19	*25	..	..
..	..	..	..	*44	*19	*25	..	..
..	..	..	..	*86	*86	..	..	..
..	..	..	..	*86	*86	..	..	..
..	..	..	..	*86	*86	..	..	..
..	..	..	..	*86	*86	..	..	..
..	..	..	..	*25	*25	..	..	..
..	..	..	..	*26	*26	..	..	..
..	..	..	..	*26	*26	..	..	..
..	..	..	..	*26	*26	..	..	..
*350	*350	..	..	*340	*20	*220	..	*100
350	350	..	..	350	41	209	..	*100
*350	*350	..	..	*350	*41	*209	..	*100
*350	*350	..	..	*350	*41	*209	..	*100

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2014	*1,655	*1,223	*432	..	..	..	..
	2015	1,909	1,305	604	..	..	..	..
	2016	1,909	1,305	604	..	..	..	..
	2017	2,195	1,316	879	..	..	..	..
Dem. Rep. of the Congo	2014	*2,522	*106	*2,416	..	..	..	..
	2015	*2,549	*120	*2,429	..	..	..	..
	2016	*2,677	*135	*2,542	..	..	..	..
	2017	*2,698	*139	*2,559	..	..	..	..
Djibouti	2014	130	130	..	..	..	..	..
	2015	130	130	..	..	..	..	..
	2016	130	130	..	..	..	..	..
	2017	130	130	..	..	..	..	..
Egypt	2014	32,702	29,215	2,800	..	547	140	..
	2015	35,907	32,420	2,800	..	547	140	..
	2016	39,544	35,857	2,800	..	747	140	..
	2017	45,695	42,008	2,800	..	747	140	..
Equatorial Guinea	2014	349	222	127	..	..	..	..
	2015	349	222	127	..	..	..	..
	2016	349	222	127	..	..	..	..
	2017	554	222	327	..	..	5	..
Eritrea	2014	*141	*139	..	..	1	*1	..
	2015	*161	*159	..	..	1	*1	..
	2016	*161	*159	..	..	1	*1	..
	2017	*207	*205	..	..	1	*1	..
Eswatini	2014	*188	*115	73	..	..	..	..
	2015	*188	*115	*73	..	..	..	..
	2016	*188	*115	73	..	..	..	..
	2017	*189	*115	*73	..	..	1	..
Ethiopia	2014	2,311	190	1,943	..	171	..	7
	2015	2,464	143	1,940	..	324	50	7
	2016	4,288	99	3,808	..	324	50	7
	2017	4,299	104	3,814	..	324	50	7
Gabon	2014	509	338	170	..	..	*1	..
	2015	511	340	170	..	..	*1	..
	2016	523	352	170	..	..	*1	..
	2017	531	359	171	..	..	*1	..
Gambia	2014	116	114	..	..	1	1	..
	2015	*118	*116	..	..	*1	*1	..
	2016	*119	*117	..	..	*1	*1	..
	2017	*132	*131	..	..	*1	*1	..
Ghana	2014	3,041	1,458	1,580	..	..	3	..
	2015	3,866	2,263	1,580	..	..	23	..
	2016	4,005	2,402	1,580	..	..	23	..
	2017	4,609	3,006	1,580	..	..	23	..
Guinea	2014	279	153	125	..	..	..	..
	2015	596	228	367	..	..	..	..
	2016	593	226	367	..	..	..	..
	2017	640	*273	367	..	..	..	..
Guinea-Bissau	2014	*28	*28	..	..	..	..	..
	2015	*28	*28	..	..	..	..	..
	2016	*28	*28	..	..	..	..	..
	2017	*28	*28	..	..	..	..	..
Kenya	2014	2,094	734	797	..	5	..	558
	2015	2,263	819	800	..	26	..	619
	2016	2,254	786	798	..	26	..	644
	2017	2,270	766	826	..	26	..	652

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*23	*23	..	..	*1,632	*1,200	*432	..	..
*23	*23	..	..	1,886	1,282	604	..	..
*23	*23	..	..	1,886	1,282	604	..	..
*23	*23	..	..	2,172	1,293	879	..	..
*433	*16	*417	..	*2,089	*90	*1,999	..	..
*449	*20	*429	..	*2,100	*100	*2,000	..	..
*567	*25	*542	..	*2,110	*110	*2,000	..	..
*568	*22	*546	..	*2,130	*117	*2,013	..	..
..	..	..	..	130	130	..	..	..
..	..	..	..	130	130	..	..	..
..	..	..	..	130	130	..	..	..
..	..	..	..	130	130	..	..	..
*687	*687	..	..	32,015	28,528	2,800	..	687
*687	*687	..	..	35,220	31,733	2,800	..	687
*687	*687	..	..	38,857	35,170	2,800	..	887
*687	*687	..	..	45,008	41,321	2,800	..	887
..	..	..	..	349	222	127	..	..
..	..	..	..	349	222	127	..	..
..	..	..	..	349	222	127	..	..
..	..	..	..	554	222	327	..	5
*6	*6	..	..	*135	*133	..	..	2
*10	*10	..	..	*151	*149	..	..	2
*10	*10	..	..	*151	*149	..	..	2
*10	*10	..	..	*197	*195	..	..	2
*110	*106	*4	..	79	10	69	..	..
*110	*106	*4	..	*79	10	*69	..	..
*110	*106	*4	..	79	10	69	..	..
*110	*106	*4	..	*80	*10	*69	..	1
..	..	..	..	2,311	190	1,943	..	178
..	..	..	..	2,464	143	1,940	..	381
..	..	..	..	4,288	99	3,808	..	381
..	..	..	..	4,299	104	3,814	..	381
*71	*70	..	*1	438	268	170	..	..
*71	*70	..	*1	440	270	170	..	..
*71	*70	..	*1	452	282	170	..	..
*71	*70	..	*1	460	289	171	..	..
*34	*34	..	..	82	80	..	..	2
*35	*35	..	..	*83	*81	..	..	*2
*35	*35	..	..	*84	*82	..	..	*2
*36	*36	..	..	*97	*95	..	..	*2
*210	*210	..	..	2,831	1,248	1,580	..	3
*210	*210	..	..	3,656	2,053	1,580	..	23
*210	*210	..	..	3,795	2,192	1,580	..	23
*210	*210	..	..	4,399	2,796	1,580	..	23
52	52	..	..	227	101	125	..	..
*100	*100	..	..	496	128	367	..	..
150	150	..	..	444	77	367	..	..
*180	*180	..	..	460	*93	367	..	..
*2	*2	..	..	*26	*26	..	..	..
*2	*2	..	..	*26	*26	..	..	..
*2	*2	..	..	*26	*26	..	..	..
*2	*2	..	..	*26	*26	..	..	..
..	..	..	..	2,094	734	797	..	563
..	..	..	..	2,263	819	800	..	645
..	..	..	..	2,254	786	798	..	670
..	..	..	..	2,270	766	826	..	678

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Lesotho	2014	80	..	80	..	..	0	..
	2015	80	..	80	..	..	0	..
	2016	81	*1	80	..	..	0	..
	2017	75	*1	74	..	..	0	..
Liberia	2014	*102	*93	*9	..	..	..	..
	2015	*102	*93	*9	..	..	..	..
	2016	*107	*98	*9	..	..	..	..
	2017	*109	*100	*9	..	..	..	..
Libya	2014	9,460	9,455	..	..	..	5	..
	2015	9,460	9,455	..	..	..	5	..
	2016	10,249	10,244	..	..	..	5	..
	2017	10,243	10,238	..	..	..	5	..
Madagascar	2014	*542	*379	163	..	0	0	..
	2015	*543	*379	164	..	0	0	..
	2016	526	366	159	..	0	*1	..
	2017	663	496	166	..	0	*1	..
Malawi	2014	567	*212	355	..	..	..	..
	2015	567	*211	356	..	..	..	..
	2016	567	*211	356	..	..	..	..
	2017	567	*211	356	..	..	..	..
Mali	2014	*890	*400	*490	..	..	..	..
	2015	*891	*400	*490	..	..	*1	..
	2016	921	*400	520	..	..	*1	..
	2017	962	*410	550	..	..	*2	..
Mauritania	2014	240	218	..	..	4	18	..
	2015	444	392	..	..	34	18	..
	2016	*461	*392	..	..	34	35	..
	2017	*506	*421	..	..	35	50	..
Mauritius	2014	783	703	61	..	1	18	..
	2015	792	711	61	..	1	19	..
	2016	838	749	61	..	1	27	..
	2017	846	746	60	..	11	29	..
Morocco	2014	7,994	5,427	1,770	..	797	..	..
	2015	8,155	5,427	1,770	..	797	161	..
	2016	8,261	5,432	1,770	..	898	161	..
	2017	8,820	5,828	1,770	..	1,017	205	..
Mozambique	2014	2,682	359	2,322	..	..	1	..
	2015	2,508	410	2,097	..	..	1	..
	2016	2,491	412	2,078	..	..	1	..
	2017	*2,725	*413	*2,311	..	..	*1	..
Namibia	2014	487	155	332	..	..	..	..
	2015	497	155	337	..	..	5	..
	2016	497	143	350	..	..	*5	..
	2017	494	143	347	..	..	*5	..
Niger	2014	230	224	..	..	..	6	..
	2015	277	270	..	..	..	7	..
	2016	288	280	..	..	..	8	..
	2017	290	281	..	..	..	9	..
Nigeria	2014	*10,406	*8,458	*1,938	..	..	*10	..
	2015	*10,439	*8,458	*1,970	..	..	*11	..
	2016	*12,385	*10,403	*1,970	..	..	*12	..
	2017	*12,534	*10,142	*2,380	..	..	*12	..
Rwanda	2014	141	51	80	..	..	9	..
	2015	171	81	80	..	..	9	..
	2016	192	98	84	..	..	9	..
	2017	216	103	101	..	..	12	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	80	..	80	..	0
..	..	..	..	80	..	80	..	0
..	..	..	..	81	*1	80	..	0
..	..	..	..	75	*1	74	..	0
*70	*70	..	..	*32	*23	*9	..	..
*70	*70	..	..	*32	*23	*9	..	..
*70	*70	..	..	37	28	*9	..	..
*70	*70	..	..	*39	*30	*9	..	..
..	..	..	..	9,460	9,455	..	..	5
..	..	..	..	9,460	9,455	..	..	5
..	..	..	..	10,249	10,244	..	..	5
..	..	..	..	10,243	10,238	..	..	5
*32	*32	..	..	*510	*347	163	..	0
*32	*32	..	..	*511	*347	164	..	0
*40	*40	..	..	486	326	159	..	*1
*60	*60	..	..	603	436	166	..	*1
*215	*210	5	..	353	*2	351	..	..
*215	*210	*5	..	352	*1	351	..	..
*215	*210	*5	..	352	*1	351	..	..
*215	*210	*5	..	352	*1	351	..	..
*110	*110	..	..	*780	*290	*490	..	..
*110	*110	..	..	*781	*290	*490	..	*1
*110	*110	..	..	811	*290	520	..	*1
*110	*110	..	..	852	*300	550	..	*2
*79	*79	..	..	161	139	..	..	22
*80	*80	..	..	364	312	..	..	52
*80	*80	..	..	*381	*312	..	..	69
*80	*80	..	..	*426	*341	..	..	85
293	275	..	18	490	428	61	..	1
303	284	..	19	489	427	61	..	1
339	312	..	27	499	437	61	..	1
323	294	..	29	523	452	60	..	11
..	..	..	..	7,994	5,427	1,770	..	797
..	..	..	..	8,155	5,427	1,770	..	958
..	..	..	..	8,261	5,432	1,770	..	1,059
..	..	..	..	8,820	5,828	1,770	..	1,222
*86	..	*85	1	2,596	359	2,237	..	..
*48	*25	*22	1	2,460	385	2,075	..	..
*31	*27	*3	1	2,460	385	2,075	..	..
*114	*28	*85	*1	*2,611	*385	*2,226	..	..
..	..	..	..	487	155	332	..	..
..	..	..	..	497	155	337	..	5
..	..	..	..	497	143	350	..	*5
..	..	..	..	494	143	347	..	*5
59	53	..	6	170	170	..	..	..
60	53	..	7	216	216	..	..	..
61	53	..	8	226	226	..	..	..
62	53	..	9	228	228	..	..	..
*3,050	*3,000	*40	*10	*7,356	*5,458	*1,898	..	..
*3,051	*3,000	*40	*11	*7,388	*5,458	*1,930	..	..
*3,314	*3,262	*40	*12	*9,071	*7,141	*1,930	..	..
*3,232	*3,180	*40	*12	*9,302	*6,962	*2,340	..	..
..	..	..	..	141	51	80	..	9
..	..	..	..	171	81	80	..	9
..	..	..	..	192	98	84	..	9
..	..	..	..	216	103	101	..	12

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sao Tome and Principe	2014	*23	*21	2	..	..	..	..
	2015	*26	*24	2	..	..	..	..
	2016	*27	*25	2	..	..	..	..
	2017	*29	*26	3	..	..	..	..
Senegal	2014	*875	*823	..	..	..	*21	*31
	2015	886	834	..	..	..	*21	*31
	2016	*893	*840	..	..	..	22	*31
	2017	1,017	884	..	..	..	103	30
Seychelles	2014	114	107	..	..	6	1	..
	2015	116	110	..	..	6	1	..
	2016	*137	*129	..	..	6	2	..
	2017	155	146	..	..	7	3	..
Sierra Leone	2014	77	27	50	..	..	..	..
	2015	133	77	56	..	..	0	..
	2016	137	77	60	..	..	0	..
	2017	*137	*77	*60	..	..	0	..
Somalia	2014	80	80	..	..	..	..	..
	2015	80	80	..	..	..	..	..
	2016	80	80	..	..	..	..	..
	2017	80	80	..	..	..	..	..
South Africa	2014	*47,643	*43,238	*725	*1,880	*800	*1,000	..
	2015	*47,109	*40,581	*740	*1,860	*2,328	*1,600	..
	2016	*47,930	*40,581	*740	1,860	*2,328	*2,421	..
	2017	*53,028	*45,497	761	1,940	*2,330	*2,500	..
South Sudan	2014	*81	*80	..	..	..	*1	..
	2015	*84	*80	3	..	..	*1	..
	2016	*84	*80	*3	..	..	*1	..
	2017	*131	*120	*3	..	..	*8	..
St. Helena and Depend.	2014	9	8	..	..	1	0	..
	2015	10	8	..	..	*2	1	..
	2016	11	8	..	..	2	1	..
	2017	11	8	..	..	*3	1	..
Sudan	2014	3,340	*1,739	1,593	..	..	8	..
	2015	3,321	1,717	1,593	..	..	11	..
	2016	3,540	1,935	1,593	..	..	12	..
	2017	3,770	2,004	1,753	..	..	13	..
Togo	2014	227	160	67	..	..	..	..
	2015	227	160	67	..	..	..	..
	2016	213	158	55	..	..	..	..
	2017	225	158	67	..	..	..	..
Tunisia	2014	5,005	4,695	62	..	233	15	..
	2015	5,447	5,120	62	..	240	25	..
	2016	5,513	5,174	62	..	240	37	..
	2017	5,723	5,372	62	..	240	49	..
Uganda	2014	885	190	695	..	..	..	..
	2015	896	201	695	..	..	..	..
	2016	904	201	695	..	..	*8	..
	2017	938	212	707	..	..	19	..
United Rep. of Tanzania	2014	1,115	*546	562	..	..	*7	..
	2015	1,374	800	567	..	..	*7	..
	2016	1,387	808	567	..	..	*12	..
	2017	1,412	829	562	..	..	22	..
Zambia	2014	2,452	195	2,257	..	..	..	..
	2015	2,411	142	2,269	..	..	0	..
	2016	2,827	439	2,388	..	..	0	..
	2017	2,897	498	2,398	..	..	1	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	*23	*21	2	..	..
..	..	..	..	*26	*24	2	..	..
..	..	..	..	*27	*25	2	..	..
..	..	..	..	*29	*26	3	..	..
*386	*334	..	*52	*489	*489	..	..	..
*378	*326	..	*52	508	508	..	..	..
*383	*330	..	*53	*510	*510	..	..	..
*463	*330	..	133	554	554	..	..	..
*27	*27	..	..	87	80	..	..	7
*28	*28	..	..	89	82	..	..	7
*28	*28	..	..	*108	*100	..	..	8
*29	*29	..	..	126	116	..	..	10
..	..	..	..	77	27	50	..	..
..	..	..	..	133	77	56	..	0
..	..	..	..	137	77	60	..	0
..	..	..	..	*137	*77	*60	..	0
..	..	..	..	80	80	..	..	..
..	..	..	..	80	80	..	..	..
..	..	..	..	80	80	..	..	..
..	..	..	..	80	80	..	..	..
*3,640	*1,800	*40	*1,800	*44,003	*41,438	*685	*1,880	..
*6,068	*2,200	*40	*3,828	*41,041	*38,381	*700	*1,860	*100
*7,080	*2,391	40	*4,649	*40,850	*38,190	*700	1,860	*100
*7,191	*2,400	61	*4,730	*45,837	*43,097	700	1,940	100
*41	*40	..	*1	*40	*40	..	..	0
*41	*40	..	*1	*43	*40	3	..	0
*41	*40	..	*1	*43	*40	*3	..	0
*41	*40	..	*1	*90	*80	*3	..	*7
..	..	..	..	9	8	..	..	1
..	..	..	..	10	8	..	..	*3
..	..	..	..	11	8	..	..	3
..	..	..	..	11	8	..	..	*3
198	190	..	8	3,142	*1,549	1,593	..	..
201	190	..	11	3,120	1,527	1,593	..	..
202	190	..	12	3,338	1,745	1,593	..	..
203	190	..	13	3,567	1,814	1,753	..	..
*8	*8	..	..	219	152	67	..	..
*8	*8	..	..	219	152	67	..	..
*8	*8	..	..	205	150	55	..	..
*8	*8	..	..	217	150	67	..	..
*213	*198	..	15	4,792	4,497	62	..	233
*223	*198	..	25	5,224	4,922	62	..	240
*235	*198	..	37	5,278	4,976	62	..	240
*247	*198	..	49	5,476	5,174	62	..	240
119	54	65	..	766	136	630	..	..
130	65	65	..	766	136	630	..	..
130	65	65	..	774	136	630	..	*8
155	76	77	2	783	136	630	..	17
*27	*20	..	*7	1,088	*526	562	..	..
*27	*20	..	*7	1,347	780	567	..	..
*32	*20	..	*12	1,356	788	567	..	..
54	32	..	22	1,358	796	562	..	..
..	..	..	..	2,452	195	2,257	..	..
..	..	..	..	2,411	142	2,269	..	0
..	..	..	..	2,827	439	2,388	..	0
..	..	..	..	2,897	498	2,398	..	1

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Zimbabwe	2014	1,992	1,235	757	..	..	..	..
	2015	1,992	1,235	757	..	..	..	..
	2016	2,015	1,265	750	..	..	..	..
	2017	2,015	1,265	750	..	..	..	..
America, North	2014	1,317,058	901,849	197,060	114,002	77,586	19,758	6,803
	2015	1,328,007	891,782	201,081	114,215	88,653	26,847	5,430
	2016	1,344,647	882,944	203,257	115,206	99,148	38,686	5,407
	2017	1,363,618	884,393	203,991	115,270	105,787	47,927	6,250
Anguilla	2014	33	33	..	..	..	..	..
	2015	34	33	..	..	..	1	..
	2016	34	33	..	..	..	1	..
	2017	24	24	..	..	..	0	..
Antigua and Barbuda	2014	*116	*111	..	..	..	5	..
	2015	*117	*111	..	..	..	6	..
	2016	*117	*111	..	..	..	6	..
	2017	*119	*113	..	..	..	6	..
Aruba	2014	288	258	..	..	30	..	..
	2015	288	258	..	..	30	..	..
	2016	288	258	..	..	30	..	..
	2017	288	258	..	..	30	..	..
Bahamas	2014	576	576	..	..	..	..	..
	2015	576	576	..	..	..	..	..
	2016	576	576	..	..	..	..	..
	2017	576	576	..	..	..	..	..
Barbados	2014	256	249	..	..	..	7	..
	2015	258	249	..	..	..	9	..
	2016	268	249	..	..	..	19	..
	2017	281	262	..	..	..	19	..
Belize	2014	154	99	55	..	..	..	..
	2015	154	99	55	..	..	..	..
	2016	145	94	51	..	..	0	..
	2017	163	111	51	..	..	0	..
Bermuda	2014	*171	*171	..	..	..	..	..
	2015	*171	*171	..	..	..	..	..
	2016	*171	*171	..	..	..	..	..
	2017	*171	*171	..	..	..	..	..
Bonaire, St Eustatius, Saba	2014	*27	*16	..	..	11	..	..
	2015	*27	*16	..	..	*11	..	..
	2016	33	20	..	..	11	2	..
	2017	*33	*20	..	..	*11	*2	..
British Virgin Islands	2014	45	44	..	..	1	1	..
	2015	45	44	..	..	1	1	..
	2016	45	44	..	..	1	1	..
	2017	*32	*31	..	..	0	*1	..
Canada	2014	138,151	36,217	75,537	14,033	9,694	1,843	*827
	2015	148,200	40,946	79,420	14,033	11,214	2,517	*70
	2016	144,072	35,076	80,259	14,033	11,973	2,662	*69
	2017	147,705	37,429	80,831	14,033	12,403	2,913	*96
Cayman Islands	2014	132	132	..	..	..	..	..
	2015	132	132	..	..	..	..	..
	2016	161	161	..	..	..	..	..
	2017	161	161	..	..	..	..	..
Costa Rica	2014	3,274	622	2,045	..	360	1	246
	2015	3,626	661	2,152	..	*565	1	247
	2016	3,824	597	2,328	..	*679	13	207
	2017	3,557	617	2,328	..	378	27	207

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*45	*45	..	..	1,947	1,190	757	..	..
*45	*45	..	..	1,947	1,190	757	..	..
*45	*45	..	..	1,970	1,220	750	..	..
*45	*45	..	..	1,970	1,220	750	..	..
64,000	46,816	6,085	11,099	1,253,057	855,033	190,974	114,002	93,048
68,298	47,543	6,066	14,689	1,259,708	844,239	195,015	114,215	106,240
76,256	50,586	5,947	19,723	1,268,391	832,358	197,310	115,206	123,517
79,946	50,747	5,792	23,407	1,283,672	833,646	198,200	115,270	136,557
..	..	..	..	33	33	..	..	..
..	..	..	..	34	33	..	..	1
..	..	..	..	34	33	..	..	1
..	..	..	..	24	24	..	..	0
*1	*1	..	..	*115	*110	..	..	5
*1	*1	..	..	*116	*110	..	..	6
*1	*1	..	..	*116	*110	..	..	6
*1	*1	..	..	*118	*112	..	..	6
..	..	..	..	288	258	..	..	30
..	..	..	..	288	258	..	..	30
..	..	..	..	288	258	..	..	30
..	..	..	..	288	258	..	..	30
*39	*39	..	..	537	537	..	..	..
*39	*39	..	..	537	537	..	..	..
*39	*39	..	..	537	537	..	..	..
*39	*39	..	..	537	537	..	..	..
*10	*10	..	..	246	239	..	..	7
*10	*10	..	..	248	239	..	..	9
*10	*10	..	..	258	239	..	..	19
*10	*10	..	..	271	252	..	..	19
34	34	..	..	120	66	55	..	..
34	34	..	..	120	66	55	..	..
34	34	..	..	112	60	51	..	0
44	44	..	..	120	68	51	..	0
*4	*4	..	..	*167	*167	..	..	..
*4	*4	..	..	*167	*167	..	..	..
*4	*4	..	..	*167	*167	..	..	..
*4	*4	..	..	*167	*167	..	..	..
..	..	..	..	*27	*16	..	..	11
..	..	..	..	*27	*16	..	..	*11
..	..	..	..	33	20	..	..	13
..	..	..	..	*33	*20	..	..	*13
..	..	..	..	45	44	..	..	1
..	..	..	..	45	44	..	..	1
..	..	..	..	45	44	..	..	1
..	..	..	..	*32	*31	..	..	*1
9,494	4,116	5,305	73	128,657	32,101	70,232	14,033	12,291
9,766	4,354	5,285	127	138,434	36,592	74,135	14,033	13,674
10,729	4,514	5,078	1,137	133,343	30,562	75,181	14,033	13,567
11,328	4,835	5,132	1,361	136,377	32,594	75,699	14,033	14,051
..	..	..	..	132	132	..	..	..
..	..	..	..	132	132	..	..	..
..	..	..	..	161	161	..	..	..
..	..	..	..	161	161	..	..	..
*429	*25	210	*194	2,845	597	1,835	..	413
*565	*25	*210	*330	3,061	636	1,942	..	483
*607	*25	*210	*372	3,217	572	2,118	..	527
67	45	0	22	3,490	572	2,328	..	590

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Cuba	2014	6,191	6,106	63	..	*12	*11	..
	2015	6,314	6,217	63	..	*14	*19	..
	2016	6,454	6,341	66	..	*16	*30	..
	2017	6,476	6,325	66	..	*22	*63	..
Curaçao	2014	*272	*235	..	..	*30	*7	..
	2015	301	262	..	..	30	*9	..
	2016	*307	*262	..	..	30	*15	..
	2017	*207	*150	..	..	47	11	..
Dominica	2014	45	35	10	..	..	..	..
	2015	45	35	10	..	..	..	..
	2016	45	35	10	..	..	..	..
	2017	45	35	10	..	..	..	..
Dominican Republic	2014	5,419	4,702	617	..	85	13	2
	2015	5,230	4,503	617	..	85	23	2
	2016	5,205	4,382	617	..	135	69	2
	2017	5,134	4,276	617	..	135	103	2
El Salvador	2014	1,587	892	490	..	..	..	204
	2015	1,655	959	481	..	..	11	204
	2016	1,712	1,016	480	..	..	12	204
	2017	1,927	1,027	574	..	..	*121	204
Greenland	2014	187	96	91	..	..	..	..
	2015	187	*96	91	..	..	..	..
	2016	187	*96	91	..	..	..	..
	2017	187	96	91	..	..	..	..
Grenada	2014	49	48	..	..	..	0	..
	2015	49	48	..	..	..	0	..
	2016	49	48	..	..	..	0	..
	2017	50	50	..	..	..	0	..
Guatemala	2014	2,626	1,624	964	..	..	5	34
	2015	3,139	1,905	1,039	..	76	85	34
	2016	3,442	1,942	1,306	..	76	85	34
	2017	3,356	1,845	1,311	..	75	92	34
Haiti	2014	*321	*259	61	..	..	1	..
	2015	*333	*271	61	..	..	1	..
	2016	*336	*274	61	..	..	1	..
	2017	*344	*282	61	..	..	1	..
Honduras	2014	1,897	1,121	624	..	152	..	..
	2015	2,250	1,078	632	..	152	388	..
	2016	2,439	1,185	670	..	175	409	..
	2017	2,562	1,185	666	..	225	451	35
Jamaica	2014	939	874	23	..	42	..	..
	2015	965	871	29	..	65	..	..
	2016	1,031	871	29	..	101	30	..
	2017	1,041	871	29	..	101	40	..
Mexico	2014	66,255	48,893	12,464	1,400	2,569	116	813
	2015	67,504	49,421	12,223	1,510	3,271	173	906
	2016	72,574	53,047	12,580	1,608	4,051	362	926
	2017	74,431	54,388	12,628	1,608	4,180	642	985
Montserrat	2014	6	6	..	..	..	..	..
	2015	5	5	..	..	..	..	..
	2016	5	5	..	..	..	..	..
	2017	5	5	..	..	..	..	..
Nicaragua	2014	1,329	866	120	..	186	1	155
	2015	1,346	866	138	..	186	1	155
	2016	1,396	912	142	..	186	1	155
	2017	1,482	985	142	..	186	14	155

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
498	498	..	..	5,694	5,608	63	..	*23
529	529	..	..	5,785	5,688	63	..	*34
494	494	..	..	5,960	5,847	66	..	*47
531	531	..	..	5,945	5,794	66	..	*85
*133	*133	..	..	*139	*102	..	..	*37
146	146	..	..	155	116	..	..	39
*146	*146	..	..	*161	*116	..	..	45
*84	*84	..	..	*123	*66	..	..	57
18	15	3	..	27	20	7	..	..
18	15	3	..	27	20	7	..	..
18	15	3	..	27	20	7	..	..
18	15	3	..	27	20	7	..	..
1,542	1,527	1	14	3,877	3,175	616	..	86
1,520	1,494	1	24	3,711	3,009	616	..	86
1,395	1,353	1	40	3,809	3,028	616	..	165
1,296	1,219	1	75	3,838	3,057	616	..	165
130	130	..	..	1,457	763	490	..	204
206	195	..	11	1,449	763	481	..	204
264	252	..	12	1,448	763	480	..	204
314	263	..	*51	1,612	764	574	..	275
16	16	..	..	171	80	91	..	..
*16	*16	..	..	171	*80	91	..	..
*16	*16	..	..	171	*80	91	..	..
16	16	..	..	171	80	91	..	..
0	0	..	..	48	48	..	..	0
0	0	..	..	48	48	..	..	0
0	0	..	..	48	48	..	..	0
0	0	..	..	50	50	..	..	0
474	469	4	..	2,152	1,154	959	..	39
690	686	4	..	2,449	1,219	1,035	..	194
705	701	4	..	2,737	1,241	1,302	..	194
679	675	4	..	2,677	1,170	1,307	..	200
*93	*93	..	..	*228	*166	61	..	1
*96	*96	..	..	*237	*175	61	..	1
*96	*96	..	..	*240	*178	61	..	1
*99	*99	..	..	*245	*183	61	..	1
142	142	..	..	1,755	979	624	..	152
169	169	..	..	2,081	909	632	..	540
210	210	..	..	2,229	975	670	..	584
210	210	..	..	2,352	975	666	..	711
301	262	..	39	638	612	23	..	3
324	262	..	62	641	609	29	..	3
370	262	..	108	661	609	29	..	23
380	262	..	118	661	609	29	..	23
11,876	9,599	195	2,082	54,379	39,294	12,269	1,400	1,416
12,648	9,686	195	2,767	54,856	39,735	12,028	1,510	1,583
16,670	12,767	232	3,671	55,904	40,280	12,348	1,608	1,668
16,895	12,772	233	3,890	57,536	41,616	12,395	1,608	1,917
..	..	..	..	6	6	..	..	..
..	..	..	..	5	5	..	..	..
..	..	..	..	5	5	..	..	..
..	..	..	..	5	5	..	..	..
135	134	1	..	1,194	733	119	..	342
135	134	1	..	1,211	733	137	..	342
178	177	1	..	1,219	735	142	..	342
178	177	1	..	1,305	809	142	..	355

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Panama	2014	2,829	1,148	1,623	..	55	2	..
	2015	3,224	1,202	1,726	..	253	43	..
	2016	3,371	1,235	1,769	..	270	89	8
	2017	3,423	1,225	1,777	..	270	143	8
Puerto Rico	2014	*6,097	*5,800	99	..	125	73	..
	2015	*6,112	*5,800	99	..	125	88	..
	2016	6,257	5,900	99	..	125	133	..
	2017	*6,257	*5,900	*99	..	*125	*133	..
Sint Maarten (Dutch part)	2014	97	97	..	..	..	..	..
	2015	97	97	..	..	..	..	..
	2016	97	97	..	..	..	..	..
	2017	*88	*88	..	..	..	..	..
St. Kitts-Nevis	2014	*64	*60	..	..	*2	*1	..
	2015	64	60	..	..	2	*1	..
	2016	65	60	..	..	*2	2	..
	2017	65	60	..	..	*2	2	..
St. Lucia	2014	88	88	..	..	..	..	..
	2015	88	88	..	..	..	..	..
	2016	88	88	..	..	..	..	..
	2017	88	88	..	..	..	..	..
St. Pierre-Miquelon	2014	26	26	..	..	0	..	..
	2015	25	25	..	..	0	..	..
	2016	25	25	..	..	0	..	..
	2017	25	25	..	..	0	..	..
St. Vincent-Grenadines	2014	*58	*46	*13	..	..	..	..
	2015	53	46	6	..	..	1	..
	2016	53	46	6	..	..	1	..
	2017	*53	*46	*6	..	..	*1	..
Trinidad and Tobago	2014	2,499	2,496	..	..	..	3	..
	2015	2,502	2,499	..	..	..	3	..
	2016	2,505	2,502	..	..	..	3	..
	2017	2,509	2,506	..	..	..	3	..
Turks and Caicos Islands	2014	79	79	..	..	..	..	..
	2015	82	82	..	..	..	..	..
	2016	82	82	..	..	..	..	..
	2017	83	82	..	..	..	1	..
United States	2014	1,074,544	787,407	102,162	98,569	64,232	17,651	4,523
	2015	1,072,470	771,732	102,239	98,672	72,573	23,442	3,812
	2016	1,086,849	764,787	102,692	99,565	81,287	34,716	3,802
	2017	1,100,333	762,765	102,703	99,629	87,597	43,115	4,524
United States Virgin Is.	2014	333	316	..	..	..	*17	..
	2015	*340	*316	..	..	..	*24	..
	2016	*340	*316	..	..	..	*24	..
	2017	*340	*316	..	..	..	*24	..
America, South	2014	270,961	113,678	147,296	3,008	6,536	376	67
	2015	284,330	117,226	152,524	3,753	9,951	810	67
	2016	302,182	122,786	161,238	3,753	12,955	1,449	1
	2017	314,413	125,297	166,138	3,745	15,686	3,523	25
Argentina	2014	35,945	24,651	10,074	1,018	194	8	..
	2015	37,593	25,541	10,063	1,763	217	9	..
	2016	37,430	25,314	10,127	1,763	217	9	..
	2017	39,764	26,510	11,262	1,755	229	8	..
Bolivia (Plur. State of)	2014	*2,212	*1,713	494	..	3	*2	..
	2015	*2,416	*1,913	495	..	3	5	..
	2016	*2,446	*1,919	495	..	27	5	..
	2017	*2,610	*1,953	619	..	27	11	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
269	209	60	..	2,560	939	1,563	..	57
232	172	60	..	2,992	1,030	1,666	..	296
232	172	60	..	3,139	1,063	1,709	..	367
232	172	60	..	3,191	1,053	1,717	..	421
*61	*61	..	..	*6,036	*5,739	99	..	198
*61	*61	..	..	*6,051	*5,739	99	..	213
*61	*61	..	..	6,196	5,839	99	..	258
*61	*61	..	..	*6,196	*5,839	*99	..	*258
..	..	..	..	97	97	..	..	..
..	..	..	..	97	97	..	..	..
..	..	..	..	97	97	..	..	..
..	..	..	..	*88	*88	..	..	..
*4	*4	..	..	*60	*56	..	..	*4
*4	*4	..	..	60	56	..	..	4
*4	*4	..	..	61	56	..	..	*4
*4	*4	..	..	61	56	..	..	*4
..	..	..	..	88	88	..	..	..
..	..	..	..	88	88	..	..	..
..	..	..	..	88	88	..	..	..
..	..	..	..	88	88	..	..	..
..	..	..	..	26	26	..	..	0
..	..	..	..	25	25	..	..	0
..	..	..	..	25	25	..	..	0
..	..	..	..	25	25	..	..	0
..	..	..	..	*58	*46	*13	..	..
..	..	..	..	53	46	6	..	1
..	..	..	..	53	46	6	..	1
..	..	..	..	*53	*46	*6	..	*1
*94	*94	..	..	2,405	2,402	..	..	3
*97	*97	..	..	2,405	2,402	..	..	3
*100	*100	..	..	2,405	2,402	..	..	3
*104	*104	..	..	2,405	2,402	..	..	3
..	..	..	..	79	79	..	..	..
..	..	..	..	82	82	..	..	..
..	..	..	..	82	82	..	..	..
..	..	..	..	83	82	..	..	1
38,193	29,202	306	8,685	1,036,351	758,205	101,856	98,569	77,721
40,974	29,315	306	11,353	1,031,496	742,417	101,933	98,672	88,474
43,858	29,133	357	14,368	1,042,991	735,654	102,335	99,565	105,437
47,338	29,106	357	17,875	1,052,995	733,659	102,346	99,629	117,361
*12	0	..	*12	321	316	..	..	*5
*15	0	..	*15	*325	*316	..	..	*9
*15	0	..	*15	*325	*316	..	..	*9
*15	0	..	*15	*325	*316	..	..	*9
32,404	26,991	5,371	42	238,556	86,686	141,926	3,008	6,936
34,026	28,553	5,425	49	250,304	88,673	147,099	3,753	10,778
36,519	30,879	5,532	108	265,662	91,907	155,706	3,753	14,296
38,656	32,665	5,637	354	275,758	92,632	160,501	3,745	18,880
4,014	3,992	20	2	31,931	20,659	10,054	1,018	200
3,646	3,624	20	2	33,947	21,917	10,043	1,763	224
3,614	3,592	20	2	33,816	21,722	10,107	1,763	224
3,614	3,592	20	2	36,150	22,918	11,242	1,755	235
*112	*110	..	*2	*2,100	*1,603	494	..	3
*178	*173	..	5	*2,238	*1,740	495	..	3
*192	*187	..	5	*2,254	*1,732	495	..	27
*206	*195	..	11	*2,404	*1,758	619	..	27

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Brazil	2014	133,913	37,827	89,193	1,990	4,888	15	..
	2015	140,857	39,563	91,650	1,990	7,633	21	..
	2016	150,422	41,286	96,931	1,990	10,129	86	..
	2017	157,580	41,881	100,319	1,990	12,293	1,097	..
Chile	2014	20,513	13,111	6,445	..	736	221	0
	2015	21,436	13,451	6,499	..	910	576	0
	2016	24,530	15,695	6,671	..	1,039	1,125	0
	2017	26,309	16,500	6,656	..	1,295	1,834	24
Colombia	2014	15,823	6,043	9,696	..	18	..	66
	2015	17,661	6,093	11,484	..	18	..	66
	2016	17,597	5,972	11,606	..	18	..	0
	2017	17,837	6,084	11,726	..	18	10	0
Ecuador	2014	6,165	3,801	2,316	..	21	26	..
	2015	6,545	3,969	2,529	..	21	26	..
	2016	8,697	4,105	4,545	..	21	26	..
	2017	8,396	3,713	4,636	..	21	26	..
Falkland Is. (Malvinas)	2014	9	7	..	..	2	..	..
	2015	9	7	..	..	2	..	..
	2016	9	7	..	..	2	..	..
	2017	9	7	..	..	2	..	..
Guyana	2014	375	374	..	..	..	1	..
	2015	351	350	..	..	..	1	..
	2016	343	342	..	..	..	2	..
	2017	354	351	..	..	..	3	..
Paraguay	2014	8,825	15	8,810	..	..	..	..
	2015	8,825	15	8,810	..	..	..	..
	2016	8,811	1	8,810	..	..	..	..
	2017	8,811	1	8,810	..	..	..	..
Peru	2014	11,203	7,302	3,662	..	143	96	..
	2015	12,089	7,619	4,130	..	240	100	..
	2016	14,517	8,988	5,189	..	240	100	..
	2017	14,775	9,005	5,246	..	240	284	..
Suriname	2014	496	307	189	..	..	..	..
	2015	501	307	189	..	..	5	..
	2016	501	*307	189	..	..	*5	..
	2017	501	*307	189	..	..	*5	..
Uruguay	2014	3,713	1,690	1,538	..	481	4	..
	2015	3,989	1,530	1,538	..	857	65	..
	2016	3,913	1,075	1,538	..	1,212	89	..
	2017	4,546	1,255	1,538	..	1,511	243	..
Venezuela (Bolivar. Rep.)	2014	31,771	16,838	14,880	..	50	2	1
	2015	32,059	16,869	15,137	..	50	2	1
	2016	32,967	17,777	15,137	..	50	2	1
	2017	32,923	17,732	15,137	..	50	3	*1
Asia	2014	2,945,675	2,121,472	527,950	98,162	130,662	56,069	11,360
	2015	3,125,775	2,206,505	552,060	104,036	166,439	86,281	10,455
	2016	3,385,790	2,347,685	570,576	112,342	195,844	140,832	18,510
	2017	3,532,276	2,376,818	586,136	111,923	217,792	218,169	21,438
Afghanistan	2014	*431	*115	*316	..	..	..	..
	2015	519	*135	384	..	..	..	..
	2016	*519	*135	*384	..	..	..	..
	2017	*519	*135	*384	..	..	..	..
Armenia	2014	4,091	2,390	1,289	408	4	..	..
	2015	4,088	2,390	1,286	408	3	1	..
	2016	4,113	2,390	1,311	408	3	1	..
	2017	4,132	2,390	1,327	408	3	4	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
20,901	16,027	4,863	11	113,012	21,800	84,330	1,990	4,892
22,851	17,956	4,884	11	118,006	21,607	86,766	1,990	7,643
24,199	19,185	4,949	65	126,223	22,101	91,982	1,990	10,150
25,091	19,905	5,046	140	132,489	21,976	95,273	1,990	13,250
1,310	1,282	28	0	19,203	11,829	6,417	..	957
1,328	1,319	8	1	20,108	12,132	6,491	..	1,485
2,486	2,448	36	2	22,044	13,247	6,635	..	2,162
3,779	3,658	8	113	22,530	12,842	6,648	..	3,040
*1,620	*1,528	92	..	14,203	4,515	9,604	..	84
*1,620	*1,528	*92	..	16,041	4,565	11,392	..	84
*1,624	*1,530	*94	..	15,973	4,442	11,512	..	18
*1,624	*1,530	*94	..	16,213	4,554	11,632	..	28
865	791	75	..	5,299	3,011	2,241	..	48
988	861	128	..	5,557	3,109	2,402	..	47
1,090	963	127	..	7,607	3,142	4,418	..	47
*950	*800	*150	..	7,446	2,913	4,486	..	47
..	..	..	..	9	7	..	..	2
..	..	..	..	9	7	..	..	2
..	..	..	..	9	7	..	..	2
..	..	..	..	9	7	..	..	2
54	54	..	..	321	320	..	..	1
54	54	..	..	297	296	..	..	1
54	54	..	..	289	288	..	..	2
54	54	..	..	300	297	..	..	3
..	..	..	..	8,825	15	8,810	..	..
..	..	..	..	8,825	15	8,810	..	..
..	..	..	..	8,811	1	8,810	..	..
..	..	..	..	8,811	1	8,810	..	..
1,464	1,360	104	..	9,739	5,942	3,558	..	239
1,578	1,474	104	..	10,511	6,145	4,026	..	340
1,473	1,356	117	..	13,044	7,632	5,072	..	340
1,536	1,366	130	*40	13,239	7,639	5,116	..	484
312	123	189	..	184	184	..	..	..
312	123	189	..	189	184	..	..	5
312	*123	189	..	*189	*184	..	..	*5
312	*123	189	..	*189	*184	..	..	*5
449	422	..	27	3,264	1,268	1,538	..	458
461	432	..	30	3,527	1,098	1,538	..	891
466	432	..	34	3,447	643	1,538	..	1,266
480	432	..	48	4,066	823	1,538	..	1,705
1,303	1,303	..	..	30,467	15,534	14,880	..	53
1,010	1,010	..	..	31,049	15,859	15,137	..	53
*1,010	*1,010	..	..	31,957	16,767	15,137	..	53
*1,010	*1,010	..	..	31,913	16,722	15,137	..	54
306,438	259,822	15,891	30,724	2,639,237	1,861,650	512,058	98,162	167,366
374,082	313,220	19,347	41,515	2,751,693	1,893,285	532,713	104,036	221,659
329,552	267,998	16,102	45,452	3,056,238	2,079,687	554,474	112,342	309,734
290,315	223,466	16,904	49,945	3,241,961	2,153,351	569,232	111,923	407,454
*182	*55	*127	..	*249	*60	*189	..	..
*195	65	*130	..	324	*70	254	..	..
*195	*65	*130	..	*324	*70	*254	..	..
*195	*65	*130	..	*324	*70	*254	..	..
..	..	..	..	4,091	2,390	1,289	408	4
..	..	..	..	4,088	2,390	1,286	408	4
..	..	..	..	4,113	2,390	1,311	408	4
..	..	..	..	4,132	2,390	1,327	408	7

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Azerbaijan	2014	7,353	6,270	1,078	..	3	2	..
	2015	7,808	6,692	1,103	..	8	5	..
	2016	7,911	6,766	1,105	..	16	25	..
	2017	7,942	6,791	1,106	..	16	28	..
Bahrain	2014	6,975	6,975	..	..	..	..	..
	2015	6,978	6,972	..	..	1	5	..
	2016	6,977	6,971	..	..	1	5	..
	2017	6,977	6,971	..	..	*1	*5	..
Bangladesh	2014	9,443	9,091	*230	..	*1	121	..
	2015	11,150	10,784	*230	..	*1	135	..
	2016	11,866	11,495	230	..	*1	140	..
	2017	12,213	11,817	230	..	*1	165	..
Bhutan	2014	1,499	11	1,488	..	..	0	..
	2015	1,622	8	1,614	..	..	0	..
	2016	1,624	9	1,614	..	1	0	..
	2017	1,623	8	1,614	..	1	0	..
Brunei Darussalam	2014	*811	*810	..	..	..	*1	..
	2015	*819	*818	..	..	..	*1	..
	2016	*820	*819	..	..	..	*1	..
	2017	993	992	..	..	..	1	..
Cambodia	2014	1,513	582	929	..	..	*2	..
	2015	1,659	728	930	..	..	*2	..
	2016	1,683	751	930	..	..	*2	..
	2017	1,878	888	980	..	..	10	..
China	2014	1,473,101	1,014,410	313,981	20,080	96,570	24,860	*3,200
	2015	1,628,711	1,095,840	331,671	27,170	130,750	42,180	*1,100
	2016	1,763,172	1,160,274	344,371	33,642	147,472	76,313	*1,100
	2017	1,839,360	1,149,480	356,640	35,820	164,000	130,420	*3,000
China, Hong Kong SAR	2014	12,625	12,625	..	..	..	..	..
	2015	12,625	12,625	..	..	..	..	..
	2016	12,625	12,625	..	..	..	..	..
	2017	12,492	12,492	..	..	..	..	..
China, Macao SAR	2014	511	511	..	..	..	..	..
	2015	512	512	..	..	..	..	..
	2016	512	512	..	..	..	..	..
	2017	512	512	..	..	..	..	..
Cyprus	2014	1,721	1,510	..	..	147	64	..
	2015	1,752	1,519	..	..	158	76	..
	2016	1,756	1,515	..	..	158	84	..
	2017	1,782	1,515	..	..	158	110	..
Georgia	2014	3,471	680	2,791	..	..	..	..
	2015	3,718	913	2,805	..	..	..	..
	2016	3,919	926	2,972	..	21	..	..
	2017	4,121	924	3,176	..	21	..	..
India	2014	*316,382	*241,396	*40,064	5,780	25,244	3,898	..
	2015	287,134	210,430	40,337	5,780	*25,088	*5,499	..
	2016	374,789	267,129	44,591	6,780	35,480	12,514	8,295
	2017	400,701	276,294	45,358	6,780	38,186	24,538	9,545
Indonesia	2014	61,689	53,692	5,655	..	*7	9	2,326
	2015	74,448	65,967	6,186	..	*5	10	2,280
	2016	59,305	52,622	4,868	..	*7	13	*1,795
	2017	*60,980	*53,517	*5,190	..	*7	*17	*2,249
Iran (Islamic Rep. of)	2014	73,148	61,174	10,789	1,020	154	1	12
	2015	74,185	61,632	11,354	1,020	159	9	12
	2016	74,104	61,262	11,578	1,020	191	43	*10
	2017	*76,428	*63,145	11,949	1,020	191	111	*12

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
242	242	..	..	7,111	6,028	1,078	..	5
663	663	..	..	7,145	6,029	1,103	..	13
745	737	..	8	7,167	6,029	1,105	..	33
770	762	..	8	7,172	6,029	1,106	..	36
*3,050	*3,050	..	..	3,925	3,925	..	..	..
*3,050	*3,050	..	..	3,928	3,922	..	..	6
*3,050	*3,050	..	..	3,927	3,921	..	..	6
*3,050	*3,050	..	..	3,927	3,921	..	..	*6
2,302	2,302	..	..	7,141	6,789	*230	..	122
2,377	2,377	..	..	8,773	8,407	*230	..	136
2,279	2,279	..	..	9,587	9,216	230	..	141
2,404	2,404	..	..	9,809	9,413	230	..	166
..	..	..	..	1,499	11	1,488	..	0
..	..	..	..	1,622	8	1,614	..	0
..	..	..	..	1,624	9	1,614	..	1
..	..	..	..	1,623	8	1,614	..	1
*110	*110	..	..	*701	*700	..	..	*1
*110	*110	..	..	*709	*708	..	..	*1
*110	*110	..	..	*709	*708	..	..	*1
117	117	..	..	876	875	..	..	1
..	..	..	..	1,513	582	929	..	*2
..	..	..	..	1,659	728	930	..	*2
..	..	..	..	1,683	751	930	..	*2
..	..	..	..	1,878	888	980	..	10
*91,211	*82,090	*9,121	..	1,381,890	932,320	304,860	20,080	124,630
*102,431	*90,300	*12,131	..	1,526,280	1,005,540	319,540	27,170	174,030
*111,630	*99,330	*12,300	..	1,651,542	1,060,944	332,071	33,642	224,885
*57,400	*44,530	*12,870	..	1,781,960	1,104,950	343,770	35,820	297,420
..	..	..	..	12,625	12,625	..	..	..
..	..	..	..	12,625	12,625	..	..	..
..	..	..	..	12,625	12,625	..	..	..
..	..	..	..	12,492	12,492	..	..	..
*39	*39	..	..	472	472	..	..	..
*40	*40	..	..	472	472	..	..	..
*40	*40	..	..	472	472	..	..	..
*40	*40	..	..	472	472	..	..	..
50	32	..	18	1,671	1,478	..	..	193
67	41	..	26	1,685	1,478	..	..	208
67	37	..	30	1,689	1,478	..	..	212
72	37	..	35	1,710	1,478	..	..	233
..	..	..	..	3,471	680	2,791	..	..
..	..	..	..	3,718	913	2,805	..	..
..	..	..	..	3,919	926	2,972	..	21
..	..	..	..	4,121	924	3,176	..	21
*44,660	*42,651	64	*1,945	*271,722	*198,745	*40,000	5,780	27,197
82,020	79,955	65	*2,000	205,114	130,475	40,272	5,780	*28,587
52,283	48,799	59	*3,425	322,506	218,330	44,532	6,780	52,864
56,877	53,387	65	*3,425	343,824	222,907	45,293	6,780	68,844
*10,038	*8,434	*850	*754	51,651	45,258	4,805	..	1,588
*19,054	*17,000	*1,300	*754	55,394	48,967	4,886	..	1,541
*19,325	*17,000	*1,300	*1,025	39,980	35,622	3,568	..	790
*19,881	*17,289	*1,386	*1,206	*41,099	*36,228	*3,804	..	*1,067
5,581	5,581	..	..	67,568	55,593	10,789	1,020	166
5,581	5,581	..	..	68,604	56,051	11,354	1,020	179
5,581	5,581	..	..	68,523	55,681	11,578	1,020	244
*5,753	*5,753	..	..	*70,675	*57,392	11,949	1,020	314

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iraq	2014	25,589	23,076	2,513	..	..	..	..
	2015	31,111	28,598	2,513	..	..	..	..
	2016	32,177	29,664	2,513	..	..	..	..
	2017	32,177	29,664	2,513	..	..	..	..
Israel	2014	16,220	15,526	7	..	6	681	..
	2015	17,221	16,466	7	..	6	742	..
	2016	17,585	16,689	7	..	27	862	..
	2017	17,827	16,813	9	..	27	978	..
Japan	2014	315,621	196,664	49,597	44,264	2,753	19,335	*3,008
	2015	320,908	194,388	50,034	42,048	2,808	28,614	*3,016
	2016	334,608	198,299	50,117	41,482	3,246	38,438	*3,026
	2017	336,927	197,092	50,014	39,132	3,483	44,225	*2,981
Jordan	2014	4,199	4,186	12	..	1	..	..
	2015	4,455	4,320	12	..	118	5	..
	2016	4,465	3,969	12	..	198	286	..
	2017	4,540	3,934	12	..	198	396	..
Kazakhstan	2014	*25,011	*22,500	*2,500	..	*10	*1	..
	2015	*25,149	*22,500	*2,500	..	*100	*49	..
	2016	*25,223	*22,500	*2,500	..	*170	*53	..
	2017	*25,256	*22,500	*2,500	..	*200	*56	..
Korea, Dem.Ppl's.Rep.	2014	7,253	2,960	4,293	..	..	..	..
	2015	7,427	2,960	4,467	..	..	..	..
	2016	7,661	2,960	4,701	..	..	..	..
	2017	7,721	2,960	4,761	..	..	..	..
Korea, Republic of	2014	99,817	69,122	6,467	20,716	612	2,481	419
	2015	103,191	70,108	6,471	21,716	847	3,615	434
	2016	111,203	75,559	6,485	23,116	1,067	4,502	474
	2017	122,950	86,377	6,489	22,529	1,215	5,834	506
Kuwait	2014	15,739	15,739	..	..	..	..	..
	2015	18,279	18,279	..	..	..	..	..
	2016	18,892	18,890	..	..	..	*2	..
	2017	18,765	18,763	..	..	..	*2	..
Kyrgyzstan	2014	*3,864	*800	*3,064	..	..	..	..
	2015	*3,865	*801	*3,064	..	..	..	..
	2016	*3,786	*722	*3,064	..	..	..	..
	2017	3,869	*734	3,135	..	..	..	..
Lao People's Dem. Rep.	2014	3,098	40	3,058	..	..	1	..
	2015	5,813	1,918	3,894	..	..	2	..
	2016	6,457	1,918	4,538	..	..	2	..
	2017	6,930	1,918	5,006	..	..	7	..
Lebanon	2014	3,537	3,259	*274	..	..	4	..
	2015	3,643	3,359	*274	..	..	10	..
	2016	3,662	3,359	280	..	..	23	..
	2017	3,698	3,409	*253	..	..	36	..
Malaysia	2014	29,974	25,040	4,773	..	..	161	..
	2015	30,440	23,519	5,716	..	..	226	979
	2016	33,090	25,732	6,137	..	..	280	940
	2017	33,334	26,848	6,128	..	..	358	..
Maldives	2014	271	266	..	..	1	4	..
	2015	271	266	..	..	1	4	..
	2016	274	266	..	..	1	7	..
	2017	*277	*266	..	..	1	10	..
Mongolia	2014	*1,341	*1,262	26	..	52	1	..
	2015	*1,341	*1,262	26	..	52	1	..
	2016	*1,359	*1,273	29	..	52	5	..
	2017	1,456	1,302	29	..	102	23	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	25,589	23,076	2,513	..	..
..	..	..	..	31,111	28,598	2,513	..	..
..	..	..	..	32,177	29,664	2,513	..	..
..	..	..	..	32,177	29,664	2,513	..	..
1,145	462	2	681	15,075	15,064	5	..	6
1,235	491	2	742	15,986	15,975	5	..	6
1,387	523	2	862	16,198	16,166	5	..	27
1,591	608	5	978	16,236	16,205	4	..	27
81,593	52,887	4,194	24,512	234,028	143,777	45,403	44,264	584
89,424	51,348	4,248	33,828	231,484	143,040	45,786	42,048	610
60,154	23,907	596	35,651	274,454	174,392	49,521	41,482	9,059
64,096	23,831	452	39,813	272,831	173,261	49,562	39,132	10,876
*199	*199	..	..	4,000	3,987	12	..	1
*199	*199	..	..	4,256	4,121	12	..	123
*199	*199	..	..	4,266	3,770	12	..	484
*199	*199	..	..	4,341	3,735	12	..	594
*1	..	..	*1	*25,010	*22,500	*2,500	..	*10
*1	..	..	*1	*25,148	*22,500	*2,500	..	*148
*1	..	..	*1	*25,222	*22,500	*2,500	..	*222
*1	..	..	*1	*25,255	*22,500	*2,500	..	*255
..	..	..	..	7,253	2,960	4,293	..	..
..	..	..	..	7,427	2,960	4,467	..	..
..	..	..	..	7,661	2,960	4,701	..	..
..	..	..	..	7,721	2,960	4,761	..	..
7,702	7,001	..	701	92,115	62,121	6,467	20,716	2,811
7,496	6,404	..	1,092	95,695	63,704	6,471	21,716	3,804
7,461	6,656	..	805	103,742	68,903	6,485	23,116	5,238
9,037	8,247	..	790	113,913	78,130	6,489	22,529	6,765
*20	*20	..	..	15,719	15,719	..	..	..
*20	*20	..	..	18,259	18,259	..	..	..
22	20	..	*2	18,870	18,870	..	..	..
22	20	..	*2	18,743	18,743	..	..	..
*5	*5	..	..	*3,859	*795	*3,064	..	..
*6	*6	..	..	*3,859	*795	*3,064	..	..
*6	*6	..	..	*3,780	*716	*3,064	..	..
*6	*6	..	..	3,863	*728	3,135	..	..
..	..	..	..	3,098	40	3,058	..	1
..	..	..	..	5,813	1,918	3,894	..	2
..	..	..	..	6,457	1,918	4,538	..	2
..	..	..	..	6,930	1,918	5,006	..	7
*954	*950	..	4	2,583	2,309	*274	..	..
*1,060	*1,050	..	10	2,583	2,309	*274	..	..
*1,073	*1,050	..	23	2,589	2,309	280	..	..
*1,136	*1,100	..	36	2,562	2,309	*253	..	..
2,351	2,345	5	1	27,623	22,695	4,768	..	160
3,072	2,210	2	860	27,368	21,309	5,714	..	345
3,301	2,506	2	793	29,789	23,226	6,135	..	427
2,442	2,438	2	2	30,892	24,410	6,126	..	356
125	125	..	..	146	141	..	..	5
125	125	..	..	146	141	..	..	5
125	125	..	..	149	141	..	..	8
*125	*125	..	..	*152	*141	..	..	11
*206	*180	26	..	*1,135	*1,082	..	..	53
*206	*180	26	..	*1,135	*1,082	..	..	53
*209	*180	29	..	*1,150	*1,093	..	..	57
*209	*180	29	..	1,247	1,122	..	..	125

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Myanmar	2014	4,805	1,620	3,185	..	..	..	..
	2015	5,259	2,076	3,183	..	..	..	..
	2016	5,390	2,135	3,255	..	..	..	..
	2017	*5,536	*2,193	*3,343	..	..	..	..
Nepal	2014	*829	53	*776	..	..	..	..
	2015	798	53	738	..	*6	*1	..
	2016	979	53	919	..	*6	*1	..
	2017	*1,141	53	*1,081	..	*6	*1	..
Oman	2014	8,214	8,214	..	..	..	..	..
	2015	7,868	7,868	..	..	..	..	..
	2016	8,165	8,165	..	..	..	..	..
	2017	8,228	8,228	..	..	..	..	..
Other Asia	2014	48,413	37,313	4,683	5,144	637	636	..
	2015	48,666	37,299	4,691	5,144	647	884	..
	2016	49,580	37,817	4,691	5,144	682	1,245	..
	2017	49,286	36,991	4,691	5,144	692	1,768	..
Pakistan	2014	25,424	17,583	6,985	750	106	..	..
	2015	25,329	17,108	7,115	750	256	100	..
	2016	27,449	18,845	7,115	750	339	400	..
	2017	32,249	22,853	7,115	1,090	791	400	..
Philippines	2014	18,063	12,280	3,559	..	283	23	1,918
	2015	18,989	12,864	3,616	..	427	165	1,917
	2016	21,869	15,127	3,634	..	427	765	1,916
	2017	23,341	16,470	3,643	..	427	885	1,916
Qatar	2014	*8,791	*8,791	..	..	..	..	..
	2015	*8,561	*8,561	..	..	..	..	..
	2016	*8,559	*8,559	..	..	..	..	..
	2017	*10,170	*10,170	..	..	..	..	..
Saudi Arabia	2014	65,507	65,506	..	..	..	1	..
	2015	69,156	69,155	..	..	..	1	..
	2016	74,703	74,702	..	..	0	1	..
	2017	80,474	80,471	..	..	3	1	..
Singapore	2014	12,919	12,894	..	..	..	26	..
	2015	13,059	13,013	..	..	..	46	..
	2016	13,445	13,348	..	..	..	97	..
	2017	13,612	13,500	..	..	..	112	..
Sri Lanka	2014	4,043	2,233	1,664	..	131	14	..
	2015	3,948	2,108	1,684	..	127	29	..
	2016	4,010	2,088	1,722	..	129	71	..
	2017	5,094	2,144	1,720	..	1,128	102	..
State of Palestine	2014	163	160	..	..	..	3	..
	2015	172	160	..	..	..	12	..
	2016	185	160	..	..	..	25	..
	2017	190	160	..	..	..	30	..
Syrian Arab Republic	2014	*9,604	*8,109	1,494	..	1	..	..
	2015	*9,123	*7,550	1,572	..	1	..	..
	2016	9,122	8,192	929	..	1	..	..
	2017	*9,130	*8,199	*929	..	1	1	..
Tajikistan	2014	6,280	421	5,859	..	..	..	..
	2015	6,283	422	5,861	..	..	..	..
	2016	6,577	719	5,858	..	..	..	..
	2017	*6,577	*719	*5,858	..	..	..	..
Thailand	2014	55,452	48,238	3,444	..	200	*3,570	0
	2015	58,508	51,403	3,453	..	233	*3,419	0
	2016	60,758	53,653	3,452	..	*233	*3,419	0
	2017	60,629	53,505	3,452	..	*233	*3,438	0

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
628	456	172	..	4,177	1,164	3,013	..	..
*628	*456	*172	..	4,631	1,620	3,011	..	..
800	628	172	..	4,590	1,507	3,083	..	..
*822	*645	*177	..	*4,714	*1,548	*3,166	..	..
*175	..	*175	..	*654	53	*601	..	..
97	..	97	..	701	53	641	..	*7
278	..	278	..	701	53	641	..	*7
513	..	513	0	*628	53	*568	..	*7
..	..	..	..	8,214	8,214	..	..	..
..	..	..	..	7,868	7,868	..	..	..
..	..	..	..	8,165	8,165	..	..	..
..	..	..	..	8,228	8,228	..	..	..
8,046	8,042	..	4	40,367	29,271	4,683	5,144	1,269
8,033	8,029	..	4	40,633	29,271	4,691	5,144	1,527
7,753	7,749	..	4	41,826	30,068	4,691	5,144	1,923
7,644	7,639	..	4	41,643	29,352	4,691	5,144	2,456
594	594	..	..	24,830	16,989	6,985	750	106
630	630	..	..	24,699	16,478	7,115	750	356
693	693	..	..	26,756	18,152	7,115	750	739
831	831	..	..	31,418	22,022	7,115	1,090	1,191
*119	*103	*16	..	17,944	12,177	3,543	..	2,224
*224	*208	*16	..	18,765	12,656	3,600	..	2,509
*444	*428	*16	..	21,425	14,699	3,618	..	3,108
*613	*597	*16	..	22,728	15,873	3,627	..	3,228
*7,472	*7,472	..	..	*1,319	*1,319	..	..	..
*7,277	*7,277	..	..	*1,284	*1,284	..	..	..
*7,275	*7,275	..	..	*1,284	*1,284	..	..	..
*8,644	*8,644	..	..	*1,526	*1,526	..	..	..
10,167	10,167	..	..	55,340	55,339	..	..	1
10,979	10,979	..	..	58,177	58,176	..	..	1
12,124	12,124	..	..	62,579	62,578	..	..	1
14,626	14,626	..	..	65,848	65,845	..	..	3
349	349	..	..	12,571	12,545	..	..	26
418	418	..	..	12,641	12,595	..	..	46
418	418	..	..	13,027	12,931	..	..	97
569	569	..	..	13,043	12,931	..	..	112
320	20	287	13	3,723	2,213	1,377	..	133
355	20	307	28	3,593	2,088	1,377	..	128
412	24	338	50	3,598	2,064	1,384	..	150
436	29	356	51	4,658	2,115	1,364	..	1,179
22	20	..	2	142	140	..	..	2
26	20	..	6	146	140	..	..	6
33	20	..	13	153	140	..	..	13
35	20	..	15	155	140	..	..	15
*1,095	*1,095	..	..	*8,509	*7,014	1,494	..	1
*1,095	*1,095	..	..	*8,028	*6,455	1,572	..	1
912	912	..	..	8,210	7,280	929	..	1
*912	*912	..	..	*8,218	*7,287	*929	..	2
..	..	..	..	6,280	421	5,859	..	..
..	..	..	..	6,283	422	5,861	..	..
..	..	..	..	6,577	719	5,858	..	..
..	..	..	..	*6,577	*719	*5,858	..	..
*17,974	*15,974	..	*2,000	37,478	32,264	3,444	..	1,770
*17,974	*15,974	..	*2,000	40,534	35,429	3,453	..	1,652
*17,974	*15,974	..	*2,000	42,784	37,679	3,452	..	*1,652
*16,949	*14,949	..	*2,000	43,680	38,556	3,452	..	*1,671

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Timor-Leste	2014	287	286	1	..	..	..	..
	2015	*161	*160	1	..	..	..	..
	2016	272	271	1	..	..	..	..
	2017	272	271	1	..	..	..	..
Turkey	2014	69,520	41,730	23,643	..	3,630	40	477
	2015	73,147	41,810	25,868	..	4,503	249	717
	2016	78,497	44,278	26,681	..	5,751	833	954
	2017	85,201	46,762	27,273	..	6,516	3,421	1,229
Turkmenistan	2014	*4,000	*4,000	..	..	..	..	..
	2015	*4,400	*4,400	..	..	..	..	..
	2016	4,674	4,674	..	..	..	..	..
	2017	5,200	5,200	..	..	..	..	..
United Arab Emirates	2014	28,829	28,706	..	..	..	123	..
	2015	28,745	28,622	..	..	..	123	..
	2016	28,761	28,638	..	..	..	123	..
	2017	30,371	30,048	..	..	..	323	..
Uzbekistan	2014	*12,629	*10,867	1,761	..	..	1	..
	2015	*12,629	*10,867	1,761	..	..	1	..
	2016	*12,754	*10,958	1,794	..	..	2	..
	2017	*12,800	*10,958	1,839	..	..	3	..
Viet Nam	2014	*34,080	*18,269	*15,702	..	109	..	..
	2015	*38,553	*22,779	*15,639	..	135	..	..
	2016	*42,135	*25,783	*16,187	..	*165	..	..
	2017	*42,525	*25,953	*16,387	..	*185	..	..
Yemen	2014	1,524	1,519	..	..	..	5	..
	2015	1,579	1,519	..	..	..	60	..
	2016	1,769	1,519	..	..	..	*250	..
	2017	*1,869	*1,519	..	..	..	*350	..
Europe	2014	1,383,494	730,571	262,608	165,962	129,969	90,922	3,462
	2015	1,390,941	714,245	265,404	165,429	142,763	99,625	3,475
	2016	1,410,872	710,073	269,033	166,408	155,743	106,077	3,538
	2017	1,430,535	704,861	272,850	166,004	170,869	112,287	3,664
Albania	2014	1,849	123	1,726	..	..	0	..
	2015	1,922	123	1,799	..	..	0	..
	2016	1,925	*123	1,801	..	..	1	..
	2017	2,172	123	2,048	..	..	1	..
Andorra	2014	*50	*5	*45	..	..	..	..
	2015	*50	*5	*45	..	..	..	..
	2016	*50	*5	*45	..	..	..	..
	2017	*50	*5	*45	..	..	..	..
Austria	2014	24,045	7,859	13,290	..	2,110	785	1
	2015	24,467	7,665	13,375	..	2,489	937	1
	2016	25,217	7,273	14,117	..	2,730	1,096	1
	2017	24,920	6,613	14,150	..	2,887	1,269	1
Belarus	2014	10,221	10,181	34	..	3	3	..
	2015	9,794	9,750	34	..	7	3	..
	2016	10,009	9,826	74	..	62	47	..
	2017	10,151	9,884	103	..	84	80	..
Belgium	2014	20,921	8,601	1,431	5,927	1,944	3,014	4
	2015	21,166	8,520	1,422	5,913	2,176	3,131	4
	2016	21,666	8,629	1,425	5,913	2,370	3,325	4
	2017	22,262	8,502	1,423	5,918	2,805	3,610	4
Bosnia and Herzegovina	2014	4,135	2,086	2,049	..	..	..	..
	2015	*4,304	*2,187	*2,117	..	..	..	..
	2016	4,364	2,200	2,155	..	..	9	..
	2017	4,522	2,295	2,211	..	..	16	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	287	286	1	..	..
..	..	..	..	*161	*160	1	..	..
..	..	..	..	272	271	1	..	..
..	..	..	..	272	271	1	..	..
4,304	3,683	544	77	65,216	38,047	23,099	..	4,070
4,453	3,811	544	98	68,694	37,999	25,324	..	5,371
5,277	4,223	550	504	73,220	40,055	26,131	..	7,034
6,190	4,417	551	1,222	79,011	42,345	26,722	..	9,944
..	..	..	..	*4,000	*4,000	..	..	..
..	..	..	..	*4,400	*4,400	..	..	..
..	..	..	..	4,674	4,674	..	..	..
..	..	..	..	5,200	5,200	..	..	..
..	..	..	..	28,829	28,706	..	..	123
..	..	..	..	28,745	28,622	..	..	123
..	..	..	..	28,761	28,638	..	..	123
..	..	..	..	30,371	30,048	..	..	323
*157	*157	..	..	*12,472	*10,710	1,761	..	1
*157	*157	..	..	*12,472	*10,710	1,761	..	1
*158	*158	..	..	*12,596	*10,800	1,794	..	2
*158	*158	..	..	*12,642	*10,800	1,839	..	3
*3,128	*2,814	*308	*6	*30,952	*15,455	*15,394	..	103
*3,128	*2,814	*308	*6	*35,425	*19,965	*15,331	..	129
*5,391	*5,055	*330	*6	*36,744	*20,728	*15,857	..	*159
*5,483	*5,125	*352	*6	*37,042	*20,828	*16,035	..	*179
*122	*117	..	5	1,402	1,402	..	..	..
*177	*117	..	60	1,402	1,402	..	..	..
*367	*117	..	*250	1,402	1,402	..	..	..
*467	*117	..	*350	*1,402	*1,402	..	..	..
107,322	82,990	3,029	21,303	1,276,172	647,581	259,579	165,962	203,050
112,774	84,301	3,063	25,410	1,278,167	629,944	262,341	165,429	220,453
118,476	86,094	3,269	29,113	1,292,396	623,980	265,764	166,408	236,244
121,422	85,736	3,373	32,314	1,309,113	619,125	269,478	166,004	254,506
25	25	..	..	1,824	98	1,726	..	0
*25	*25	..	..	1,897	98	1,799	..	0
*25	*25	..	..	1,900	*98	1,801	..	1
25	25	..	..	2,147	98	2,048	..	1
..	..	..	..	*50	*5	*45	..	..
..	..	..	..	*50	*5	*45	..	..
..	..	..	..	*50	*5	*45	..	..
..	..	..	..	*50	*5	*45	..	..
2,258	1,723	535	..	21,787	6,136	12,755	..	2,896
2,238	1,701	537	..	22,229	5,964	12,838	..	3,427
2,258	1,712	546	..	22,959	5,561	13,571	..	3,827
1,773	1,341	432	..	23,147	5,272	13,718	..	4,157
790	783	6	1	9,431	9,398	28	..	5
805	797	6	2	8,989	8,953	28	..	8
856	841	6	9	9,153	8,985	68	..	100
854	806	6	42	9,297	9,078	97	..	122
4,424	1,399	..	3,025	16,497	7,202	1,431	5,927	1,937
4,469	1,321	..	3,148	16,697	7,199	1,422	5,913	2,163
4,815	1,467	..	3,348	16,851	7,162	1,425	5,913	2,351
5,108	1,467	..	3,641	17,154	7,035	1,423	5,918	2,778
*230	*230	..	..	3,905	1,856	2,049	..	..
*230	*230	..	..	*4,074	*1,957	*2,117	..	..
*230	*230	..	..	4,134	1,970	2,155	..	9
*230	*230	..	..	4,292	2,065	2,211	..	16

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Bulgaria	2014	11,425	4,470	3,219	1,975	700	1,026	35
	2015	11,016	3,991	3,219	1,975	699	1,029	103
	2016	10,904	3,822	3,223	1,967	699	1,028	165
	2017	11,069	3,785	3,372	*1,967	698	1,036	211
Croatia	2014	4,428	1,933	2,114	..	347	34	..
	2015	4,764	2,124	2,207	..	*375	*58	..
	2016	4,794	2,082	2,175	..	482	56	..
	2017	4,982	2,141	2,205	..	576	60	..
Czechia	2014	21,920	13,032	2,252	4,290	278	2,068	..
	2015	21,866	12,960	2,260	4,290	281	2,075	..
	2016	21,989	13,087	2,262	4,290	282	2,068	..
	2017	22,267	13,334	2,265	4,290	308	2,070	..
Denmark	2014	13,625	8,122	9	..	4,887	607	..
	2015	14,002	8,136	7	..	5,077	782	..
	2016	14,226	8,120	9	..	5,246	851	..
	2017	14,363	7,926	9	..	5,522	906	..
Estonia	2014	3,030	2,750	5	..	275	..	..
	2015	2,857	2,551	6	..	300	..	..
	2016	2,567	2,251	6	..	310	..	..
	2017	2,527	2,208	7	..	312	..	..
Faeroe Islands	2014	*124	*68	*39	..	*16	..	..
	2015	*128	*69	39	..	20	..	..
	2016	*129	*70	*39	..	*20	..	..
	2017	125	69	40	..	16	..	..
Finland	2014	16,299	9,661	3,248	2,752	627	11	..
	2015	16,613	9,593	3,249	2,752	1,005	14	..
	2016	16,283	8,672	3,249	2,764	1,565	33	..
	2017	17,163	8,997	3,272	2,779	2,044	71	..
France	2014	130,003	25,918	25,573	63,130	9,110	6,035	237
	2015	132,179	25,867	25,552	63,130	10,258	7,137	235
	2016	133,095	24,895	25,621	63,130	11,511	7,702	236
	2017	133,001	21,907	25,706	63,130	13,512	8,511	235
Germany	2014	197,501	97,203	11,234	12,074	38,614	37,900	476
	2015	203,419	96,967	11,399	10,799	44,580	39,245	429
	2016	208,500	95,716	11,300	10,799	49,592	40,716	377
	2017	215,510	95,134	11,120	10,799	55,718	42,339	400
Gibraltar	2014	43	43	..	..	..	..	..
	2015	*43	*43	..	..	..	..	..
	2016	*48	*43	..	..	..	..	5
	2017	*48	*43	..	..	..	..	5
Greece	2014	18,895	10,932	3,389	..	1,978	2,596	..
	2015	18,942	10,855	3,392	..	2,091	2,604	..
	2016	19,165	10,799	3,392	..	2,370	2,604	..
	2017	19,427	10,805	3,392	..	2,624	2,606	..
Guernsey	2014	*115	*115	..	..	..	..	..
	2015	*115	*115	..	..	..	..	..
	2016	*115	*115	..	..	..	..	..
	2017	*132	*132	..	..	..	..	..
Hungary	2014	8,667	6,179	57	2,000	329	89	13
	2015	8,634	6,062	57	2,000	329	172	14
	2016	8,758	6,100	57	2,000	329	235	37
	2017	8,858	6,088	57	2,000	329	344	40
Iceland	2014	2,766	114	1,984	..	3	..	665
	2015	2,772	117	1,987	..	3	..	665
	2016	2,772	117	1,987	..	3	..	665
	2017	2,823	116	1,995	..	2	..	710

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
95	60	..	35	11,330	4,410	3,219	1,975	1,726
240	137	..	103	10,776	3,854	3,219	1,975	1,728
352	187	..	165	10,552	3,635	3,223	1,967	1,727
445	234	..	211	10,624	3,551	3,372	*1,967	1,734
*157	*155	*2	..	4,271	1,778	2,112	..	381
167	165	*2	..	4,597	1,959	2,205	..	*433
*167	*165	*2	..	4,627	1,917	2,173	..	537
160	157	3	..	4,822	1,984	2,202	..	636
1,880	1,690	190	..	20,040	11,342	2,062	4,290	2,346
1,876	1,685	191	..	19,990	11,275	2,069	4,290	2,356
1,893	1,702	191	..	20,096	11,385	2,071	4,290	2,350
1,936	1,752	184	..	20,331	11,582	2,081	4,290	2,378
1,223	616	..	607	12,402	7,506	9	..	4,887
1,397	615	..	782	12,605	7,521	7	..	5,077
1,470	619	..	851	12,756	7,501	9	..	5,246
1,552	646	..	906	12,811	7,280	9	..	5,522
24	17	..	7	3,006	2,733	5	..	268
31	25	..	6	2,826	2,526	6	..	294
31	25	..	6	2,536	2,226	6	..	304
27	25	..	2	2,500	2,183	7	..	310
..	..	..	..	*124	*68	*39	..	*16
..	..	..	..	*128	*69	39	..	20
..	..	..	..	*129	*70	*39	..	*20
..	..	..	..	125	69	40	..	16
2,071	1,874	186	11	14,228	7,787	3,062	2,752	627
2,050	1,850	186	14	14,563	7,743	3,063	2,752	1,005
2,064	1,846	186	32	14,219	6,826	3,063	2,764	1,566
2,298	2,039	188	71	14,865	6,958	3,084	2,779	2,044
8,086	3,738	187	4,161	121,917	22,180	25,386	63,130	11,221
8,288	3,705	192	4,391	123,891	22,162	25,360	63,130	13,239
8,662	3,830	194	4,638	124,433	21,065	25,427	63,130	14,811
9,658	3,703	208	5,747	123,343	18,204	25,498	63,130	16,511
9,807	9,456	44	307	187,694	87,747	11,190	12,074	76,683
10,718	10,415	43	260	192,701	86,552	11,356	10,799	83,994
10,588	10,307	43	238	197,912	85,409	11,257	10,799	90,447
11,579	11,310	42	227	203,931	83,824	11,078	10,799	98,230
..	..	..	..	43	43	..	..	..
..	..	..	..	*43	*43	..	..	..
..	..	..	..	*48	*43	..	..	5
..	..	..	..	*48	*43	..	..	5
505	505	..	..	18,390	10,427	3,389	..	4,574
561	561	..	..	18,381	10,294	3,392	..	4,695
568	568	..	..	18,597	10,231	3,392	..	4,974
571	571	..	..	18,856	10,234	3,392	..	5,230
..	..	..	..	*115	*115	..	..	..
..	..	..	..	*115	*115	..	..	..
..	..	..	..	*115	*115	..	..	..
..	..	..	..	*132	*132	..	..	..
274	172	..	102	8,393	6,007	57	2,000	329
376	206	..	170	8,258	5,856	57	2,000	345
468	222	..	246	8,290	5,878	57	2,000	355
590	251	..	339	8,268	5,837	57	2,000	374
..	..	..	..	2,766	114	1,984	..	668
..	..	..	..	2,772	117	1,987	..	668
..	..	..	..	2,772	117	1,987	..	668
..	..	..	..	2,823	116	1,995	..	712

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Ireland	2014	9,155	6,341	529	..	2,283	2	..
	2015	9,567	6,585	529	..	2,451	2	..
	2016	9,905	6,584	529	..	2,786	6	..
	2017	10,491	6,628	529	..	3,318	16	..
Isle of Man	2014	186	185	1	..	..	..	..
	2015	186	185	1	..	..	..	..
	2016	184	183	1	..	..	..	..
	2017	187	186	1	..	..	..	..
Italy	2014	121,747	71,272	22,098	..	8,683	18,594	1,100
	2015	116,964	65,617	22,220	..	9,137	18,901	1,089
	2016	114,162	62,096	22,298	..	9,384	19,283	1,101
	2017	114,240	61,289	22,426	..	9,737	19,682	1,106
Jersey	2014	*240	*240	..	..	..	..	..
	2015	78	78	..	..	..	..	..
	2016	78	78	..	..	..	..	..
	2017	78	78	..	..	..	..	..
Kosovo	2014	*1,122	*1,079	*43	..	..	..	..
	2015	*1,264	*1,221	*43	..	..	..	..
	2016	1,214	1,171	43	..	..	..	..
	2017	*1,244	*1,200	*43	..	..	*1	..
Latvia	2014	2,922	1,265	1,588	..	69	..	0
	2015	2,931	1,275	1,588	..	68	..	0
	2016	2,927	1,292	1,564	..	70	1	0
	2017	2,942	1,299	1,564	..	78	1	..
Liechtenstein	2014	*15	1	*10	..	..	*4	..
	2015	*16	*1	*10	..	..	*5	..
	2016	*16	*1	*10	..	..	*5	..
	2017	*16	*1	*10	..	..	*5	..
Lithuania	2014	4,037	2,778	877	..	288	69	25
	2015	3,587	2,180	877	..	436	69	25
	2016	3,665	2,184	877	..	509	70	25
	2017	3,326	1,832	877	..	518	74	25
Luxembourg	2014	2,022	524	1,330	..	58	110	..
	2015	2,024	514	1,330	..	64	116	..
	2016	1,709	137	1,330	..	120	122	..
	2017	1,696	118	1,330	..	120	128	..
Malta	2014	738	623	..	..	..	*115	..
	2015	757	593	..	..	..	*164	..
	2016	726	543	..	..	..	*183	..
	2017	758	543	..	..	..	*215	..
Montenegro	2014	870	219	651	..	..	..	..
	2015	870	219	651	..	..	..	..
	2016	870	219	651	..	..	..	..
	2017	942	219	651	..	72	..	..
Netherlands	2014	31,762	27,286	37	485	2,865	1,048	41
	2015	33,866	28,401	37	485	3,391	1,515	37
	2016	34,176	27,311	37	485	4,257	2,049	37
	2017	33,815	26,150	37	485	4,202	2,904	37
North Macedonia	2014	1,759	1,077	630	..	37	15	..
	2015	1,790	1,074	658	..	37	17	4
	2016	1,793	1,074	660	..	37	17	5
	2017	1,806	1,074	671	..	37	17	7
Norway	2014	33,697	1,563	31,240	..	859	..	35
	2015	33,837	1,563	31,372	..	867	..	35
	2016	33,825	1,073	31,834	..	883	..	35
	2017	34,245	1,074	31,929	..	1,207	..	35

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
343	341	..	2	8,812	6,000	529	..	2,283
345	343	..	2	9,222	6,242	529	..	2,451
351	345	..	6	9,554	6,239	529	..	2,786
366	350	..	16	10,125	6,278	529	..	3,318
..	..	..	..	186	185	1	..	..
..	..	..	..	186	185	1	..	..
8	8	..	..	176	175	1	..	..
8	8	..	..	180	179	1	..	..
4,074	3,853	119	102	117,673	67,419	21,979	..	28,275
5,258	5,042	121	95	111,706	60,575	22,099	..	29,032
4,834	4,658	117	59	109,328	57,438	22,181	..	29,709
5,034	4,863	119	52	109,206	56,426	22,307	..	30,473
*28	*28	..	..	*212	*212	..	..	..
*28	*28	..	..	50	50	..	..	..
*28	*28	..	..	50	50	..	..	..
*28	*28	..	..	50	50	..	..	..
..	..	..	..	*1,122	*1,079	*43	..	..
..	..	..	..	*1,264	*1,221	*43	..	..
..	..	..	..	1,214	1,171	43	..	..
..	..	..	..	*1,244	*1,200	*43	..	*1
42	41	1	0	2,880	1,224	1,587	..	69
42	41	1	0	2,889	1,234	1,587	..	68
44	41	1	2	2,883	1,251	1,563	..	69
34	31	1	2	2,908	1,268	1,563	..	77
..	..	..	..	*15	1	*10	..	*4
..	..	..	..	*16	*1	*10	..	*5
..	..	..	..	*16	*1	*10	..	*5
..	..	..	..	*16	*1	*10	..	*5
273	248	..	25	3,764	2,530	877	..	357
274	249	..	25	3,313	1,931	877	..	505
278	253	..	25	3,387	1,931	877	..	579
280	255	..	25	3,046	1,577	877	..	592
171	59	2	110	1,851	465	1,328	..	58
180	62	2	116	1,844	452	1,328	..	64
200	76	2	122	1,509	61	1,328	..	120
173	43	2	128	1,523	75	1,328	..	120
*63	3	..	*60	675	620	..	..	55
*93	3	..	*90	664	590	..	..	74
*110	5	..	*105	616	538	..	..	*78
*125	5	..	*120	633	538	..	..	*95
..	..	..	..	870	219	651	..	..
..	..	..	..	870	219	651	..	..
..	..	..	..	870	219	651	..	..
..	..	..	..	942	219	651	..	72
6,793	5,194	..	1,599	24,969	22,092	37	485	2,355
7,041	5,001	..	2,040	26,825	23,400	37	485	2,903
7,446	4,920	..	2,526	26,730	22,391	37	485	3,817
8,258	4,919	..	3,339	25,557	21,231	37	485	3,804
3	3	..	..	1,756	1,074	630	..	52
0	0	..	..	1,790	1,074	658	..	58
0	0	..	..	1,793	1,074	660	..	59
0	0	..	..	1,806	1,074	671	..	61
553	553	..	..	33,144	1,010	31,240	..	894
553	553	..	..	33,284	1,010	31,372	..	902
553	553	..	..	33,272	520	31,834	..	918
539	539	..	..	33,706	535	31,929	..	1,242

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Poland	2014	35,989	29,760	2,364	..	3,836	27	2
	2015	37,327	29,961	2,370	..	4,886	108	2
	2016	38,105	29,783	2,386	..	5,747	187	2
	2017	42,850	34,412	2,391	..	5,758	287	2
Portugal	2014	19,124	8,113	5,715	..	4,855	415	26
	2015	19,624	8,048	6,168	..	4,936	447	25
	2016	20,613	7,990	6,960	..	5,125	513	25
	2017	20,933	7,974	7,226	..	5,125	579	29
Republic of Moldova	2014	*1,083	465	16	..	1	1	*600
	2015	*1,091	473	16	..	1	1	*600
	2016	*1,063	443	16	..	2	2	*600
	2017	*1,077	450	16	..	9	2	*600
Romania	2014	23,884	11,323	6,613	1,411	3,244	1,293	..
	2015	23,830	11,233	6,730	1,411	3,130	1,326	..
	2016	23,580	11,038	6,734	1,411	3,025	1,372	..
	2017	23,572	11,067	6,691	1,411	3,029	1,374	..
Russian Federation	2014	259,020	182,465	50,845	25,304	101	227	78
	2015	257,075	179,148	50,998	26,304	101	446	78
	2016	266,526	187,611	51,016	27,189	96	536	78
	2017	272,448	190,586	53,164	27,952	98	574	74
Serbia	2014	7,326	4,303	3,017	..	..	6	..
	2015	7,358	4,327	3,022	..	..	9	..
	2016	7,410	4,352	3,030	..	17	11	..
	2017	7,416	4,343	3,038	..	25	10	..
Slovakia	2014	8,092	3,068	2,523	1,940	3	533	25
	2015	7,782	2,754	2,522	1,940	3	533	30
	2016	7,742	2,710	2,524	1,940	3	533	32
	2017	7,670	2,645	2,523	1,940	4	528	30
Slovenia	2014	3,454	1,242	1,296	688	4	224	..
	2015	3,360	1,133	1,295	688	5	239	..
	2016	3,536	1,318	1,293	688	5	232	..
	2017	3,619	1,332	1,347	688	5	247	..
Spain	2014	113,638	56,786	19,423	7,399	22,929	7,011	*90
	2015	114,057	56,350	20,253	7,399	22,947	7,018	*90
	2016	113,252	55,454	20,280	7,399	22,994	7,030	*95
	2017	111,144	53,510	20,279	7,117	23,104	7,039	*95
Sweden	2014	39,921	9,270	15,996	9,507	5,088	60	..
	2015	40,885	8,945	16,329	9,688	5,819	104	..
	2016	41,511	8,689	16,466	9,768	6,435	153	..
	2017	39,798	7,442	16,502	8,999	6,611	244	..
Switzerland	2014	19,165	993	13,743	3,308	60	1,061	..
	2015	19,618	1,016	13,815	3,333	60	1,394	..
	2016	20,839	961	14,806	3,333	75	1,664	..
	2017	21,614	946	15,354	3,333	75	1,906	..
Ukraine	2014	55,843	35,335	5,851	13,835	411	411	..
	2015	55,904	35,335	5,883	13,835	428	423	..
	2016	57,335	36,475	6,172	13,835	428	425	..
	2017	52,764	31,492	6,213	13,835	465	759	..
United Kingdom	2014	96,622	63,600	4,474	9,937	13,074	5,528	9
	2015	96,240	58,316	4,521	9,487	14,306	9,601	9
	2016	97,535	55,360	4,579	9,497	16,174	11,912	13
	2017	103,473	56,864	4,619	9,361	19,835	12,776	18
Oceania	2014	80,891	55,860	14,178	..	4,529	5,328	997
	2015	80,897	54,696	14,176	..	4,975	6,040	1,011
	2016	79,728	52,636	14,171	..	5,079	6,831	1,011
	2017	79,130	50,822	14,190	..	5,585	7,520	1,014

Table 30

Net installed capacity of electricity plants by type

Megawatts

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
1,848	1,818	1	29	34,141	27,942	2,363	..	3,836
2,138	2,027	1	110	35,189	27,934	2,369	..	4,886
2,078	1,888	1	189	36,027	27,895	2,385	..	5,747
2,773	2,483	1	289	40,077	31,929	2,390	..	5,758
2,104	1,908	6	190	17,020	6,205	5,709	..	5,106
2,049	1,843	6	200	17,575	6,205	6,162	..	5,208
2,043	1,781	6	256	18,570	6,209	6,954	..	5,407
2,084	1,769	6	309	18,849	6,205	7,220	..	5,424
135	135	..	..	*948	330	16	..	*602
143	143	..	..	*948	330	16	..	*602
113	113	..	..	*950	330	16	..	*604
124	120	..	4	*953	330	16	..	*607
3,443	2,342	90	1,011	20,441	8,981	6,523	1,411	3,526
3,333	2,338	111	884	20,497	8,895	6,619	1,411	3,572
3,164	2,151	90	923	20,416	8,887	6,644	1,411	3,474
3,022	2,159	81	782	20,550	8,908	6,610	1,411	3,621
25,360	24,873	487	..	233,660	157,592	50,358	25,304	406
24,852	24,375	477	..	232,223	154,773	50,521	26,304	625
26,169	25,719	450	..	240,357	161,892	50,566	27,189	710
25,403	24,818	585	..	247,045	165,768	52,579	27,952	746
77	77	..	..	7,249	4,226	3,017	..	6
77	77	..	..	7,281	4,250	3,022	..	9
129	129	..	..	7,281	4,223	3,030	..	28
120	120	..	..	7,296	4,223	3,038	..	35
1,145	657	30	458	6,947	2,411	2,493	1,940	103
1,124	635	27	462	6,658	2,119	2,495	1,940	104
1,099	604	31	464	6,643	2,106	2,493	1,940	104
1,075	633	30	412	6,595	2,012	2,493	1,940	150
384	50	116	218	3,070	1,192	1,180	688	10
395	47	116	232	2,965	1,086	1,179	688	12
388	46	116	226	3,148	1,272	1,177	688	11
402	46	116	240	3,217	1,286	1,231	688	12
*7,304	*7,000	*200	*104	106,334	49,786	19,223	7,399	29,926
*7,304	*7,000	*200	*104	106,753	49,350	20,053	7,399	29,951
*7,304	*7,000	*200	*104	105,948	48,454	20,080	7,399	30,015
*7,304	*7,000	*200	*104	103,840	46,510	20,079	7,117	30,134
*1,203	*1,194	9	..	38,718	8,076	15,987	9,507	5,148
*1,202	*1,194	8	..	39,683	7,751	16,321	9,688	5,923
1,206	1,194	12	..	40,305	7,495	16,454	9,768	6,588
1,285	1,267	18	..	38,513	6,175	16,484	8,999	6,855
2,352	730	561	1,061	16,813	263	13,182	3,308	60
2,661	756	511	1,394	16,957	260	13,304	3,333	60
3,103	744	695	1,664	17,736	217	14,111	3,333	75
3,328	689	733	1,906	18,286	257	14,621	3,333	75
2,933	2,925	4	4	52,910	32,410	5,847	13,835	818
2,759	2,751	5	3	53,145	32,584	5,878	13,835	848
3,469	3,462	5	2	53,866	33,013	6,167	13,835	851
2,265	2,227	7	31	50,499	29,265	6,206	13,835	1,193
14,842	6,515	253	8,074	81,780	57,085	4,221	9,937	10,537
17,452	6,355	320	10,777	78,788	51,961	4,201	9,487	13,139
19,912	6,630	375	12,907	77,623	48,730	4,204	9,497	15,192
20,587	6,807	411	13,369	82,886	50,057	4,208	9,361	19,260
11,127	5,690	102	5,336	69,764	50,170	14,076	..	5,518
11,792	5,725	102	5,965	69,105	48,971	14,074	..	6,060
12,154	5,569	102	6,483	67,574	47,067	14,069	..	6,437
12,506	5,354	99	7,054	66,624	45,468	14,091	..	7,065

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
American Samoa	2014	44	41	..	..	..	*3	..
	2015	*45	*42	..	..	..	3	..
	2016	*45	*42	..	..	..	*3	..
	2017	*45	*42	..	..	..	*3	..
Australia	2014	68,060	50,704	8,271	..	3,797	5,287	1
	2015	68,162	49,710	8,271	..	4,234	5,946	1
	2016	67,074	47,786	8,271	..	4,327	6,689	1
	2017	66,455	46,013	8,271	..	4,816	7,354	1
Cook Islands	2014	*10	*8	..	..	..	*2	..
	2015	*13	*11	..	..	..	*2	..
	2016	*13	*11	..	..	..	*2	..
	2017	*14	*11	..	..	..	*2	..
Fiji	2014	309	164	135	..	10	..	..
	2015	294	149	135	..	10	..	..
	2016	316	*165	130	..	21	..	..
	2017	*334	*175	138	..	*21	..	..
French Polynesia	2014	*230	*177	*48	..	..	*5	..
	2015	*230	*177	*48	..	..	*6	..
	2016	*258	*185	*48	..	..	25	..
	2017	*259	*185	*49	..	..	*25	..
Guam	2014	552	552	..	..	..	..	..
	2015	498	472	..	..	0	26	..
	2016	498	472	..	..	0	26	..
	2017	446	420	..	..	0	26	..
Kiribati	2014	*8	*6	..	..	..	*1	..
	2015	*9	*8	..	..	..	2	..
	2016	*11	*8	..	..	..	3	..
	2017	*11	*8	..	..	..	*3	..
Marshall Islands	2014	34	33	..	..	..	1	..
	2015	37	36	..	..	..	1	..
	2016	*38	*36	..	..	..	2	..
	2017	*39	*37	..	..	..	2	..
Micronesia (Fed. States of)	2014	34	32	2	..	..	1	..
	2015	*34	*32	2	..	..	1	..
	2016	*34	*32	2	..	..	1	..
	2017	*34	*32	*2	..	..	1	..
Nauru	2014	*6	*6	..	..	..	0	..
	2015	*6	*6	..	..	..	0	..
	2016	*7	*6	..	..	..	1	..
	2017	*8	*7	..	..	..	1	..
New Caledonia	2014	683	565	78	..	37	4	..
	2015	998	875	78	..	38	7	..
	2016	1,001	875	78	..	38	10	..
	2017	*1,020	*875	78	..	54	13	..
New Zealand	2014	9,787	2,763	5,381	..	682	21	940
	2015	9,447	2,384	5,381	..	689	36	957
	2016	9,289	2,210	5,381	..	689	52	957
	2017	9,305	2,209	5,381	..	689	69	957
Niue	2014	2	2	..	..	..	0	..
	2015	*2	*2	..	..	..	0	..
	2016	*2	*2	..	..	..	0	..
	2017	*2	*2	..	..	..	0	..
Northern Mariana Islands	2014	95	95	..	..	..	..	..
	2015	*95	*95	..	..	..	..	..
	2016	95	95	..	..	..	..	..
	2017	*95	*95	..	..	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	44	41	..	..	*3
..	..	..	..	*45	*42	..	..	3
..	..	..	..	*45	*42	..	..	*3
..	..	..	..	*45	*42	..	..	*3
10,132	4,898	..	5,234	57,928	45,806	8,271	..	3,851
10,800	4,948	..	5,852	57,362	44,762	8,271	..	4,329
11,145	4,792	..	6,353	55,929	42,994	8,271	..	4,664
11,479	4,577	..	6,902	54,976	41,436	8,271	..	5,269
..	..	..	..	*10	*8	..	..	*2
..	..	..	..	*13	*11	..	..	*2
..	..	..	..	*13	*11	..	..	*2
..	..	..	..	*14	*11	..	..	*2
*50	*50	..	..	259	114	135	..	10
*35	*35	..	..	259	114	135	..	10
*35	*35	..	..	281	*130	130	..	21
*35	*35	..	..	*299	*140	138	..	*21
..	..	..	..	*230	*177	*48	..	*5
..	..	..	..	*230	*177	*48	..	*6
..	..	..	..	*258	*185	*48	..	25
..	..	..	..	*259	*185	*49	..	*25
..	..	..	..	552	552	..	..	..
..	..	..	..	498	472	..	..	26
..	..	..	..	498	472	..	..	26
..	..	..	..	446	420	..	..	26
*1	*1	..	..	*7	*5	..	..	*1
*1	*1	..	..	*8	*7	..	..	2
*1	*1	..	..	*10	*7	..	..	3
*1	*1	..	..	*10	*7	..	..	*3
..	..	..	..	34	33	..	..	1
..	..	..	..	37	36	..	..	1
..	..	..	..	*38	*36	..	..	2
..	..	..	..	*39	*37	..	..	2
..	..	..	..	34	32	2	..	1
..	..	..	..	*34	*32	2	..	1
..	..	..	..	*34	*32	2	..	1
..	..	..	..	*34	*32	*2	..	1
..	..	..	..	*6	*6	..	..	0
..	..	..	..	*6	*6	..	..	0
..	..	..	..	*7	*6	..	..	1
..	..	..	..	*8	*7	..	..	1
*61	*60	..	*1	622	505	78	..	40
*60	*60	..	0	937	815	78	..	44
*61	*60	..	1	940	815	78	..	46
*63	*60	..	3	*957	*815	78	..	64
269	221	3	45	9,518	2,542	5,378	..	1,598
284	221	3	60	9,163	2,163	5,378	..	1,622
300	221	3	76	8,989	1,989	5,378	..	1,622
317	221	3	93	8,988	1,988	5,378	..	1,622
..	..	..	..	2	2	..	..	0
..	..	..	..	*2	*2	..	..	0
..	..	..	..	*2	*2	..	..	0
..	..	..	..	*2	*2	..	..	0
..	..	..	..	95	95	..	..	..
..	..	..	..	*95	*95	..	..	..
..	..	..	..	95	95	..	..	..
..	..	..	..	*95	*95	..	..	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Palau	2014	30	30	..	..	..	..	..
	2015	31	30	..	..	..	1	..
	2016	40	39	..	..	..	*1	..
	2017	*40	*39	..	..	..	*1	..
Papua New Guinea	2014	*872	*566	250	..	..	..	*56
	2015	*855	*553	*249	..	..	..	53
	2016	*858	*556	*249	..	..	..	53
	2017	*870	*556	*258	..	..	..	*56
Samoa	2014	38	26	12	..	..	*1	..
	2015	*43	*25	11	..	1	6	..
	2016	*45	*26	*11	..	*1	*8	..
	2017	*47	*26	*12	..	*1	*8	..
Solomon Islands	2014	*37	*36	0	..	..	*1	..
	2015	*37	*36	0	..	..	*1	..
	2016	*37	*36	0	..	..	*1	..
	2017	*37	*36	0	..	..	1	..
Tonga	2014	*16	*14	..	..	0	*2	..
	2015	*17	*15	..	..	0	*2	..
	2016	20	17	..	..	0	2	..
	2017	24	18	..	..	0	6	..
Tuvalu	2014	3	3	..	..	..	..	..
	2015	*4	*3	..	..	..	1	..
	2016	*5	*2	..	..	..	*3	..
	2017	*5	*2	..	..	0	*3	..
Vanuatu	2014	31	27	1	..	3	0	..
	2015	*32	*27	1	..	3	0	..
	2016	*32	*27	1	..	3	1	..
	2017	*33	*27	*1	..	*3	1	..
Wallis and Futuna Is.	2014	*11	*11	0	..	..	0	..
	2015	9	9	0	..	..	0	..
	2016	*9	*9	0	..	..	0	..
	2017	*9	*9	0	..	..	0	..

Table 30

Net installed capacity of electricity plants by type

Megawatts

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*2	*2	..	..	28	28	..	..	..
*2	*2	..	..	29	28	..	..	1
*2	*2	..	..	38	37	..	..	*1
*2	*2	..	..	*38	*37	..	..	*1
*605	*450	*99	*56	267	116	151	..	..
*602	*450	*99	53	*253	*103	*150	..	..
*602	*450	*99	53	*256	*106	*150	..	..
*602	*450	*96	*56	*268	*106	*162	..	..
*3	*3	..	..	36	23	12	..	*1
*3	*3	..	..	*40	*23	11	..	7
*3	*3	..	..	*43	*23	*11	..	*9
*3	*3	..	..	*44	*23	*12	..	*9
*5	*5	..	..	*32	*31	0	..	*1
*5	*5	..	..	*32	*31	0	..	*1
*5	*5	..	..	*32	*31	0	..	*1
*5	*5	..	..	*32	*31	0	..	1
..	..	..	..	*16	*14	..	..	*2
..	..	..	..	*17	*15	..	..	*2
..	..	..	..	20	17	..	..	2
..	..	..	..	24	18	..	..	6
..	..	..	..	3	3	..	..	..
..	..	..	..	*4	*3	..	..	1
..	..	..	..	*5	*2	..	..	*3
..	..	..	..	*5	*2	..	..	*3
..	..	..	..	31	27	1	..	3
..	..	..	..	*32	*27	1	..	3
..	..	..	..	*32	*27	1	..	4
..	..	..	..	*33	*27	*1	..	*4
..	..	..	..	*11	*11	0	..	0
..	..	..	..	9	9	0	..	0
..	..	..	..	*9	*9	0	..	0
..	..	..	..	*9	*9	0	..	0

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Table Notes

Data on utilization are derived by dividing the data on electricity production shown in Table 32 by the net installed capacity shown in Table 30, and then by the total number of hours in a year to yield a percentage of theoretical maximal utilization.

For this table, **Other** under total producers refers to geothermal, tide, wave, marine and other non-specified sources. **Other** under autoproducers refers to nuclear (if any), wind, solar, tide, wave, marine and other non-specified sources. **Other** under main activity producers refers to wind, solar, tide, wave, marine and other non-specified sources.

For Austria data are given in gross maximum capacity.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 74: Utilization of installed electric generating capacity by source and region, 2017

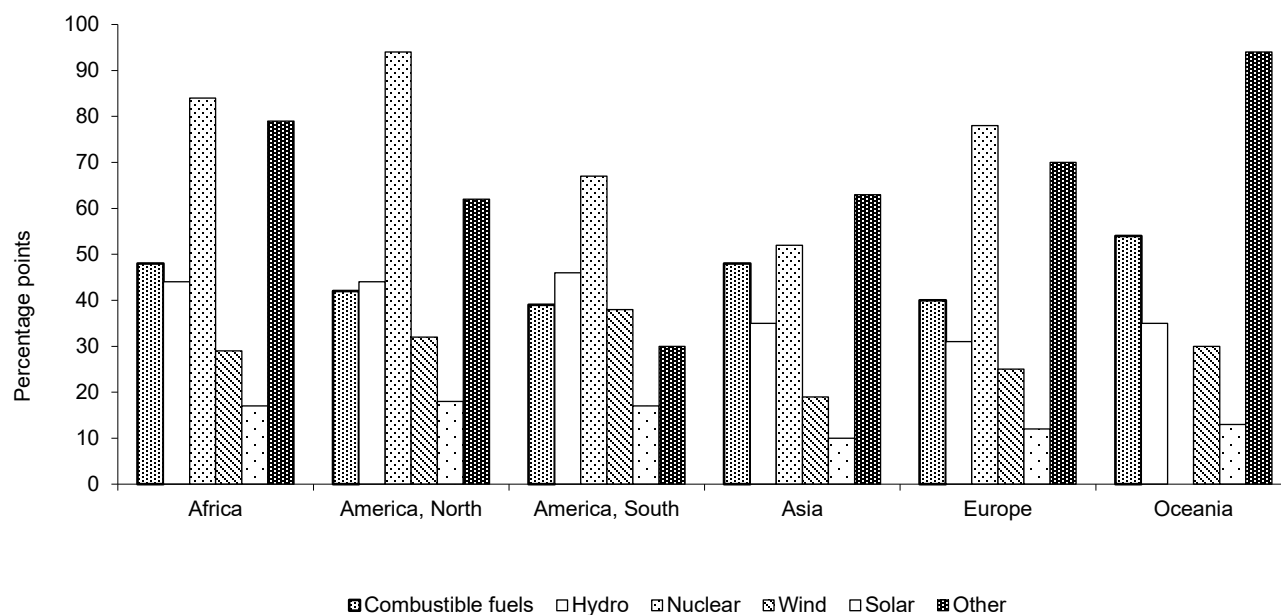


Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2014	44	46	39	76	23	12	65
	2015	44	46	37	75	23	13	65
	2016	43	45	38	74	23	12	62
	2017	42	45	37	75	24	12	58
Africa	2014	53	53	53	84	25	15	56
	2015	52	53	50	75	21	18	79
	2016	50	52	45	92	25	16	75
	2017	47	48	44	84	29	17	79
Algeria	2014	45	46	13	..	..	..	..
	2015	46	46	7	..	22	17	..
	2016	43	43	7	..	22	1	..
	2017	45	46	26	..	78	2	..
Angola	2014	52	66	44	..	..	..	..
	2015	44	48	41	..	..	..	..
	2016	41	40	42	..	..	..	..
	2017	28	17	37	..	..	..	..
Benin	2014	11	11	..	..	..	..	..
	2015	10	12	0	..	..	11	..
	2016	8	10	1	..	..	11	..
	2017	10	12	0	..	..	7	..
Botswana	2014	43	43	..	..	..	11	..
	2015	55	55	..	..	..	11	..
	2016	49	49	..	..	..	18	..
	2017	46	46	..	..	..	18	..
Burkina Faso	2014	35	35	32	..	..	..	..
	2015	35	35	33	..	..	..	..
	2016	34	32	50	..	..	..	..
	2017	38	37	46	..	..	27	..
Burundi	2014	50	50	50	..	..	..	..
	2015	47	44	47	..	..	..	..
	2016	47	51	47	..	..	..	..
	2017	34	68	24	..	..	..	..
Cabo Verde	2014	30	32	..	..	29	8	..
	2015	30	30	..	..	35	9	..
	2016	30	30	..	..	34	9	..
	2017	28	28	..	..	32	10	..
Cameroon	2014	46	29	71	..	..	..	..
	2015	49	37	68	..	..	..	..
	2016	48	37	65	..	..	..	..
	2017	47	38	62	..	..	..	..
Central African Rep.	2014	38	1	63	..	..	..	..
	2015	39	1	64	..	..	..	..
	2016	39	1	65	..	..	..	..
	2017	40	1	66	..	..	..	..
Chad	2014	30	30	..	..	..	..	..
	2015	30	30	..	..	..	..	..
	2016	31	31	..	..	..	..	..
	2017	31	31	..	..	..	..	..
Comoros	2014	24	24	..	..	..	..	..
	2015	23	23	..	..	..	..	..
	2016	26	26	..	..	..	..	..
	2017	40	40	..	..	..	..	..
Congo	2014	33	24	49	..	..	29	..
	2015	54	47	60	..	..	66	..
	2016	57	52	62	..	..	66	..
	2017	66	65	66	..	..	66	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
40	44	35	18	45	46	39	76	22
39	43	33	17	44	46	38	75	21
39	45	30	17	43	45	38	74	21
42	50	27	17	42	45	38	75	21
29	30	18	14	56	56	54	84	34
29	32	12	14	55	56	51	75	39
29	34	9	16	52	54	46	92	38
31	35	14	19	48	49	45	84	38
10	10	..	..	58	59	13	..	..
11	11	..	..	57	58	7	..	18
13	13	..	..	51	53	7	..	2
14	14	..	..	53	55	26	..	4
48	48	..	..	53	69	44	..	..
35	35	..	..	45	50	41	..	..
31	31	..	..	42	42	42	..	..
20	20	..	..	28	17	37	..	..
28	28	..	..	7	7	..	..	..
28	28	..	..	7	9	0	..	11
24	24	..	..	6	7	1	..	11
25	25	..	..	8	10	0	..	7
..	..	..	..	44	44	..	..	11
..	..	..	..	56	56	..	..	11
..	..	..	..	51	51	..	..	18
..	..	..	..	47	47	..	..	18
..	..	..	..	35	35	32	..	..
..	..	..	..	35	35	33	..	..
..	..	..	..	34	32	50	..	..
..	..	..	..	38	37	46	..	27
..	..	..	..	48	43	50	..	..
..	..	..	..	45	36	47	..	..
..	..	..	..	45	39	47	..	..
..	..	..	..	32	60	24	..	..
15	15	..	..	30	32	..	..	24
15	15	..	..	30	30	..	..	29
14	14	..	..	30	30	..	..	29
17	17	..	..	28	28	..	..	27
49	49	..	..	46	9	71	..	..
61	61	..	..	43	8	68	..	..
64	64	..	..	41	8	65	..	..
68	68	..	..	38	7	62	..	..
..	..	..	..	38	1	63	..	..
..	..	..	..	39	1	64	..	..
..	..	..	..	39	1	65	..	..
..	..	..	..	40	1	66	..	..
..	..	..	..	30	30	..	..	..
..	..	..	..	30	30	..	..	..
..	..	..	..	31	31	..	..	..
..	..	..	..	31	31	..	..	..
..	..	..	..	24	24	..	..	..
..	..	..	..	23	23	..	..	..
..	..	..	..	26	26	..	..	..
..	..	..	..	40	40	..	..	..
26	26	..	..	41	..	49	..	29
53	53	..	..	55	..	60	..	66
58	58	..	..	56	..	62	..	66
73	73	..	..	58	..	66	..	66

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2014	57	59	51	..	..	..	..
	2015	52	64	26	..	..	..	..
	2016	61	76	29	..	..	..	..
	2017	53	70	27	..	..	..	..
Dem. Rep. of the Congo	2014	40	3	42	..	..	..	..
	2015	40	4	42	..	..	..	..
	2016	39	3	41	..	..	..	..
	2017	40	2	42	..	..	..	..
Djibouti	2014	9	9	..	..	..	..	..
	2015	16	16	..	..	..	..	..
	2016	8	8	..	..	..	..	..
	2017	5	5	..	..	..	..	..
Egypt	2014	63	64	56	..	30	20	..
	2015	60	61	55	..	28	21	..
	2016	58	59	55	..	31	14	..
	2017	49	49	52	..	34	47	..
Equatorial Guinea	2014	27	33	18	..	..	..	..
	2015	28	33	18	..	..	..	..
	2016	28	33	18	..	..	..	..
	2017	18	33	7	..	..	..	..
Eritrea	2014	31	31	..	..	23	23	..
	2015	28	28	..	..	23	23	..
	2016	29	29	..	..	23	23	..
	2017	23	23	..	..	23	23	..
Eswatini	2014	34	26	47	..	..	..	..
	2015	30	26	36	..	..	..	..
	2016	24	26	19	..	..	..	..
	2017	25	29	18	..	..	1	..
Ethiopia	2014	47	3	53	..	33	..	31
	2015	49	4	57	..	27	22	..
	2016	34	5	35	..	28	25	..
	2017	37	5	39	..	30	27	..
Gabon	2014	45	41	53	..	..	23	..
	2015	48	41	62	..	..	23	..
	2016	51	45	64	..	..	23	..
	2017	49	44	60	..	..	23	..
Gambia	2014	28	28	..	..	..	..	..
	2015	29	29	..	..	..	..	..
	2016	30	31	..	..	..	..	..
	2017	28	28	..	..	..	..	..
Ghana	2014	49	37	61	..	..	18	..
	2015	34	29	42	..	..	2	..
	2016	38	36	40	..	..	14	..
	2017	35	33	41	..	..	14	..
Guinea	2014	29	21	39	..	..	..	..
	2015	21	37	12	..	..	..	..
	2016	31	61	12	..	..	..	..
	2017	31	55	13	..	..	..	..
Guinea-Bissau	2014	14	14	..	..	..	..	..
	2015	15	15	..	..	..	..	..
	2016	15	15	..	..	..	..	..
	2017	16	16	..	..	..	..	..
Kenya	2014	50	41	51	..	37	..	60
	2015	48	20	50	..	26	..	83
	2016	51	21	57	..	25	..	79
	2017	51	38	38	..	27	..	83

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
36	36	..	..	57	60	51	..	..
52	52	..	..	52	65	26	..	..
86	86	..	..	61	76	29	..	..
86	86	..	..	52	70	27	..	..
1	19	0	..	48	1	50	..	..
1	14	0	..	49	1	51	..	..
0	11	0	..	49	1	52	..	..
4	11	3	..	50	1	53	..	..
..	..	..	..	9	9	..	..	..
..	..	..	..	16	16	..	..	..
..	..	..	..	8	8	..	..	..
..	..	..	..	5	5	..	..	..
91	91	..	..	62	64	56	..	28
91	91	..	..	59	60	55	..	27
93	93	..	..	57	58	55	..	29
93	93	..	..	48	48	52	..	36
..	..	..	..	27	33	18	..	..
..	..	..	..	28	33	18	..	..
..	..	..	..	28	33	18	..	..
..	..	..	..	18	33	7	..	..
21	21	..	..	32	32	..	..	23
13	13	..	..	29	29	..	..	23
13	13	..	..	30	30	..	..	23
14	14	..	..	24	24	..	..	23
28	29	..	..	44	0	50	..	..
28	29	..	..	34	0	38	..	..
28	29	..	..	18	0	20	..	..
31	32	..	..	17	..	19	..	1
..	..	..	..	47	3	53	..	33
..	..	..	..	49	4	57	..	26
..	..	..	..	34	5	35	..	27
..	..	..	..	37	5	39	..	29
35	35	..	23	46	42	53	..	..
35	36	..	23	49	42	62	..	..
36	36	..	23	53	47	64	..	..
36	36	..	23	51	46	60	..	..
10	10	..	..	35	36	..	..	..
10	10	..	..	37	37	..	..	..
10	10	..	..	38	39	..	..	..
10	10	..	..	34	35	..	..	..
10	10	..	..	52	42	61	..	18
10	10	..	..	36	31	42	..	2
10	10	..	..	39	39	40	..	14
10	10	..	..	37	34	41	..	14
35	35	..	..	28	14	39	..	..
77	77	..	..	10	6	12	..	..
89	89	..	..	11	5	12	..	..
79	79	..	..	12	9	13	..	..
47	47	..	..	12	12	..	..	..
47	47	..	..	12	12	..	..	..
47	47	..	..	13	13	..	..	..
48	48	..	..	13	13	..	..	..
..	..	..	..	50	41	51	..	59
..	..	..	..	48	20	50	..	81
..	..	..	..	51	21	57	..	77
..	..	..	..	51	38	38	..	81

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Lesotho	2014	73	..	74	..	..	..	..
	2015	76	..	76	..	..	..	..
	2016	72	9	72	..	..	..	..
	2017	76	14	77	..	..	..	..
Liberia	2014	38	37	50	..	..	..	..
	2015	39	38	50	..	..	..	..
	2016	47	47	50	..	..	..	..
	2017	46	45	51	..	..	..	..
Libya	2014	46	46	..	..	..	18	..
	2015	46	46	..	..	..	18	..
	2016	41	41	..	..	..	18	..
	2017	41	41	..	..	..	18	..
Madagascar	2014	35	23	62	..	..	7	..
	2015	36	23	65	..	..	11	..
	2016	41	31	64	..	..	1	..
	2017	34	27	54	..	..	1	..
Malawi	2014	43	10	63	..	..	..	..
	2015	43	10	63	..	..	..	..
	2016	43	10	63	..	..	..	..
	2017	40	10	58	..	..	..	..
Mali	2014	21	18	23	..	..	..	..
	2015	23	22	24	..	..	17	..
	2016	24	25	24	..	..	22	..
	2017	23	24	23	..	..	11	..
Mauritania	2014	40	42	..	..	37	19	..
	2015	26	25	..	..	35	19	..
	2016	25	25	..	..	37	7	..
	2017	20	19	..	..	33	19	..
Mauritius	2014	43	46	17	..	29	16	..
	2015	43	46	23	..	24	16	..
	2016	41	44	19	..	31	13	..
	2017	42	46	17	..	16	15	..
Morocco	2014	42	51	13	..	28	..	..
	2015	44	53	15	..	36	0	..
	2016	44	54	11	..	38	28	..
	2017	43	53	10	..	34	23	..
Mozambique	2014	75	44	80	..	..	10	..
	2015	89	71	93	..	..	10	..
	2016	86	86	86	..	..	14	..
	2017	71	81	69	..	..	18	..
Namibia	2014	35	1	51	..	..	..	..
	2015	35	3	51	..	..	..	..
	2016	33	5	44	..	..	..	..
	2017	38	5	52	..	..	..	..
Niger	2014	26	26	..	..	..	19	..
	2015	22	22	..	..	..	19	..
	2016	18	17	..	..	..	19	..
	2017	22	22	..	..	..	19	..
Nigeria	2014	35	36	31	..	..	25	..
	2015	35	36	33	..	..	25	..
	2016	29	29	32	..	..	25	..
	2017	29	30	27	..	..	25	..
Rwanda	2014	39	60	29	..	..	7	..
	2015	35	32	40	..	..	18	..
	2016	38	40	38	..	..	19	..
	2017	37	39	37	..	..	15	..

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	73	..	74	..	..
..	..	..	..	76	..	76	..	..
..	..	..	..	72	9	72	..	..
..	..	..	..	76	14	77	..	..
33	33	..	..	50	51	50	..	..
33	33	..	..	52	53	50	..	..
43	43	..	..	54	55	50	..	..
46	46	..	..	46	45	51	..	..
..	..	..	..	46	46	..	..	18
..	..	..	..	46	46	..	..	18
..	..	..	..	41	41	..	..	18
..	..	..	..	41	41	..	..	18
61	61	..	..	33	20	62	..	1
61	61	..	..	34	20	65	..	1
61	61	..	..	39	27	64	..	1
51	51	..	..	32	24	54	..	1
10	10	13	..	64	30	64	..	..
10	10	11	..	63	63	63	..	..
10	10	11	..	64	63	64	..	..
10	10	11	..	59	63	59	..	..
5	5	..	..	23	23	23	..	..
6	6	..	..	25	27	24	..	17
6	6	..	..	27	32	24	..	22
6	6	..	..	26	31	23	..	11
47	47	..	..	37	40	..	..	22
49	49	..	..	21	19	..	..	29
51	51	..	..	19	19	..	..	22
38	38	..	..	16	14	..	..	25
69	72	..	16	27	29	17	..	29
65	69	..	16	29	30	23	..	24
61	65	..	13	28	29	19	..	31
65	70	..	15	28	30	17	..	16
..	..	..	..	40	50	13	..	28
..	..	..	..	42	53	15	..	30
..	..	..	..	43	54	11	..	37
..	..	..	..	41	53	10	..	32
62	..	63	10	76	44	81	..	..
40	25	60	10	90	74	93	..	..
28	25	61	14	86	90	86	..	..
32	16	38	18	73	86	71	..	..
..	..	..	..	35	1	51	..	..
..	..	..	..	35	3	51	..	..
..	..	..	..	33	5	44	..	..
..	..	..	..	38	5	52	..	..
10	9	..	19	32	32	..	..	..
5	3	..	19	26	26	..	..	..
5	3	..	19	21	21	..	..	..
5	2	..	19	27	27	..	..	..
23	22	31	25	41	44	31	..	..
22	22	33	25	41	44	33	..	..
20	20	33	25	33	33	32	..	..
21	21	32	25	32	34	26	..	..
..	..	..	..	39	59	29	..	7
..	..	..	..	35	32	40	..	18
..	..	..	..	38	40	38	..	19
..	..	..	..	37	39	37	..	15

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sao Tome and Principe	2014	39	39	44	..	..	..	..
	2015	36	36	38	..	..	..	..
	2016	36	36	38	..	..	..	..
	2017	36	37	32	..	..	..	..
Senegal	2014	47	49	..	..	..	2	..
	2015	49	52	..	..	..	2	..
	2016	52	55	..	..	..	3	..
	2017	50	56	..	..	..	10	..
Seychelles	2014	45	47	..	..	13	14	..
	2015	45	47	..	..	13	34	..
	2016	41	43	..	..	13	13	..
	2017	38	39	..	..	11	11	..
Sierra Leone	2014	27	27	27	..	..	..	..
	2015	22	11	38	..	..	..	..
	2016	25	12	42	..	..	..	..
	2017	25	12	42	..	..	..	..
Somalia	2014	50	50	..	..	..	..	..
	2015	50	50	..	..	..	..	..
	2016	50	50	..	..	..	..	..
	2017	50	50	..	..	..	..	..
South Africa	2014	61	61	64	84	16	12	..
	2015	60	64	57	75	12	17	..
	2016	60	64	62	92	18	15	..
	2017	55	57	80	84	25	15	..
South Sudan	2014	69	70	..	..	..	20	..
	2015	79	82	..	..	..	16	..
	2016	82	86	..	..	..	16	..
	2017	47	51	..	..	..	4	..
St. Helena and Depend.	2014	13	13	..	..	11	9	..
	2015	11	12	..	..	12	2	..
	2016	11	11	..	..	11	12	..
	2017	12	13	..	..	8	11	..
Sudan	2014	39	17	64	..	..	..	..
	2015	45	32	60	..	..	..	..
	2016	47	38	58	..	..	..	..
	2017	47	36	61	..	..	..	..
Togo	2014	18	17	21	..	..	..	..
	2015	22	27	10	..	..	..	..
	2016	51	54	43	..	..	..	..
	2017	35	35	35	..	..	..	..
Tunisia	2014	43	44	10	..	25	19	..
	2015	41	42	13	..	21	19	..
	2016	41	42	8	..	23	19	..
	2017	41	42	3	..	21	31	..
Uganda	2014	46	18	53	..	..	..	..
	2015	44	14	53	..	..	..	..
	2016	45	14	54	..	..	5	..
	2017	47	21	56	..	..	14	..
United Rep. of Tanzania	2014	64	75	53	..	..	24	..
	2015	54	62	42	..	..	24	..
	2016	65	78	48	..	..	18	..
	2017	64	77	48	..	..	10	..
Zambia	2014	67	24	71	..	..	..	..
	2015	64	33	66	..	..	..	..
	2016	47	17	53	..	..	..	..
	2017	56	46	58	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	39	39	44	..	..
..	..	..	..	36	36	38	..	..
..	..	..	..	36	36	38	..	..
..	..	..	..	36	37	32	..	..
20	22	..	1	68	68	..	..	..
22	24	..	1	70	70	..	..	..
26	28	..	1	72	72	..	..	..
24	30	..	7	72	72	..	..	..
35	35	..	..	48	50	..	..	13
35	35	..	..	49	51	..	..	15
35	35	..	..	43	46	..	..	13
35	35	..	..	38	41	..	..	11
..	..	..	..	27	27	27	..	..
..	..	..	..	22	10	38	..	..
..	..	..	..	25	12	42	..	..
..	..	..	..	25	12	42	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	50	50	..	..	..
38	63	35	14	62	61	66	84	..
31	60	32	14	65	65	59	75	30
31	60	35	16	65	64	63	92	45
34	63	30	19	58	57	85	84	62
71	72	..	11	67	67	..	..	71
92	94	..	11	65	70	..	..	27
97	99	..	11	68	73	..	..	25
11	11	..	23	64	72	..	..	2
..	..	..	..	13	13	..	..	11
..	..	..	..	11	12	..	..	10
..	..	..	..	11	11	..	..	11
..	..	..	..	12	13	..	..	9
7	7	..	..	41	18	64	..	..
6	7	..	..	48	35	60	..	..
6	7	..	..	49	42	58	..	..
7	7	..	..	50	39	61	..	..
16	16	..	..	18	17	21	..	..
17	17	..	..	23	28	10	..	..
19	19	..	..	52	55	43	..	..
19	19	..	..	36	36	35	..	..
41	32	..	19	43	45	10	..	25
50	42	..	19	41	42	13	..	21
57	51	..	19	40	42	8	..	23
55	47	..	31	40	42	3	..	21
54	45	62	..	44	8	52	..	..
40	30	49	..	45	6	53	..	..
41	31	51	..	45	6	54	..	5
31	22	40	..	50	20	57	..	15
6	..	..	24	65	78	53	..	..
6	..	..	24	55	64	42	..	..
7	..	..	18	66	80	48	..	..
4	..	..	10	67	80	48	..	..
..	..	..	..	67	24	71	..	..
..	..	..	..	64	33	66	..	..
..	..	..	..	47	17	53	..	..
..	..	..	..	56	46	58	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Zimbabwe	2014	56	41	81	..	..	..	..
	2015	55	42	74	..	..	..	..
	2016	40	38	44	..	..	..	..
	2017	43	32	60	..	..	..	..
America, North	2014	47	44	42	95	32	16	59
	2015	47	44	40	94	30	17	73
	2016	46	44	41	94	32	16	73
	2017	45	42	44	94	32	18	62
Anguilla	2014	31	31	..	..	..	..	..
	2015	32	33	..	..	..	2	..
	2016	35	36	..	..	..	5	..
	2017	38	38	..	..	..	..	..
Antigua and Barbuda	2014	33	35	..	..	..	5	..
	2015	34	35	..	..	..	13	..
	2016	34	35	..	..	..	17	..
	2017	34	35	..	..	..	17	..
Aruba	2014	36	34	..	..	53	..	..
	2015	37	35	..	..	53	..	..
	2016	38	36	..	..	53	..	..
	2017	39	37	..	..	53	..	..
Bahamas	2014	38	38	..	..	..	..	..
	2015	40	40	..	..	..	..	..
	2016	39	39	..	..	..	..	..
	2017	39	39	..	..	..	..	..
Barbados	2014	46	47	..	..	..	16	..
	2015	46	47	..	..	..	18	..
	2016	46	48	..	..	..	18	..
	2017	43	45	..	..	..	18	..
Belize	2014	34	23	54	..	..	..	..
	2015	35	26	49	..	..	..	..
	2016	38	28	58	..	..	..	..
	2017	39	29	60	..	..	..	..
Bermuda	2014	44	44	..	..	..	..	..
	2015	45	45	..	..	..	..	..
	2016	44	44	..	..	..	..	..
	2017	45	45	..	..	..	..	..
Bonaire, St Eustatius, Saba	2014	51	56	..	..	44	..	..
	2015	54	61	..	..	42	..	..
	2016	47	54	..	..	39	27	..
	2017	49	58	..	..	36	27	..
British Virgin Islands	2014	50	51	..	..	24	11	..
	2015	53	54	..	..	24	11	..
	2016	54	55	..	..	24	11	..
	2017	54	55	..	..	23	9	..
Canada	2014	55	45	58	87	27	13	31
	2015	51	43	55	83	27	13	25
	2016	53	47	55	82	29	14	25
	2017	51	40	55	82	26	14	28
Cayman Islands	2014	54	54	..	..	..	..	..
	2015	55	55	..	..	..	..	..
	2016	47	47	..	..	..	..	..
	2017	48	48	..	..	..	..	..
Costa Rica	2014	36	22	37	..	23	28	71
	2015	34	5	43	..	22	29	64
	2016	32	7	39	..	19	2	74
	2017	36	4	43	..	39	12	62

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
7	7	..	..	57	42	81	..	..
14	14	..	..	56	43	74	..	..
70	70	..	..	39	36	44	..	..
42	42	..	..	43	32	60	..	..
51	58	65	18	47	43	41	95	32
52	59	71	19	46	44	39	94	30
47	56	67	18	46	43	41	94	31
45	56	65	17	45	41	43	94	32
..	..	..	..	31	31	..	..	..
..	..	..	..	32	33	..	..	2
..	..	..	..	35	36	..	..	5
..	..	..	..	38	38	..	..	..
11	11	..	..	33	35	..	..	5
11	11	..	..	34	35	..	..	13
11	11	..	..	35	36	..	..	17
11	11	..	..	34	35	..	..	17
..	..	..	..	36	34	..	..	53
..	..	..	..	37	35	..	..	53
..	..	..	..	38	36	..	..	53
..	..	..	..	39	37	..	..	53
22	22	..	..	39	39	..	..	..
22	22	..	..	41	41	..	..	..
22	22	..	..	40	40	..	..	..
22	22	..	..	41	41	..	..	..
16	16	..	..	47	48	..	..	16
20	20	..	..	47	48	..	..	18
20	20	..	..	47	49	..	..	18
20	20	..	..	44	46	..	..	18
58	58	..	..	27	5	54	..	..
67	67	..	..	25	5	49	..	..
67	67	..	..	30	6	58	..	..
66	66	..	..	29	5	60	..	..
36	36	..	..	44	44	..	..	..
36	36	..	..	45	45	..	..	..
36	36	..	..	45	45	..	..	..
33	33	..	..	45	45	..	..	..
..	..	..	..	51	56	..	..	44
..	..	..	..	54	61	..	..	42
..	..	..	..	47	54	..	..	37
..	..	..	..	49	58	..	..	35
..	..	..	..	50	51	..	..	16
..	..	..	..	53	54	..	..	16
..	..	..	..	54	55	..	..	17
..	..	..	..	54	55	..	..	15
73	82	67	27	53	41	57	87	25
84	98	73	27	49	36	54	83	24
71	86	70	19	51	41	54	82	27
58	59	67	18	50	37	55	82	25
..	..	..	..	54	54	..	..	..
..	..	..	..	55	55	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	48	48	..	..	..
63	82	73	49	32	20	33	..	40
61	82	98	35	29	2	37	..	34
54	78	88	33	28	4	35	..	31
36	47	0	13	36	1	43	..	47

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Cuba	2014	36	36	19	..	19	19	..
	2015	37	37	9	..	17	17	..
	2016	36	37	11	..	15	15	..
	2017	36	37	14	..	11	11	..
Curaçao	2014	37	32	..	..	76	21	..
	2015	32	27	..	..	76	22	..
	2016	33	29	..	..	76	22	..
	2017	49	42	..	..	77	34	..
Dominica	2014	38	38	36	..	..	..	..
	2015	38	41	28	..	..	..	..
	2016	40	39	42	..	..	..	..
	2017	33	34	31	..	..	..	..
Dominican Republic	2014	36	38	24	..	32	16	..
	2015	39	42	17	..	39	16	..
	2016	41	44	28	..	27	13	..
	2017	42	44	41	..	33	15	..
El Salvador	2014	45	38	40	..	..	..	87
	2015	41	37	32	..	..	7	86
	2016	40	35	30	..	..	23	88
	2017	32	24	32	..	..	15	88
Greenland	2014	30	11	50	..	..	..	..
	2015	32	12	53	..	..	..	..
	2016	30	11	50	..	..	..	..
	2017	32	15	49	..	..	..	..
Grenada	2014	47	48	..	..	..	3	..
	2015	49	49	..	..	..	3	..
	2016	51	52	..	..	..	3	..
	2017	51	52	..	..	..	3	..
Guatemala	2014	46	39	57	..	..	16	83
	2015	41	41	43	..	16	20	86
	2016	39	42	35	..	32	26	98
	2017	42	36	50	..	33	25	86
Haiti	2014	37	42	17	..	..	..	..
	2015	36	40	16	..	..	..	..
	2016	37	42	13	..	..	..	..
	2017	35	38	24	..	..	18	..
Honduras	2014	51	55	48	..	30	..	..
	2015	45	59	42	..	50	12	..
	2016	41	48	40	..	37	25	..
	2017	42	45	53	..	29	23	30
Jamaica	2014	50	51	67	..	32	..	..
	2015	50	52	50	..	22	..	..
	2016	48	52	46	..	23	6	..
	2017	48	51	61	..	33	13	..
Mexico	2014	52	56	36	79	29	22	84
	2015	53	58	29	88	31	16	80
	2016	50	56	28	75	29	15	76
	2017	49	55	29	77	29	19	69
Montserrat	2014	44	44	..	..	..	..	..
	2015	50	50	..	..	..	..	..
	2016	42	42	..	..	..	..	..
	2017	40	40	..	..	..	..	..
Nicaragua	2014	38	34	38	..	52	8	49
	2015	39	36	24	..	53	17	50
	2016	38	34	34	..	45	17	52
	2017	35	31	38	..	39	11	55

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
19	19	..	..	37	37	19	..	19
19	19	..	..	38	39	9	..	17
22	22	..	..	37	38	11	..	15
21	21	..	..	38	38	14	..	11
40	40	..	..	34	22	..	..	66
36	36	..	..	28	17	..	..	64
37	37	..	..	29	18	..	..	58
64	64	..	..	39	13	..	..	69
28	34	..	..	44	41	53	..	..
28	34	..	..	46	47	42	..	..
28	34	..	..	48	43	63	..	..
28	34	..	..	37	33	47	..	..
15	15	50	15	45	49	23	..	32
15	15	49	15	49	56	17	..	39
16	16	50	15	50	56	28	..	24
17	17	50	14	51	54	41	..	30
57	57	..	..	44	34	40	..	87
39	41	..	7	42	36	32	..	86
33	34	..	23	41	36	30	..	88
31	35	..	15	33	20	32	..	69
..	..	..	..	33	13	50	..	..
..	..	..	..	35	14	53	..	..
..	..	..	..	33	13	50	..	..
..	..	..	..	35	19	49	..	..
47	47	..	..	47	48	..	..	3
48	48	..	..	49	49	..	..	3
52	52	..	..	51	52	..	..	3
51	51	..	..	51	52	..	..	3
21	20	73	..	52	47	57	..	74
14	14	73	..	48	56	42	..	30
15	15	52	..	45	57	35	..	41
13	13	56	..	49	49	50	..	38
11	11	..	..	47	59	17	..	..
25	25	..	..	40	49	16	..	..
25	25	..	..	42	51	13	..	..
25	25	..	..	39	45	24	..	18
22	22	..	..	53	60	48	..	30
32	32	..	..	47	64	42	..	23
21	21	..	..	43	54	40	..	28
18	18	..	..	44	51	53	..	26
63	67	..	35	44	43	67	..	..
59	68	..	23	45	45	50	..	..
55	68	..	23	44	46	46	..	..
55	65	..	32	44	45	61	..	..
42	45	44	25	54	59	35	79	65
43	48	45	27	55	61	29	88	63
37	40	44	26	54	62	28	75	59
43	47	46	28	51	57	29	77	48
..	..	..	..	44	44	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	42	42	..	..	..
..	..	..	..	40	40	..	..	..
46	46	13	..	37	31	38	..	50
43	43	13	..	38	35	25	..	52
38	38	13	..	37	33	34	..	48
46	46	0	..	33	27	38	..	45

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Panama	2014	37	41	35	..	24	6	..
	2015	36	34	41	..	19	4	..
	2016	37	34	42	..	26	9	..
	2017	37	29	47	..	21	12	13
Puerto Rico	2014	40	41	9	..	20	8	..
	2015	40	41	6	..	22	12	..
	2016	38	40	8	..	18	11	..
	2017	30	31	6	..	18	11	..
Sint Maarten (Dutch part)	2014	42	42	..	..	..	..	..
	2015	43	43	..	..	..	..	..
	2016	44	44	..	..	..	..	..
	2017	45	45	..	..	..	..	..
St. Kitts-Nevis	2014	39	40	..	..	42	19	..
	2015	39	39	..	..	42	19	..
	2016	40	41	..	..	42	17	..
	2017	38	39	..	..	42	17	..
St. Lucia	2014	49	49	..	..	..	..	..
	2015	49	49	..	..	..	..	..
	2016	51	51	..	..	..	..	..
	2017	52	52	..	..	..	..	..
St. Pierre-Miquelon	2014	21	21	..	..	..	..	..
	2015	22	22	..	..	..	..	..
	2016	22	22	..	..	..	..	..
	2017	22	22	..	..	..	..	..
St. Vincent-Grenadines	2014	28	32	11	..	..	..	..
	2015	31	32	30	..	..	..	..
	2016	33	34	32	..	..	..	..
	2017	33	34	33	..	..	..	..
Trinidad and Tobago	2014	45	45	..	..	..	18	..
	2015	47	47	..	..	..	18	..
	2016	49	49	..	..	..	18	..
	2017	50	50	..	..	..	18	..
Turks and Caicos Islands	2014	33	33	..	..	..	..	..
	2015	33	33	..	..	..	..	..
	2016	35	35	..	..	..	..	..
	2017	33	33	..	..	..	23	..
United States	2014	46	43	31	96	33	17	58
	2015	46	44	30	96	30	17	73
	2016	45	43	32	96	32	17	73
	2017	44	41	36	96	34	19	61
United States Virgin Is.	2014	27	28	..	..	..	15	..
	2015	27	28	..	..	..	15	..
	2016	27	28	..	..	..	15	..
	2017	21	21	..	..	..	10	..
America, South	2014	49	45	52	80	27	23	0
	2015	47	45	49	67	31	24	0
	2016	44	40	47	73	36	25	23
	2017	43	39	46	67	38	17	30
Argentina	2014	44	42	47	65	36	23	..
	2015	44	43	47	46	32	19	..
	2016	45	45	43	54	29	18	..
	2017	42	42	42	40	31	23	..
Bolivia (Plur. State of)	2014	44	42	52	..	30	34	..
	2015	43	40	57	..	46	25	..
	2016	44	45	40	..	15	25	..
	2017	44	45	41	..	25	11	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
1	2	..	..	41	50	37	..	23
2	2	..	..	39	40	43	..	17
2	2	..	..	39	39	44	..	22
2	2	..	..	39	34	48	..	18
47	47	..	..	40	41	9	..	15
47	47	..	..	39	41	6	..	18
47	47	..	..	38	40	8	..	14
39	39	..	..	30	31	6	..	14
..	..	..	..	42	42	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	44	44	..	..	..
..	..	..	..	45	45	..	..	..
3	3	..	..	42	43	..	..	33
3	3	..	..	41	42	..	..	33
3	3	..	..	43	44	..	..	30
3	3	..	..	41	41	..	..	30
..	..	..	..	49	49	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	51	51	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	21	21	..	..	..
..	..	..	..	22	22	..	..	..
..	..	..	..	22	22	..	..	..
..	..	..	..	22	22	..	..	..
..	..	..	..	28	32	11	..	..
..	..	..	..	31	32	30	..	..
..	..	..	..	33	34	32	..	..
..	..	..	..	33	34	33	..	..
10	10	..	..	47	47	..	..	18
10	10	..	..	48	49	..	..	18
10	10	..	..	50	50	..	..	18
10	10	..	..	52	52	..	..	18
..	..	..	..	33	33	..	..	..
..	..	..	..	33	33	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	33	33	..	..	23
52	63	50	16	46	43	31	96	32
50	63	54	16	46	43	30	96	31
47	63	49	15	45	42	32	96	31
45	64	53	14	44	41	36	96	32
15	..	..	15	28	28	..	..	15
15	..	..	15	27	28	..	..	15
15	..	..	15	27	28	..	..	15
10	..	..	10	21	21	..	..	10
47	46	52	11	49	45	52	80	27
46	46	49	16	47	45	49	67	31
44	43	49	9	44	39	47	73	35
42	42	44	3	43	37	47	67	34
40	41	21	..	44	42	47	65	36
44	44	15	..	44	43	47	46	31
47	47	26	..	44	45	43	54	29
47	47	26	..	41	41	42	40	31
20	19	..	34	45	44	52	..	30
13	13	..	25	46	42	57	..	45
18	18	..	25	46	48	40	..	15
15	15	..	11	46	48	41	..	25

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Brazil	2014	50	57	48	88	29	12	..
	2015	47	53	45	85	32	32	..
	2016	44	41	45	91	38	11	..
	2017	43	44	42	90	39	7	..
Chile	2014	39	40	41	..	22	25	..
	2015	40	41	42	..	27	25	..
	2016	37	37	40	..	27	27	..
	2017	34	35	37	..	31	24	30
Colombia	2014	53	53	53	..	37	..	..
	2015	49	57	45	..	37	..	..
	2016	48	53	46	..	32	..	..
	2017	48	33	56	..	2	6	..
Ecuador	2014	45	38	56	..	43	7	..
	2015	45	37	59	..	53	16	..
	2016	36	32	40	..	45	17	..
	2017	38	24	49	..	40	17	..
Falkland Is. (Malvinas)	2014	24	23	..	..	29	..	..
	2015	25	24	..	..	30	..	..
	2016	28	25	..	..	35	..	..
	2017	26	25	..	..	30	..	..
Guyana	2014	30	30	..	..	..	10	..
	2015	34	34	..	..	..	10	..
	2016	36	36	..	..	..	10	..
	2017	36	37	..	..	..	10	..
Paraguay	2014	72	5	72	..	..	..	..
	2015	72	1	72	..	..	..	..
	2016	83	29	83	..	..	..	..
	2017	77	34	77	..	..	..	..
Peru	2014	46	36	69	..	20	24	..
	2015	46	36	66	..	28	26	..
	2016	41	34	55	..	51	28	..
	2017	41	28	63	..	51	13	..
Suriname	2014	48	47	48	..	..	..	..
	2015	47	51	42	..	..	10	..
	2016	46	46	47	..	..	10	..
	2017	48	44	56	..	..	10	..
Uruguay	2014	40	18	72	..	17	10	..
	2015	39	25	61	..	28	9	..
	2016	41	31	58	..	28	19	..
	2017	36	26	56	..	29	11	..
Venezuela (Bolivar. Rep.)	2014	48	35	62	..	26	26	10
	2015	46	36	56	..	17	23	23
	2016	41	35	47	..	22	23	23
	2017	42	36	49	..	22	18	23
Asia	2014	45	50	35	44	18	10	67
	2015	43	48	35	47	16	12	59
	2016	42	47	36	48	18	11	56
	2017	42	48	35	52	19	10	55
Afghanistan	2014	28	15	32	..	..	..	..
	2015	23	12	26	..	..	..	..
	2016	24	13	28	..	..	..	..
	2017	24	14	28	..	..	..	..
Armenia	2014	22	16	18	69	11	..	..
	2015	22	13	20	78	11	11	..
	2016	20	12	20	67	8	11	..
	2017	21	14	20	73	8	8	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
51	51	52	11	50	62	48	88	29
48	48	49	48	47	58	45	85	32
46	46	49	11	43	37	45	91	38
45	46	42	1	42	42	42	90	37
52	51	65	..	39	38	41	..	23
53	53	63	34	39	39	42	..	26
32	32	51	0	37	38	40	..	27
22	23	63	0	36	38	37	..	28
60	63	17	..	52	49	53	..	8
61	63	17	..	47	55	45	..	8
61	64	17	..	47	49	46	..	32
60	63	18	..	47	23	56	..	3
51	48	80	..	44	36	56	..	23
48	46	62	..	45	34	59	..	33
50	48	66	..	34	27	39	..	30
62	58	82	..	35	15	48	..	27
..	..	..	..	22	19	..	..	29
..	..	..	..	22	20	..	..	30
..	..	..	..	25	22	..	..	35
..	..	..	..	23	21	..	..	30
43	43	..	..	28	28	..	..	10
61	61	..	..	29	29	..	..	10
62	62	..	..	31	31	..	..	10
64	64	..	..	31	32	..	..	10
..	..	..	..	72	5	72	..	..
..	..	..	..	72	1	72	..	..
..	..	..	..	83	29	83	..	..
..	..	..	..	77	34	77	..	..
21	18	61	..	50	40	69	..	22
19	15	65	..	50	40	66	..	28
17	14	63	..	44	37	54	..	44
18	14	60	12	43	31	63	..	32
48	49	48	..	47	47	..	..	..
48	58	42	..	46	47	..	..	10
53	62	47	..	35	36	..	..	10
53	49	56	..	40	41	..	..	10
33	34	..	3	41	12	72	..	18
40	42	..	4	39	18	61	..	27
39	42	..	3	41	23	58	..	28
39	43	..	4	36	16	56	..	27
13	13	..	..	49	37	62	..	26
23	23	..	..	47	37	56	..	17
22	22	..	..	41	36	47	..	22
23	23	..	..	43	37	49	..	22
40	43	16	22	45	51	35	44	18
37	41	16	20	44	50	36	47	16
39	44	9	20	42	47	36	48	17
44	52	7	20	42	48	36	52	16
19	1	27	..	34	28	36	..	..
18	1	26	..	26	23	26	..	..
19	1	27	..	27	24	28	..	..
19	1	28	..	27	26	28	..	..
..	..	..	..	22	16	18	69	11
..	..	..	..	22	13	20	78	11
..	..	..	..	20	12	20	67	9
..	..	..	..	21	14	20	73	8

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Azerbaijan	2014	38	43	14	..	8	14	..
	2015	36	39	17	..	7	12	..
	2016	36	39	20	..	17	16	..
	2017	35	38	18	..	16	15	..
Bahrain	2014	45	45	..	..	..	..	..
	2015	47	47	..	..	..	21	..
	2016	47	47	..	..	11	21	..
	2017	48	48	..	..	11	21	..
Bangladesh	2014	68	69	31	..	46	14	..
	2015	60	62	30	..	46	13	..
	2016	66	67	51	..	57	13	..
	2017	68	69	52	..	57	12	..
Bhutan	2014	55	0	55	..	..	..	..
	2015	55	0	55	..	..	..	..
	2016	56	0	56	..	14	..	..
	2017	54	0	55	..	21	..	..
Brunei Darussalam	2014	63	63	..	..	..	19	..
	2015	59	59	..	..	..	19	..
	2016	59	60	..	..	..	10	..
	2017	48	48	..	..	..	19	..
Cambodia	2014	23	24	23	..	..	17	..
	2015	30	38	25	..	..	17	..
	2016	38	45	32	..	..	17	..
	2017	43	55	32	..	..	6	..
China	2014	44	48	39	75	18	7	46
	2015	41	45	39	72	16	10	50
	2016	40	44	40	72	18	9	36
	2017	40	46	38	79	21	8	10
China, Hong Kong SAR	2014	36	36	..	..	..	..	..
	2015	34	34	..	..	..	..	..
	2016	34	34	..	..	..	..	..
	2017	34	34	..	..	..	..	..
China, Macao SAR	2014	14	14	..	..	..	..	..
	2015	21	21	..	..	..	..	..
	2016	22	22	..	..	..	..	..
	2017	33	33	..	..	..	..	..
Cyprus	2014	29	31	..	..	14	15	..
	2015	30	31	..	..	16	19	..
	2016	32	34	..	..	16	20	..
	2017	32	35	..	..	15	18	..
Georgia	2014	34	34	34	..	..	..	..
	2015	33	30	34	..	..	..	..
	2016	34	28	36	..	5	..	..
	2017	32	28	33	..	48	..	..
India	2014	47	53	37	71	12	15	..
	2015	54	63	34	74	14	15	..
	2016	44	51	31	64	11	11	49
	2017	42	50	32	65	12	11	54
Indonesia	2014	43	43	38	..	..	8	77
	2015	41	42	32	..	..	6	45
	2016	45	44	50	..	10	19	68
	2017	53	54	41	..	10	19	67
Iran (Islamic Rep. of)	2014	43	48	15	50	14	2	46
	2015	43	49	14	33	16	1	14
	2016	45	50	16	74	15	1	16
	2017	46	52	14	84	18	9	13

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
95	95	..	..	36	41	14	..	11
37	37	..	..	36	40	17	..	9
35	35	..	24	36	39	20	..	14
31	31	..	28	35	39	18	..	13
41	41	..	..	47	47	..	..	..
42	42	..	..	50	50	..	..	17
43	43	..	..	50	50	..	..	19
42	42	..	..	52	52	..	..	19
76	76	..	..	65	67	31	..	14
77	77	..	..	56	57	30	..	13
86	86	..	..	61	62	51	..	14
82	82	..	..	65	66	52	..	13
..	..	..	..	55	0	55	..	..
..	..	..	..	55	0	55	..	..
..	..	..	..	56	0	56	..	11
..	..	..	..	54	0	55	..	18
51	51	..	..	65	65	..	..	19
48	48	..	..	60	60	..	..	19
44	44	..	..	62	62	..	..	10
42	42	..	..	49	49	..	..	19
..	..	..	..	23	24	23	..	17
..	..	..	..	30	38	25	..	17
..	..	..	..	38	45	32	..	17
..	..	..	..	43	55	32	..	6
43	48	..	..	44	48	40	75	17
39	44	..	..	41	45	40	72	15
37	41	..	..	40	44	41	72	15
75	97	..	..	39	44	40	79	15
..	..	..	..	36	36	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
60	60	..	..	11	11	..	..	..
60	60	..	..	18	18	..	..	..
57	57	..	..	19	19	..	..	..
59	59	..	..	30	30	..	..	..
18	21	..	13	29	31	..	..	15
15	12	..	18	30	32	..	..	17
17	14	..	20	32	35	..	..	17
17	14	..	20	33	35	..	..	16
..	..	..	..	34	34	34	..	..
..	..	..	..	33	30	34	..	..
..	..	..	..	34	28	36	..	5
..	..	..	..	32	28	33	..	48
41	43	19	12	48	55	37	71	13
30	31	30	20	63	83	34	74	13
43	46	25	12	44	52	31	64	17
37	39	26	13	43	53	32	65	17
67	67	54	87	39	38	35	..	72
66	66	67	64	32	33	23	..	36
40	35	67	75	48	48	44	..	57
34	29	51	82	62	65	37	..	49
13	13	..	..	45	51	15	50	16
13	13	..	..	46	52	14	33	15
13	13	..	..	47	53	16	74	13
16	16	..	..	48	55	14	84	15

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iraq	2014	30	32	13	..	..	..	..
	2015	25	26	12	..	..	..	..
	2016	28	30	15	..	..	..	..
	2017	30	31	10	..	..	..	..
Israel	2014	43	44	21	..	11	14	..
	2015	43	44	39	..	13	17	..
	2016	43	45	0	..	0	20	..
	2017	43	45	0	..	76	18	..
Japan	2014	39	54	20	0	22	14	90
	2015	38	53	21	3	23	14	88
	2016	36	51	19	5	22	14	87
	2017	36	50	21	10	21	14	88
Jordan	2014	50	50	55	..	20	..	..
	2015	49	50	50	..	12	4	..
	2016	50	54	39	..	22	20	..
	2017	52	57	36	..	26	17	..
Kazakhstan	2014	48	49	38	..	15	11	..
	2015	48	49	42	..	15	11	..
	2016	48	48	53	..	18	19	..
	2017	47	46	51	..	19	19	..
Korea, Dem.Ppl's.Rep.	2014	28	19	35	..	..	..	..
	2015	21	14	26	..	..	..	..
	2016	25	16	31	..	..	..	..
	2017	22	13	29	..	..	..	..
Korea, Republic of	2014	63	63	14	86	21	12	39
	2015	61	61	10	87	18	13	42
	2016	58	58	12	80	18	13	39
	2017	53	53	12	75	20	14	44
Kuwait	2014	47	47	..	..	..	..	..
	2015	43	43	..	..	..	..	..
	2016	42	42	..	..	..	0	..
	2017	44	44	..	..	..	11	..
Kyrgyzstan	2014	43	18	50	..	..	..	..
	2015	38	28	41	..	..	..	..
	2016	40	28	43	..	..	..	..
	2017	46	20	52	..	..	..	..
Lao People's Dem. Rep.	2014	58	2	58	..	..	16	..
	2015	33	15	42	..	..	16	..
	2016	44	42	45	..	..	16	..
	2017	52	70	45	..	..	16	..
Lebanon	2014	64	69	8	..	..	16	..
	2015	65	69	20	..	..	17	..
	2016	67	72	16	..	..	14	..
	2017	72	77	19	..	..	13	..
Malaysia	2014	56	61	32	..	..	16	..
	2015	56	66	28	..	..	14	..
	2016	54	60	37	..	..	13	..
	2017	56	59	50	..	..	11	..
Maldives	2014	23	23	..	..	23	17	..
	2015	25	26	..	..	23	17	..
	2016	27	27	..	..	23	16	..
	2017	27	27	..	..	23	16	..
Mongolia	2014	46	49	..	..	..	..	..
	2015	47	50	..	..	..	..	..
	2016	48	51	..	..	..	..	..
	2017	47	53	..	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	30	32	13	..	..
..	..	..	..	25	26	12	..	..
..	..	..	..	28	30	15	..	..
..	..	..	..	30	31	10	..	..
33	62	29	14	44	44	18	..	11
35	61	51	17	43	43	34	..	13
33	55	0	20	44	44	0	..	0
31	44	0	20	45	45	0	..	0
31	34	45	23	42	62	18	0	50
30	35	44	21	41	59	19	3	48
28	40	55	19	38	52	19	5	18
27	38	57	19	38	51	20	10	18
22	22	..	..	51	51	55	..	20
27	27	..	..	50	51	50	..	12
8	8	..	..	52	57	39	..	21
13	13	..	..	54	59	36	..	20
11	..	..	11	48	49	38	..	15
11	..	..	11	48	49	42	..	14
11	..	..	11	48	48	53	..	19
11	..	..	11	47	46	51	..	19
..	..	..	..	28	19	35	..	..
..	..	..	..	21	14	26	..	..
..	..	..	..	25	16	31	..	..
..	..	..	..	22	13	29	..	..
49	53	..	7	64	64	14	86	19
45	52	..	5	62	62	10	87	19
54	59	..	9	58	58	12	80	17
43	45	..	12	53	54	12	75	17
..	..	..	..	47	47	..	..	..
..	..	..	..	43	43	..	..	..
0	..	..	0	42	42	..	..	..
1	..	..	11	44	44	..	..	..
46	46	..	..	43	18	50	..	..
46	46	..	..	38	27	41	..	..
49	49	..	..	40	28	43	..	..
29	29	..	..	46	20	52	..	..
..	..	..	..	58	2	58	..	16
..	..	..	..	33	15	42	..	16
..	..	..	..	44	42	45	..	16
..	..	..	..	52	70	45	..	16
88	89	..	16	55	60	8	..	..
91	92	..	17	54	58	20	..	..
89	91	..	14	58	63	16	..	..
90	92	..	13	65	70	19	..	..
23	23	..	..	59	65	32	..	16
19	26	..	..	61	70	28	..	9
22	28	..	..	58	64	37	..	8
25	25	27	..	59	62	50	..	11
19	19	..	..	26	26	..	..	18
19	19	..	..	31	31	..	..	18
20	20	..	..	33	34	..	..	17
20	20	..	..	33	34	..	..	17
..	..	..	..	54	57	..	..	..
..	..	..	..	55	58	..	..	..
..	..	..	..	56	59	..	..	..
..	..	..	..	55	61	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Myanmar	2014	34	38	32	..	..	..	..
	2015	35	36	34	..	..	..	..
	2016	38	43	34	..	..	..	..
	2017	40	45	37	..	..	..	..
Nepal	2014	48	2	51	..	..	..	..
	2015	50	..	54	..	11	11	..
	2016	49	..	53	..	11	11	..
	2017	46	..	49	..	11	10	..
Oman	2014	40	40	..	..	..	..	..
	2015	48	48	..	..	..	..	..
	2016	48	48	..	..	..	..	..
	2017	50	50	..	..	..	..	..
Other Asia	2014	61	64	18	94	27	10	..
	2015	61	65	18	81	27	11	..
	2016	61	67	24	70	25	10	..
	2017	62	72	21	50	29	11	..
Pakistan	2014	49	46	53	77	29	..	..
	2015	50	47	53	88	21	..	..
	2016	48	46	55	70	27	6	..
	2017	44	41	52	72	21	19	..
Philippines	2014	49	54	29	..	6	8	61
	2015	50	55	27	..	20	10	66
	2016	48	53	26	..	26	16	66
	2017	47	51	30	..	29	15	61
Qatar	2014	50	50	..	..	..	..	..
	2015	55	55	..	..	..	..	..
	2016	56	56	..	..	..	..	..
	2017	51	51	..	..	..	..	..
Saudi Arabia	2014	54	54	..	..	..	17	..
	2015	56	56	..	..	..	17	..
	2016	53	53	..	..	..	16	..
	2017	50	50	..	..	14	14	..
Singapore	2014	44	44	..	..	..	17	..
	2015	44	44	..	..	..	17	..
	2016	44	44	..	..	..	17	..
	2017	44	44	..	..	..	17	..
Sri Lanka	2014	36	41	31	..	24	31	..
	2015	38	37	40	..	31	23	..
	2016	41	53	28	..	31	12	..
	2017	34	55	27	..	4	24	..
State of Palestine	2014	24	24	..	..	..	11	..
	2015	34	36	..	..	..	9	..
	2016	33	35	..	..	..	19	..
	2017	33	36	..	..	..	17	..
Syrian Arab Republic	2014	26	26	23	..	..	..	..
	2015	22	26	3	..	..	..	..
	2016	23	24	11	..	..	..	..
	2017	23	24	9	..	..	..	..
Tajikistan	2014	30	4	32	..	..	..	..
	2015	31	8	33	..	..	..	..
	2016	30	10	32	..	..	..	..
	2017	31	16	33	..	..	..	..
Thailand	2014	35	39	18	..	17	4	38
	2015	35	38	16	..	16	8	38
	2016	36	38	23	..	17	11	38
	2017	35	37	32	..	54	15	38

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
54	57	45	..	31	30	31	..	..
33	28	45	..	35	38	33	..	..
50	52	39	..	36	40	34	..	..
51	54	43	..	38	41	37	..	..
9	..	9	..	59	2	64	..	..
18	..	18	..	55	..	60	..	11
6	..	6	..	67	..	73	..	11
3	..	3	..	81	..	90	..	11
..	..	..	..	40	40	..	..	..
..	..	..	..	48	48	..	..	..
..	..	..	..	48	48	..	..	..
..	..	..	..	50	50	..	..	..
54	54	..	..	63	66	18	94	18
51	51	..	..	63	69	18	81	18
52	52	..	18	63	70	24	70	15
48	48	..	21	65	78	21	50	16
39	39	..	..	49	46	53	77	29
47	47	..	..	50	47	53	88	15
38	38	..	..	48	46	55	70	15
37	37	..	..	44	41	52	72	20
21	22	12	..	49	54	29	..	54
25	26	12	..	50	56	27	..	54
25	26	12	..	48	54	26	..	48
26	26	12	..	47	52	30	..	44
54	54	..	..	30	30	..	..	..
61	61	..	..	22	22	..	..	..
62	62	..	..	23	23	..	..	..
57	57	..	..	21	21	..	..	..
67	67	..	..	52	52	..	..	17
78	78	..	..	52	52	..	..	17
80	80	..	..	48	48	..	..	16
70	70	..	..	46	46	..	..	14
97	97	..	..	42	42	..	..	17
88	88	..	..	43	43	..	..	17
96	96	..	..	42	42	..	..	17
80	80	..	..	42	43	..	..	17
2	0	0	35	39	41	38	..	24
38	33	40	24	38	37	41	..	31
5	43	1	17	45	53	35	..	27
6	34	1	30	36	56	34	..	4
38	40	..	11	22	22	..	..	11
68	86	..	9	28	29	..	..	9
62	89	..	19	27	28	..	..	19
50	75	..	17	29	30	..	..	17
5	5	..	..	28	30	23	..	..
5	5	..	..	25	30	3	..	..
7	7	..	..	24	26	11	..	..
7	7	..	..	25	27	9	..	..
..	..	..	..	30	4	32	..	..
..	..	..	..	31	8	33	..	..
..	..	..	..	30	10	32	..	..
..	..	..	..	31	16	33	..	..
21	22	..	7	43	47	18	..	3
23	24	..	12	40	44	16	..	4
33	35	..	17	37	40	23	..	5
38	39	..	23	34	35	32	..	11

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Timor-Leste	2014	14	14	..	..	..	..	..
	2015	25	25	..	..	..	..	..
	2016	17	17	..	..	..	..	..
	2017	18	18	..	..	..	..	..
Turkey	2014	41	55	20	..	27	5	65
	2015	41	49	30	..	30	9	62
	2016	40	48	29	..	31	14	66
	2017	40	52	24	..	31	10	65
Turkmenistan	2014	58	58	..	..	..	..	..
	2015	58	58	..	..	..	..	..
	2016	55	55	..	..	..	..	..
	2017	49	49	..	..	..	..	..
United Arab Emirates	2014	46	46	..	..	..	27	..
	2015	51	51	..	..	..	27	..
	2016	51	52	..	..	..	29	..
	2017	51	51	..	..	..	28	..
Uzbekistan	2014	51	53	39	..	..	..	..
	2015	52	53	46	..	..	0	..
	2016	53	54	47	..	..	2	..
	2017	54	55	52	..	..	3	..
Viet Nam	2014	47	49	45	..	31	..	..
	2015	48	53	42	..	22	..	..
	2016	49	51	46	..	15	..	..
	2017	53	48	62	..	17	..	..
Yemen	2014	57	57	..	..	..	21	..
	2015	44	45	..	..	..	21	..
	2016	33	35	..	..	..	25	..
	2017	32	34	..	..	..	24	..
Europe	2014	39	38	35	81	23	13	62
	2015	40	39	33	80	24	13	65
	2016	39	40	34	78	22	12	64
	2017	39	40	31	78	25	12	59
Albania	2014	29	..	31	..	..	..	..
	2015	35	..	37	..	..	..	..
	2016	42	..	45	..	..	..	..
	2017	24	..	25	..	..	..	..
Andorra	2014	29	34	29	..	..	..	..
	2015	23	35	22	..	..	..	..
	2016	23	36	21	..	..	..	..
	2017	24	43	22	..	..	..	..
Austria	2014	31	23	39	..	21	11	0
	2015	30	28	35	..	22	11	0
	2016	31	30	35	..	22	11	0
	2017	33	37	34	..	26	11	..
Belarus	2014	39	39	41	..	42	4	..
	2015	40	40	36	..	42	30	..
	2016	38	39	22	..	14	7	..
	2017	39	39	45	..	13	13	..
Belgium	2014	40	39	12	65	27	11	23
	2015	38	45	11	50	29	11	31
	2016	45	42	12	84	26	11	31
	2017	44	44	11	81	26	10	31
Bosnia and Herzegovina	2014	45	56	33	..	..	..	..
	2015	41	53	30	..	..	..	..
	2016	46	63	30	..	..	30	..
	2017	41	62	21	..	..	15	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	14	14	..	..	..
..	..	..	..	25	25	..	..	..
..	..	..	..	17	17	..	..	..
..	..	..	..	18	18	..	..	..
48	53	18	52	41	55	20	..	31
48	51	26	59	40	49	30	..	32
45	50	18	27	40	47	29	..	34
37	46	20	15	40	52	24	..	30
..	..	..	..	58	58	..	..	..
..	..	..	..	58	58	..	..	..
..	..	..	..	55	55	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	46	46	..	..	27
..	..	..	..	51	51	..	..	27
..	..	..	..	51	52	..	..	29
..	..	..	..	51	51	..	..	28
32	32	..	..	51	53	39	..	..
15	15	..	..	53	54	46	..	0
16	16	..	..	54	55	47	..	2
16	16	..	..	55	55	52	..	3
9	10	3	4	51	56	46	..	33
14	16	3	4	51	58	43	..	23
10	11	3	4	55	61	47	..	16
9	9	3	4	60	58	63	..	17
23	23	..	21	60	60	..	..	..
20	19	..	21	47	47	..	..	..
22	17	..	25	36	36	..	..	..
22	16	..	24	36	36	..	..	..
36	41	42	13	40	37	35	81	20
37	44	40	14	40	39	33	80	21
37	45	37	13	40	39	34	78	20
37	46	34	13	39	40	31	78	21
..	..	..	..	30	..	31	..	..
..	..	..	..	35	..	37	..	..
..	..	..	..	43	..	45	..	..
..	..	..	..	24	..	25	..	..
..	..	..	..	29	34	29	..	..
..	..	..	..	23	35	22	..	..
..	..	..	..	23	36	21	..	..
..	..	..	..	24	43	22	..	..
39	47	12	..	30	16	40	..	18
40	49	10	..	29	22	36	..	19
41	50	11	..	30	24	36	..	19
53	66	13	..	31	29	35	..	22
44	45	13	46	38	38	46	..	18
48	49	11	74	39	39	41	..	30
46	46	27	14	38	38	21	..	11
50	53	17	13	38	38	47	..	13
25	53	..	11	44	37	12	65	27
26	56	..	11	41	42	11	50	29
25	53	..	11	51	40	12	84	26
26	59	..	10	50	41	11	81	27
18	18	..	..	46	61	33	..	..
21	21	..	..	43	56	30	..	..
20	20	..	..	48	68	30	..	30
22	22	..	..	43	66	21	..	15

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Bulgaria	2014	47	61	18	92	22	14	..
	2015	51	71	22	89	24	15	..
	2016	47	66	16	92	23	15	..
	2017	47	71	12	90	25	15	..
Croatia	2014	35	22	49	..	24	12	..
	2015	27	21	34	..	24	11	..
	2016	31	26	37	..	24	14	..
	2017	27	28	29	..	24	15	..
Czechia	2014	45	44	15	81	20	12	..
	2015	44	45	16	71	23	12	..
	2016	43	46	16	64	20	12	..
	2017	45	45	15	75	22	12	..
Denmark	2014	27	26	19	..	31	11	..
	2015	24	20	29	..	32	9	..
	2016	25	24	24	..	28	10	..
	2017	25	22	23	..	31	9	..
Estonia	2014	47	49	62	..	25	..	..
	2015	42	43	51	..	27	..	..
	2016	54	59	67	..	22	..	..
	2017	58	63	42	..	26	..	..
Faeroe Islands	2014	28	25	35	..	24	..	..
	2015	28	21	39	..	32	..	..
	2016	28	26	31	..	30	..	..
	2017	30	27	32	..	42	..	..
Finland	2014	48	35	47	98	20	8	..
	2015	47	31	59	96	26	7	..
	2016	48	35	56	96	22	7	..
	2017	45	32	52	92	27	7	..
France	2014	50	18	31	79	22	12	61
	2015	50	23	27	79	24	12	63
	2016	48	29	29	73	21	13	56
	2017	48	38	24	72	21	13	65
Germany	2014	36	48	26	92	17	11	51
	2015	36	48	25	97	20	11	52
	2016	36	50	26	89	18	11	62
	2017	35	49	27	81	22	11	53
Gibraltar	2014	53	53	..	..	..	..	..
	2015	59	59	..	..	..	..	..
	2016	60	67	..	..	..	..	..
	2017	65	73	..	..	..	..	..
Greece	2014	30	40	16	..	21	17	..
	2015	31	39	21	..	25	17	..
	2016	32	42	19	..	25	17	..
	2017	32	44	14	..	24	17	..
Guernsey	2014	22	22	..	..	..	..	..
	2015	16	16	..	..	..	..	..
	2016	9	9	..	..	..	..	..
	2017	7	7	..	..	..	..	..
Hungary	2014	39	23	60	89	23	9	48
	2015	40	25	47	90	24	9	51
	2016	42	27	52	92	24	12	24
	2017	42	29	44	92	26	12	24
Iceland	2014	75	0	74	..	30	..	90
	2015	77	0	79	..	42	..	86
	2016	76	0	77	..	34	..	87
	2017	78	0	80	..	46	..	83

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
30	45	..	..	48	61	18	92	17
18	30	..	..	52	72	22	89	19
16	28	..	..	48	68	16	92	19
18	32	..	..	48	74	12	90	19
25	25	40	..	35	21	49	..	23
22	21	34	..	28	21	34	..	22
23	23	40	..	31	26	37	..	23
30	30	25	..	27	28	29	..	23
55	57	34	..	44	42	13	81	13
56	59	34	..	43	43	14	71	14
57	59	36	..	42	45	14	64	13
54	55	38	..	44	44	13	75	13
24	37	..	11	27	25	19	..	31
23	41	..	9	24	18	29	..	32
22	37	..	10	25	23	24	..	28
21	37	..	9	25	21	23	..	31
27	28	..	23	47	49	59	..	25
58	65	..	27	41	43	51	..	27
88	103	..	25	54	58	67	..	22
51	55	..	..	58	63	42	..	27
..	..	..	..	28	25	35	..	24
..	..	..	..	28	21	39	..	32
..	..	..	..	28	26	31	..	30
..	..	..	..	30	27	32	..	42
56	55	57	8	47	30	46	98	20
56	54	66	7	46	25	58	96	27
53	51	64	7	48	30	55	96	22
49	48	61	7	44	27	51	92	28
26	39	43	15	52	15	31	79	20
27	41	33	15	52	19	27	79	21
26	39	36	14	50	28	29	73	20
24	41	30	13	50	37	24	72	20
53	53	42	53	35	48	26	92	14
53	54	42	54	35	48	25	97	16
59	59	47	62	34	49	26	89	15
56	56	47	56	33	48	27	81	17
..	..	..	..	53	53	..	..	..
..	..	..	..	59	59	..	..	..
..	..	..	..	60	67	..	..	..
..	..	..	..	65	73	..	..	..
41	41	..	..	30	40	16	..	19
48	48	..	..	31	39	21	..	21
39	39	..	..	32	42	19	..	21
39	39	..	..	32	44	14	..	21
..	..	..	..	22	22	..	..	..
..	..	..	..	16	16	..	..	..
..	..	..	..	9	9	..	..	..
..	..	..	..	7	7	..	..	..
28	36	..	14	39	23	60	89	23
24	33	..	14	41	25	47	90	23
25	37	..	13	43	27	52	92	23
24	39	..	13	44	28	44	92	24
..	..	..	..	75	0	74	..	90
..	..	..	..	77	0	79	..	86
..	..	..	..	76	0	77	..	87
..	..	..	..	78	0	80	..	83

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Ireland	2014	33	36	21	..	26	11	..
	2015	34	36	24	..	31	17	..
	2016	35	41	21	..	25	11	..
	2017	34	39	19	..	26	8	..
Isle of Man	2014	28	29	27	..	..	..	..
	2015	27	27	40	..	..	..	..
	2016	27	27	28	..	..	..	..
	2017	28	28	36	..	..	..	..
Italy	2014	26	28	31	..	20	14	68
	2015	28	33	24	..	19	14	71
	2016	29	37	23	..	22	13	73
	2017	30	39	19	..	21	14	71
Jersey	2014	5	5	..	..	..	..	..
	2015	7	7	..	..	..	..	..
	2016	10	10	..	..	..	..	..
	2017	7	7	..	..	..	..	..
Kosovo	2014	55	56	40	..	..	..	..
	2015	55	56	38	..	..	..	..
	2016	56	56	66	..	..	..	..
	2017	54	55	48	..	..	11	..
Latvia	2014	20	27	14	..	23	..	..
	2015	22	32	13	..	25	..	..
	2016	25	33	18	..	21	..	..
	2017	29	26	32	..	22	..	..
Liechtenstein	2014	32	29	25	..	..	47	..
	2015	50	25	56	..	..	43	..
	2016	64	27	77	..	..	45	..
	2017	66	26	78	..	..	50	..
Lithuania	2014	12	10	14	..	25	12	..
	2015	16	14	13	..	21	12	..
	2016	13	9	14	..	25	11	..
	2017	14	8	15	..	30	10	..
Luxembourg	2014	17	35	10	..	16	10	..
	2015	16	23	13	..	18	10	..
	2016	15	39	13	..	10	9	..
	2017	15	45	12	..	22	10	..
Malta	2014	35	40	..	..	..	7	..
	2015	20	23	..	..	..	7	..
	2016	13	15	..	..	..	8	..
	2017	25	31	..	..	..	8	..
Montenegro	2014	42	74	31	..	..	..	..
	2015	39	79	26	..	..	..	..
	2016	41	68	32	..	..	..	..
	2017	30	70	18	..	15	..	..
Netherlands	2014	37	39	35	96	23	8	40
	2015	37	39	29	96	25	8	46
	2016	38	42	31	93	22	9	43
	2017	40	44	19	80	29	9	38
North Macedonia	2014	35	43	22	..	22	11	..
	2015	36	38	32	..	37	15	58
	2016	36	38	33	..	34	16	82
	2017	35	46	19	..	34	16	84
Norway	2014	48	24	50	..	29	..	..
	2015	49	24	50	..	33	..	..
	2016	50	34	52	..	27	..	..
	2017	50	34	51	..	27	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
69	69	..	11	31	34	21	..	26
72	72	..	17	32	34	24	..	31
72	73	..	11	34	39	21	..	25
69	71	..	8	32	37	19	..	26
..	..	..	..	27	27	27	..	..
..	..	..	..	25	25	40	..	..
37	37	..	..	26	26	28	..	..
36	36	..	..	28	28	36	..	..
44	44	71	29	26	27	31	..	18
41	41	57	32	27	33	24	..	17
44	43	55	42	28	36	22	..	18
45	45	47	31	29	38	19	..	18
15	15	..	..	4	4	..	..	..
17	17	..	..	2	2	..	..	..
18	18	..	..	6	6	..	..	..
18	18	..	..	1	1	..	..	..
..	..	..	..	55	56	40	..	..
..	..	..	..	55	56	38	..	..
..	..	..	..	56	56	66	..	..
..	..	..	..	54	55	48	..	11
69	68	80	..	19	26	14	..	23
70	70	23	..	21	30	13	..	24
55	58	23	11	25	32	18	..	21
65	69	46	11	29	25	32	..	22
..	..	..	..	32	29	25	..	47
..	..	..	..	50	25	56	..	43
..	..	..	..	64	27	77	..	45
..	..	..	..	66	26	78	..	50
31	23	..	..	11	8	14	..	23
39	31	..	..	14	12	13	..	20
36	28	..	..	11	7	14	..	24
34	26	..	..	13	5	15	..	28
18	33	34	10	17	36	10	..	16
17	30	34	10	15	22	13	..	18
16	27	46	9	14	54	13	..	10
18	44	23	10	15	46	12	..	22
14	27	..	13	37	40	..	..	..
13	27	..	12	21	23	..	..	..
14	18	..	14	13	15	..	..	..
15	23	..	15	27	31	..	..	..
..	..	..	..	42	74	31	..	..
..	..	..	..	39	79	26	..	..
..	..	..	..	41	68	32	..	..
..	..	..	..	30	70	18	..	15
37	44	..	13	37	37	35	96	23
37	47	..	13	37	38	29	96	25
35	47	..	12	39	41	31	93	22
35	51	..	11	41	43	19	80	29
3	3	..	..	35	43	22	..	19
..	..	..	..	36	38	32	..	32
..	..	..	..	36	38	33	..	33
..	..	..	..	35	46	19	..	35
53	53	..	..	48	8	50	..	28
54	54	..	..	49	8	50	..	32
54	54	..	..	50	13	52	..	26
53	53	..	..	50	15	51	..	26

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Poland	2014	50	57	13	..	23	3	46
	2015	50	58	12	..	25	6	51
	2016	50	58	13	..	25	8	57
	2017	45	51	14	..	30	7	46
Portugal	2014	32	33	33	..	28	17	90
	2015	30	43	18	..	27	20	93
	2016	33	43	28	..	28	19	79
	2017	32	55	12	..	27	20	85
Republic of Moldova	2014	38	22	42	..	11	11	50
	2015	44	21	36	..	23	23	63
	2016	45	22	28	..	17	11	63
	2017	34	21	34	..	9	11	43
Romania	2014	31	27	33	94	22	14	..
	2015	32	29	29	94	26	17	..
	2016	32	28	31	91	25	15	..
	2017	31	30	25	93	28	15	..
Russian Federation	2014	47	44	40	82	11	8	67
	2015	47	45	38	85	17	9	67
	2016	47	43	42	83	18	10	65
	2017	46	42	40	83	16	11	67
Serbia	2014	53	60	44	..	..	11	..
	2015	59	73	41	..	..	14	..
	2016	61	73	43	..	17	12	..
	2017	57	72	37	..	22	15	..
Slovakia	2014	39	25	20	91	23	13	54
	2015	39	29	19	89	23	11	38
	2016	40	30	21	87	23	11	46
	2017	41	32	21	89	17	11	59
Slovenia	2014	58	41	56	106	11	13	..
	2015	51	51	36	94	14	13	..
	2016	53	50	42	95	14	13	..
	2017	51	48	35	104	14	13	..
Spain	2014	28	23	25	88	26	22	0
	2015	28	26	18	88	25	23	27
	2016	28	23	22	90	24	22	13
	2017	28	28	12	93	24	23	11
Sweden	2014	44	17	46	78	25	9	..
	2015	45	18	53	66	32	11	..
	2016	43	20	43	74	27	11	..
	2017	47	24	45	83	30	11	..
Switzerland	2014	43	41	33	95	19	9	..
	2015	39	40	33	79	21	9	..
	2016	35	46	28	72	17	9	..
	2017	33	47	28	70	20	10	..
Ukraine	2014	37	27	18	73	31	12	..
	2015	33	22	14	72	29	13	..
	2016	33	23	17	67	25	13	..
	2017	34	21	19	71	24	11	..
United Kingdom	2014	40	41	22	73	28	8	3
	2015	40	41	23	85	32	9	3
	2016	40	44	21	86	26	10	0
	2017	37	40	22	86	29	10	3
Oceania	2014	43	48	36	..	32	9	89
	2015	43	50	32	..	32	10	94
	2016	45	52	35	..	33	11	94
	2017	45	54	35	..	30	13	94

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
55	55	34	6	50	57	13	..	23
50	52	34	7	50	58	12	..	25
57	62	34	8	49	58	13	..	25
49	54	46	7	45	50	14	..	30
46	49	44	17	30	28	33	..	28
46	49	29	20	29	41	18	..	27
46	50	38	17	32	41	28	..	28
46	51	21	17	31	56	12	..	27
6	6	..	..	42	29	42	..	50
3	3	..	..	51	29	36	..	63
4	4	..	..	50	28	28	..	63
5	5	..	6	37	27	34	..	43
20	25	41	8	33	28	33	94	23
25	31	42	8	33	29	29	94	27
26	33	41	6	32	26	31	91	26
26	33	34	7	32	29	25	93	28
30	30	36	..	49	46	40	82	20
33	33	36	..	49	47	38	85	17
33	33	34	..	48	45	42	83	17
33	33	24	..	47	44	40	83	17
43	43	..	..	53	60	44	..	11
47	47	..	..	60	73	41	..	14
40	40	..	..	61	74	43	..	15
50	50	..	..	57	72	37	..	20
30	40	44	15	40	21	20	91	13
31	45	36	11	41	24	19	89	16
32	47	36	13	41	25	21	87	17
33	45	38	13	43	28	21	89	14
22	62	22	13	62	40	59	106	13
20	65	15	13	55	51	38	94	13
22	66	22	13	57	49	44	95	13
21	66	19	13	55	47	37	104	13
50	51	61	5	26	19	25	88	25
52	53	43	28	26	22	17	88	24
53	54	46	17	26	19	22	90	24
56	58	27	15	26	24	12	93	24
55	55	15	..	44	11	46	78	25
55	56	16	..	45	12	53	66	32
54	55	10	..	43	14	43	74	27
55	56	8	..	47	17	45	83	30
33	49	59	9	44	20	32	95	19
30	47	64	9	41	19	32	79	21
26	49	43	9	36	36	28	72	17
26	53	41	10	35	29	27	70	20
11	11	54	9	39	28	18	73	22
9	9	39	8	35	23	14	72	21
19	19	53	34	34	23	17	67	19
20	20	7	10	34	21	19	71	16
32	55	57	13	41	40	20	73	29
31	60	50	14	42	39	21	85	30
30	61	44	13	42	41	19	86	25
31	61	49	15	39	37	19	86	26
29	47	41	10	45	48	36	..	41
28	47	40	11	46	50	32	..	41
27	46	40	11	48	53	35	..	41
30	53	41	13	48	54	35	..	38

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
American Samoa	2014	41	43	..	..	..	9	..
	2015	41	43	..	..	..	9	..
	2016	43	45	..	..	..	11	..
	2017	43	46	..	..	..	11	..
Australia	2014	42	48	25	..	31	9	11
	2015	42	51	19	..	31	10	11
	2016	44	53	21	..	32	11	0
	2017	44	55	22	..	30	13	11
Cook Islands	2014	37	42	..	..	..	16	..
	2015	26	28	..	..	..	15	..
	2016	28	30	..	..	..	19	..
	2017	31	34	..	..	..	18	..
Fiji	2014	32	32	34	..	5	..	..
	2015	35	39	34	..	6	..	..
	2016	34	30	44	..	2	..	..
	2017	34	34	41	..	1	..	..
French Polynesia	2014	31	26	50	..	..	28	..
	2015	31	26	50	..	..	28	..
	2016	28	24	54	..	..	6	..
	2017	28	25	52	..	..	7	..
Guam	2014	35	35	..	..	..	..	..
	2015	39	41	..	..	..	10	..
	2016	39	40	..	..	21	23	..
	2017	45	46	..	..	21	23	..
Kiribati	2014	38	45	..	..	..	..	..
	2015	35	39	..	..	..	15	..
	2016	33	38	..	..	..	19	..
	2017	33	38	..	..	..	19	..
Marshall Islands	2014	29	29	..	..	..	23	..
	2015	27	27	..	..	..	11	..
	2016	26	27	..	..	..	11	..
	2017	26	27	..	..	..	11	..
Micronesia (Fed. States of)	2014	23	24	0	..	..	16	..
	2015	22	24	1	..	..	16	..
	2016	22	24	1	..	..	16	..
	2017	23	24	1	..	..	16	..
Nauru	2014	46	48	..	..	..	6	..
	2015	46	48	..	..	..	6	..
	2016	55	60	..	..	..	6	..
	2017	53	57	..	..	..	20	..
New Caledonia	2014	50	54	42	..	18	14	..
	2015	33	33	50	..	19	11	..
	2016	36	37	34	..	14	13	..
	2017	36	36	53	..	10	25	..
New Zealand	2014	51	40	52	..	37	10	89
	2015	53	45	52	..	39	11	94
	2016	54	38	55	..	38	12	95
	2017	54	46	53	..	35	12	95
Niue	2014	15	17	..	..	..	2	..
	2015	16	18	..	..	..	2	..
	2016	16	18	..	..	..	2	..
	2017	16	18	..	..	..	2	..
Northern Mariana Islands	2014	51	51	..	..	..	..	..
	2015	52	52	..	..	..	..	..
	2016	47	47	..	..	..	..	..
	2017	46	46	..	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	41	43	..	..	9
..	..	..	..	41	43	..	..	9
..	..	..	..	43	45	..	..	11
..	..	..	..	43	46	..	..	11
26	45	..	9	44	49	25	..	31
26	45	..	10	45	51	19	..	31
25	44	..	10	47	54	21	..	31
28	52	..	12	48	55	22	..	29
..	..	..	..	37	42	..	..	16
..	..	..	..	26	28	..	..	15
..	..	..	..	28	30	..	..	19
..	..	..	..	31	34	..	..	18
11	11	..	..	36	40	34	..	5
7	7	..	..	39	48	34	..	6
3	3	..	..	38	37	44	..	2
8	8	..	..	38	40	41	..	1
..	..	..	..	31	26	50	..	28
..	..	..	..	31	26	50	..	28
..	..	..	..	28	24	54	..	6
..	..	..	..	28	25	52	..	7
..	..	..	..	35	35	..	..	..
..	..	..	..	39	41	..	..	9
..	..	..	..	39	40	..	..	23
..	..	..	..	45	46	..	..	23
23	23	..	..	40	49	..	..	..
23	23	..	..	36	41	..	..	15
21	21	..	..	34	41	..	..	19
21	21	..	..	34	41	..	..	19
..	..	..	..	29	29	..	..	23
..	..	..	..	27	27	..	..	11
..	..	..	..	26	27	..	..	11
..	..	..	..	26	27	..	..	11
..	..	..	..	23	24	0	..	16
..	..	..	..	22	24	1	..	16
..	..	..	..	22	24	1	..	16
..	..	..	..	23	24	1	..	16
..	..	..	..	46	48	..	..	6
..	..	..	..	46	48	..	..	6
..	..	..	..	55	60	..	..	6
..	..	..	..	53	57	..	..	20
..	..	..	..	55	60	42	..	18
..	..	..	..	35	35	50	..	18
..	..	..	..	38	40	34	..	14
..	..	..	..	38	39	53	..	13
60	65	15	36	50	38	52	..	67
58	66	15	30	53	43	52	..	71
54	63	15	27	54	36	55	..	71
52	65	15	24	54	44	53	..	70
..	..	..	..	15	17	..	..	2
..	..	..	..	16	18	..	..	2
..	..	..	..	16	18	..	..	2
..	..	..	..	16	18	..	..	2
..	..	..	..	51	51	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	46	46	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Palau	2014	34	34	..	..	..	..	..
	2015	33	34	..	..	..	..	..
	2016	27	28	..	..	..	2	..
	2017	27	28	..	..	..	2	..
Papua New Guinea	2014	55	55	47	..	..	..	86
	2015	58	60	46	..	..	..	91
	2016	59	62	46	..	..	..	90
	2017	59	66	39	..	..	..	86
Samoa	2014	38	42	29	..	..	7	..
	2015	35	44	32	..	4	6	..
	2016	38	45	34	..	4	22	..
	2017	36	44	31	..	11	23	..
Solomon Islands	2014	29	29	..	..	..	25	..
	2015	30	30	..	..	..	25	..
	2016	32	32	..	..	..	25	..
	2017	32	33	34	..	..	13	..
Tonga	2014	40	43	..	..	17	18	..
	2015	38	40	..	..	11	23	..
	2016	35	36	..	..	10	22	..
	2017	30	37	..	..	1	8	..
Tuvalu	2014	21	21	..	..	..	..	..
	2015	21	21	..	..	..	23	..
	2016	18	29	..	..	..	11	..
	2017	19	29	..	..	11	13	..
Vanuatu	2014	24	24	67	..	11	21	..
	2015	23	21	67	..	21	29	..
	2016	25	24	67	..	21	23	..
	2017	26	24	67	..	21	24	..
Wallis and Futuna Is.	2014	19	19	16	..	..	10	..
	2015	24	24	16	..	..	10	..
	2016	26	26	17	..	..	10	..
	2017	25	26	19	..	..	10	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
35	35	..	..	34	34	..	..	..
35	35	..	..	33	34	..	..	..
35	35	..	..	27	28	..	..	2
40	40	..	..	26	27	..	..	2
61	62	42	86	40	28	50	..	..
65	67	40	91	41	28	50	..	..
67	70	41	90	41	30	49	..	..
63	64	42	86	52	75	37	..	..
..	..	..	..	40	47	29	..	7
..	..	..	..	37	49	32	..	6
..	..	..	..	40	50	34	..	21
..	..	..	..	38	49	31	..	22
18	18	..	..	31	31	..	..	25
21	21	..	..	31	32	..	..	25
21	21	..	..	34	34	..	..	25
21	21	..	..	34	35	34	..	13
..	..	..	..	40	43	..	..	18
..	..	..	..	38	40	..	..	23
..	..	..	..	35	36	..	..	22
..	..	..	..	30	37	..	..	8
..	..	..	..	21	21	..	..	..
..	..	..	..	21	21	..	..	23
..	..	..	..	18	29	..	..	11
..	..	..	..	19	29	..	..	13
..	..	..	..	24	24	67	..	12
..	..	..	..	23	21	67	..	22
..	..	..	..	25	24	67	..	21
..	..	..	..	26	24	67	..	22
..	..	..	..	19	19	16	..	10
..	..	..	..	24	24	16	..	10
..	..	..	..	26	26	17	..	10
..	..	..	..	25	26	19	..	10

Production of electricity - by type

Gigawatt-hours

Table Notes

For this table, **Other** under total producers refers to geothermal, tide, wave, marine, electricity from chemical heat, and other non-specified sources. **Other** under autoproducers refers to nuclear (if any), wind, solar, tide, wave, marine, electricity from chemical heat, and other non-specified sources. **Other** under main activity producers refers to wind, solar, tide, wave, marine, electricity from chemical heat, and other non-specified sources.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 75: World electricity generation by source, 1990-2017

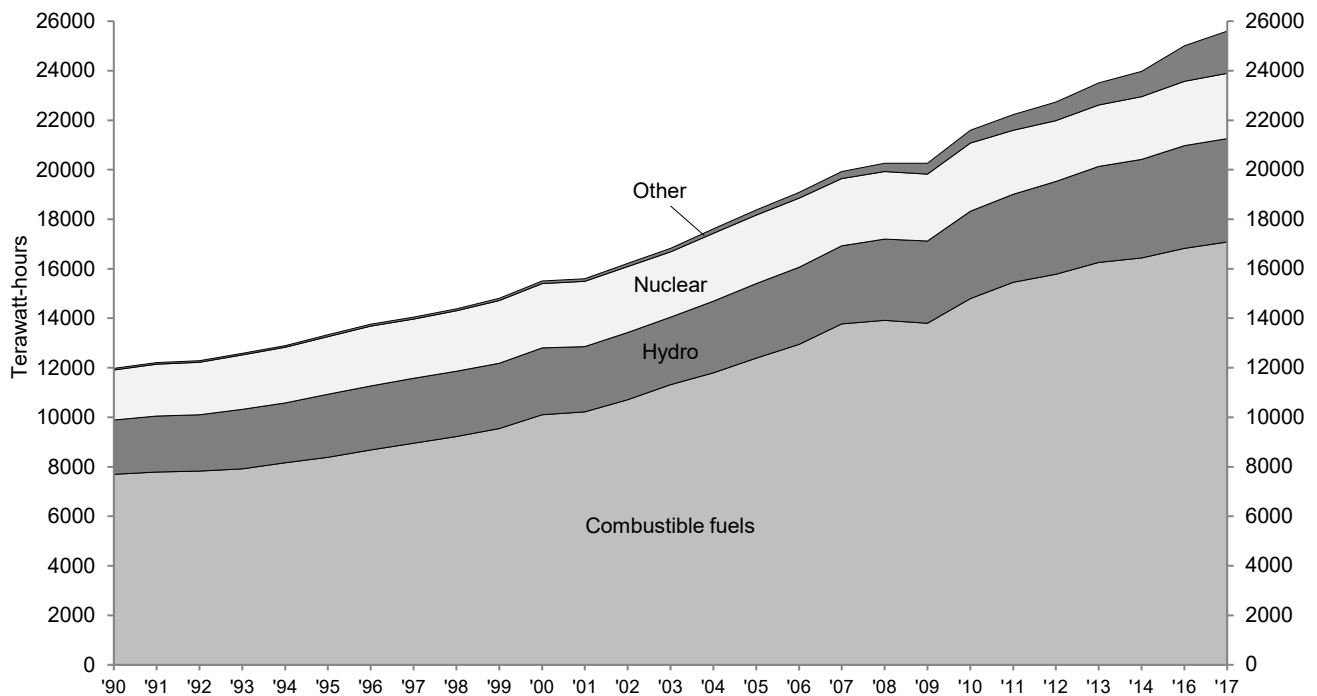


Figure 76: World production of electricity by source and region, 2017

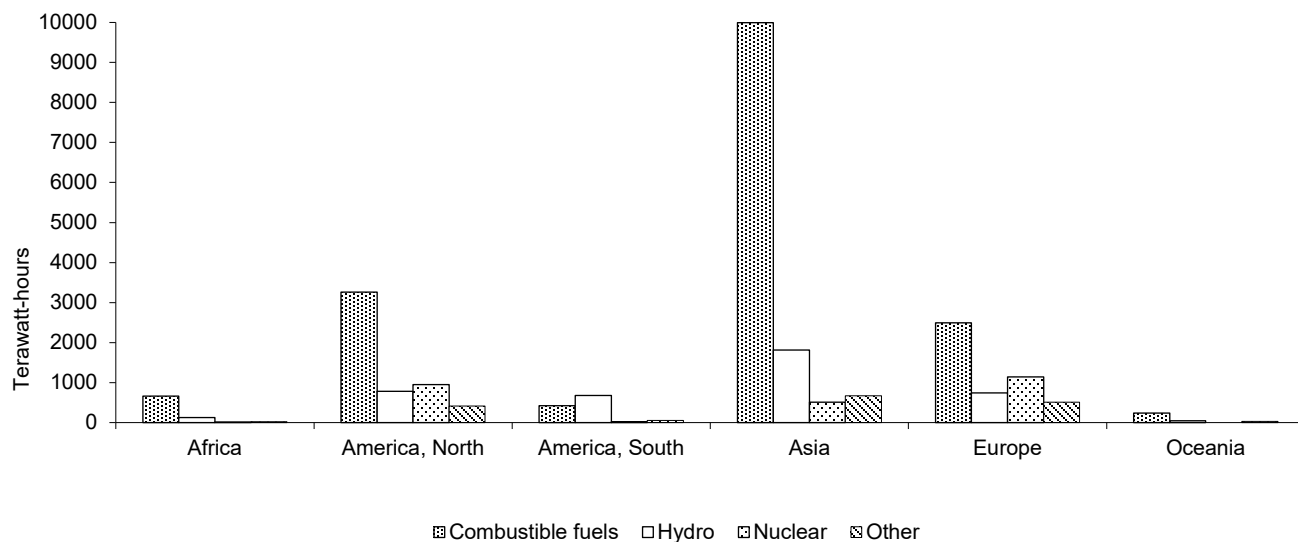


Figure 77: Major countries producing electricity from combustible fuels, 2017

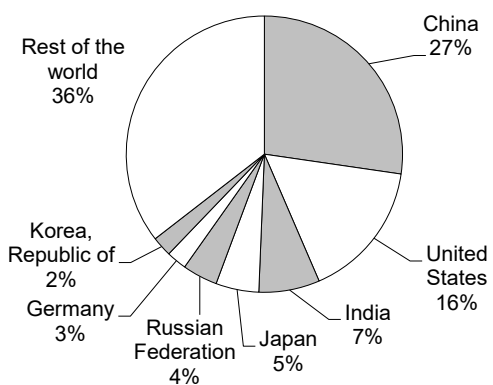


Figure 78: Major countries producing hydro electricity, 2017

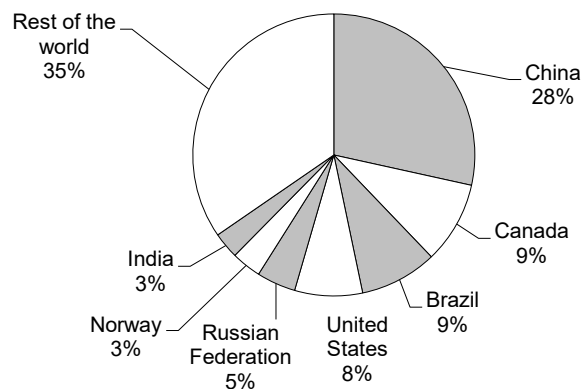


Figure 79: Major countries producing nuclear electricity, 2017

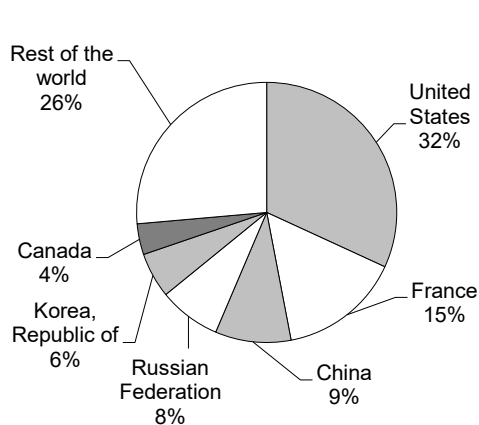


Figure 80: Major countries producing electricity from other sources, 2017

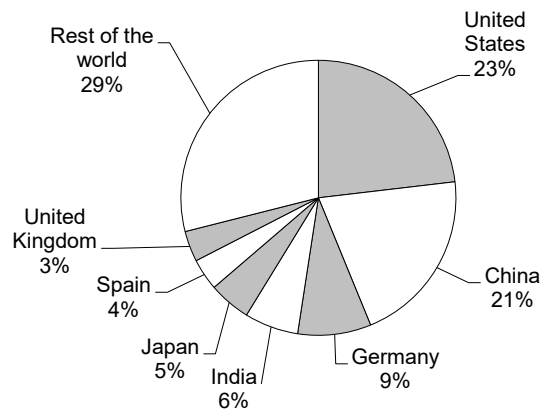


Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2014	23,977,550	16,436,169	3,980,236	2,534,933	707,449	183,820	134,942
	2015	24,376,517	16,630,188	3,974,534	2,571,369	825,955	250,696	123,774
	2016	25,004,716	16,821,322	4,149,029	2,605,719	947,940	319,381	161,327
	2017	25,599,352	17,079,993	4,181,385	2,632,891	1,113,817	418,558	172,708
Africa	2014	773,886	621,368	126,927	13,794	5,583	1,765	4,449
	2015	793,076	640,513	122,832	12,237	7,846	3,577	6,072
	2016	815,619	659,651	119,949	15,026	10,292	4,643	6,057
	2017	828,642	664,746	125,816	14,193	11,968	5,581	6,338
Algeria	2014	64,242	63,988	254	..	..	..	..
	2015	68,798	68,576	145	..	19	58	..
	2016	70,839	70,661	145	..	19	14	..
	2017	76,018	75,383	*517	..	*68	*50	..
Angola	2014	9,480	4,439	5,041	..	..	..	..
	2015	9,765	4,572	5,193	..	..	..	..
	2016	10,361	4,546	5,815	..	..	..	..
	2017	10,719	3,066	7,653	..	..	..	..
Benin	2014	239	239	..	..	..	..	..
	2015	330	324	1	..	..	5	..
	2016	276	266	5	..	..	5	..
	2017	331	325	1	..	..	5	..
Botswana	2014	2,315	2,314	..	..	..	1	..
	2015	*2,967	*2,966	..	..	..	1	..
	2016	2,688	2,686	..	..	..	2	..
	2017	3,022	3,020	..	..	..	2	..
Burkina Faso	2014	870	780	90	..	..	..	..
	2015	999	906	93	..	..	..	..
	2016	973	834	140	..	..	..	..
	2017	1,095	958	128	..	..	9	..
Burundi	2014	180	40	140	..	..	..	..
	2015	172	35	137	..	..	..	..
	2016	174	31	143	..	..	..	..
	2017	184	84	100	..	..	..	..
Cabo Verde	2014	409	338	..	..	66	5	..
	2015	421	336	..	..	78	6	..
	2016	444	361	..	..	77	6	..
	2017	492	409	..	..	76	7	..
Cameroon	2014	7,115	2,546	4,562	..	..	7	..
	2015	7,953	3,584	4,359	..	..	10	..
	2016	7,961	3,756	4,193	..	..	12	..
	2017	8,196	3,991	4,193	..	..	12	..
Central African Rep.	2014	147	1	139	..	..	7	..
	2015	149	1	141	..	..	7	..
	2016	150	1	142	..	..	7	..
	2017	153	1	144	..	..	8	..
Chad	2014	*225	*225	..	..	..	..	..
	2015	*228	*228	..	..	..	..	..
	2016	*230	*230	..	..	..	..	..
	2017	*230	*230	..	..	..	..	..
Comoros	2014	*53	*53	..	..	..	..	..
	2015	*53	*53	..	..	..	..	..
	2016	*58	*58	..	..	..	..	..
	2017	*92	*92	..	..	..	..	..
Congo	2014	1,996	788	952	..	..	256	..
	2015	3,298	1,624	1,098	..	..	576	..
	2016	3,494	1,791	1,127	..	..	576	..
	2017	4,022	2,243	1,203	..	..	576	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
1,896,479	1,690,102	94,312	112,066	22,081,071	14,746,068	3,885,924	2,534,933	914,146
2,099,920	1,859,272	100,420	140,227	22,276,597	14,770,916	3,874,114	2,571,369	1,060,198
2,028,795	1,789,047	82,851	156,897	22,975,921	15,032,275	4,066,178	2,605,719	1,271,750
2,059,430	1,802,483	76,566	180,381	23,539,922	15,277,510	4,104,819	2,632,891	1,524,703
39,158	34,297	1,057	3,804	734,728	587,071	125,870	13,794	7,993
45,947	39,036	627	6,284	747,129	601,478	122,205	12,237	11,210
50,928	42,241	546	8,142	764,690	617,411	119,403	15,026	12,850
54,259	43,504	988	9,766	774,383	621,242	124,828	14,193	14,121
3,742	3,742	..	..	60,500	60,246	254	..	..
4,135	4,135	..	..	64,663	64,441	145	..	77
4,764	4,764	..	..	66,075	65,897	145	..	33
5,120	5,120	..	..	70,898	70,263	*517	..	*118
546	546	..	..	8,934	3,893	5,041	..	..
562	562	..	..	9,203	4,010	5,193	..	..
596	596	..	..	9,765	3,950	5,815	..	..
430	430	..	..	10,289	2,636	7,653	..	..
112	112	..	..	127	127	..	..	..
112	112	..	..	218	212	1	..	5
96	96	..	..	180	170	5	..	5
98	98	..	..	233	227	1	..	5
..	..	..	..	2,315	2,314	..	..	1
..	..	..	..	*2,967	*2,966	..	..	1
..	..	..	..	2,688	2,686	..	..	2
..	..	..	..	3,022	3,020	..	..	2
..	..	..	..	870	780	90	..	..
..	..	..	..	999	906	93	..	..
..	..	..	..	973	834	140	..	..
..	..	..	..	1,095	958	128	..	9
*6	*6	..	..	174	34	140	..	..
*6	*6	..	..	166	29	137	..	..
*7	*7	..	..	167	24	143	..	..
*10	*10	..	..	174	74	100	..	..
1	1	..	..	408	338	..	..	71
*1	*1	..	..	420	336	..	..	85
*1	*1	..	..	443	361	..	..	83
*1	*1	..	..	491	408	..	..	83
2,133	2,133	..	..	4,982	413	4,562	..	7
3,205	3,205	..	..	4,748	379	4,359	..	10
3,368	3,368	..	..	4,593	388	4,193	..	12
3,593	3,593	..	..	4,603	398	4,193	..	12
..	..	..	..	147	1	139	..	7
..	..	..	..	149	1	141	..	7
..	..	..	..	150	1	142	..	7
..	..	..	..	153	1	144	..	8
..	..	..	..	*225	*225	..	..	..
..	..	..	..	*228	*228	..	..	..
..	..	..	..	*230	*230	..	..	..
..	..	..	..	*230	*230	..	..	..
..	..	..	..	*53	*53	..	..	..
..	..	..	..	*53	*53	..	..	..
..	..	..	..	*58	*58	..	..	..
..	..	..	..	*92	*92	..	..	..
788	788	..	..	1,208	..	952	..	256
1,624	1,624	..	..	1,674	..	1,098	..	576
1,791	1,791	..	..	1,703	..	1,127	..	576
2,243	2,243	..	..	1,779	..	1,203	..	576

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2014	8,286	6,373	1,913	..	..	..	..
	2015	8,711	7,359	1,352	..	..	..	..
	2016	10,253	8,724	1,529	..	..	..	..
	2017	10,121	8,074	2,047	..	..	..	..
Dem. Rep. of the Congo	2014	8,850	30	8,820	..	..	..	..
	2015	8,953	37	8,916	..	..	..	..
	2016	9,135	36	9,099	..	..	..	..
	2017	9,510	28	9,482	..	..	..	..
Djibouti	2014	100	100	..	..	..	..	..
	2015	178	178	..	..	..	..	..
	2016	88	88	..	..	..	..	..
	2017	*59	*59	..	..	..	..	..
Egypt	2014	180,377	164,864	13,822	..	1,444	247	..
	2015	187,479	172,449	13,432	..	1,345	253	..
	2016	199,927	184,241	13,460	..	2,058	168	..
	2017	194,992	179,362	12,850	..	2,200	580	..
Equatorial Guinea	2014	833	633	*200	..	..	..	..
	2015	848	648	*200	..	..	..	..
	2016	*850	*650	*200	..	..	..	..
	2017	*850	*650	*200	..	..	..	..
Eritrea	2014	387	383	..	..	2	2	..
	2015	398	394	..	..	2	2	..
	2016	405	401	..	..	2	2	..
	2017	425	421	..	..	2	2	..
Eswatini	2014	567	265	302	..	..	..	..
	2015	*496	*265	231	..	..	..	..
	2016	388	265	123	..	..	..	..
	2017	414	297	117	..	..	0	..
Ethiopia	2014	9,585	*54	9,013	..	499	..	19
	2015	10,577	*49	9,674	..	759	95	..
	2016	12,690	*45	11,753	..	782	110	..
	2017	13,982	*45	12,957	..	862	118	..
Gabon	2014	1,998	1,202	794	..	..	2	..
	2015	2,127	1,207	918	..	..	2	..
	2016	2,336	1,381	953	..	..	2	..
	2017	2,284	1,388	894	..	..	2	..
Gambia	2014	*281	*281	..	..	..	..	..
	2015	*297	*297	..	..	..	..	..
	2016	*314	*314	..	..	..	..	..
	2017	*322	*322	..	..	..	..	..
Ghana	2014	13,143	4,752	8,387	..	..	4	..
	2015	11,672	5,824	5,845	..	..	3	..
	2016	13,203	7,615	5,561	..	..	27	..
	2017	14,248	8,604	5,616	..	..	28	..
Guinea	2014	712	287	426	..	..	..	..
	2015	1,118	741	377	..	..	..	..
	2016	1,596	1,200	395	..	..	..	..
	2017	1,753	1,325	428	..	..	..	..
Guinea-Bissau	2014	*35	*35	..	..	..	..	..
	2015	*36	*36	..	..	..	..	..
	2016	*38	*38	..	..	..	..	..
	2017	*39	*39	..	..	..	..	..
Kenya	2014	9,139	2,635	3,569	..	17	..	2,917
	2015	9,515	1,462	*3,472	..	60	..	4,521
	2016	9,971	1,471	3,960	..	56	..	4,484
	2017	10,129	2,534	2,777	..	61	..	4,756

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
72	72	..	..	8,214	6,301	1,913	..	..
105	105	..	..	8,606	7,254	1,352	..	..
173	173	..	..	10,080	8,551	1,529	..	..
173	173	..	..	9,948	7,901	2,047	..	..
26	26	0	..	8,824	4	8,820	..	..
25	25	0	..	8,928	12	8,916	..	..
24	24	0	..	9,111	12	9,099	..	..
180	22	158	..	9,330	6	9,324	..	..
..	..	..	..	100	100	..	..	..
..	..	..	..	178	178	..	..	..
..	..	..	..	88	88	..	..	..
..	..	..	..	*59	*59	..	..	..
*5,502	*5,502	..	..	174,875	159,362	13,822	..	1,691
*5,502	*5,502	..	..	181,977	166,947	13,432	..	1,598
*5,600	*5,600	..	..	194,327	178,641	13,460	..	2,226
*5,600	*5,600	..	..	189,392	173,762	12,850	..	2,780
..	..	..	..	833	633	*200	..	..
..	..	..	..	848	648	*200	..	..
..	..	..	..	*850	*650	*200	..	..
..	..	..	..	*850	*650	*200	..	..
11	11	..	..	376	372	..	..	4
11	11	..	..	387	383	..	..	4
11	11	..	..	394	390	..	..	4
12	12	..	..	413	409	..	..	4
265	265	..	..	302	0	302	..	..
*265	*265	..	..	231	0	231	..	..
265	265	..	..	123	0	123	..	..
297	297	..	..	117	..	117	..	0
..	..	..	..	9,585	*54	9,013	..	518
..	..	..	..	10,577	*49	9,674	..	854
..	..	..	..	12,690	*45	11,753	..	892
..	..	..	..	13,982	*45	12,957	..	980
214	212	..	2	1,784	990	794	..	..
220	218	..	2	1,907	989	918	..	..
224	222	..	2	2,112	1,159	953	..	..
225	223	..	2	2,059	1,165	894	..	..
*31	*31	..	..	*250	*250	..	..	..
*31	*31	..	..	*266	*266	..	..	..
*32	*32	..	..	*282	*282	..	..	..
*32	*32	..	..	*290	*290	..	..	..
*180	*180	..	..	12,963	4,572	8,387	..	4
*180	*180	..	..	11,492	5,644	5,845	..	3
*180	*180	..	..	13,023	7,435	5,561	..	27
*180	*180	..	..	14,068	8,424	5,616	..	28
161	161	..	..	552	126	426	..	..
677	677	..	..	441	64	377	..	..
1,167	1,167	..	..	429	34	395	..	..
1,250	1,250	..	..	503	76	428	..	..
*8	*8	..	..	*27	*27	..	..	..
*8	*8	..	..	*28	*28	..	..	..
*8	*8	..	..	*30	*30	..	..	..
*8	*8	..	..	*30	*30	..	..	..
..	..	..	..	9,139	2,635	3,569	..	2,934
..	..	..	..	9,515	1,462	*3,472	..	4,580
..	..	..	..	9,971	1,471	3,960	..	4,541
..	..	..	..	10,129	2,534	2,777	..	4,818

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Lesotho	2014	515	..	515	..	..	..	..
	2015	532	..	532	..	..	..	..
	2016	508	0	508	..	..	..	..
	2017	502	*1	501	..	..	..	..
Liberia	2014	*340	*300	*40	..	..	..	..
	2015	*350	*310	*40	..	..	..	..
	2016	*440	*400	*40	..	..	..	..
	2017	*437	*397	*40	..	..	..	..
Libya	2014	37,739	37,731	..	..	..	8	..
	2015	37,721	37,713	..	..	..	8	..
	2016	36,430	36,422	..	..	..	8	..
	2017	36,797	36,789	..	..	..	8	..
Madagascar	2014	1,658	774	884	..	..	0	..
	2015	1,712	777	935	..	..	0	..
	2016	1,867	980	887	..	..	0	..
	2017	1,971	1,182	789	..	..	0	..
Malawi	2014	*2,151	*181	*1,970	..	..	..	..
	2015	*2,136	*183	*1,953	..	..	..	..
	2016	*2,160	*183	*1,977	..	..	..	..
	2017	*1,991	*183	*1,809	..	..	..	..
Mali	2014	1,626	*629	997	..	..	..	..
	2015	1,772	*758	1,012	..	..	2	..
	2016	1,965	*861	1,102	..	..	2	..
	2017	*1,972	*865	*1,105	..	..	*2	..
Mauritania	2014	851	808	..	..	13	30	..
	2015	1,002	868	..	..	104	30	..
	2016	1,006	875	..	..	111	21	..
	2017	*867	*684	..	..	*101	*82	..
Mauritius	2014	2,936	2,817	91	..	3	25	..
	2015	2,996	2,845	122	..	3	26	..
	2016	3,028	2,894	100	..	4	30	..
	2017	3,132	2,988	90	..	15	39	..
Morocco	2014	29,384	24,125	2,033	..	1,924	..	1,302
	2015	31,217	25,108	2,282	..	2,519	6	1,302
	2016	32,141	25,776	1,662	..	3,000	401	1,302
	2017	33,192	26,875	1,565	..	3,035	415	1,302
Mozambique	2014	17,739	1,379	16,359	..	..	1	..
	2015	19,641	2,547	17,093	..	..	1	..
	2016	18,697	3,103	15,592	..	..	2	..
	2017	16,992	2,930	14,060	..	..	2	..
Namibia	2014	1,498	13	1,485	..	..	..	..
	2015	1,536	34	1,502	..	..	..	..
	2016	1,421	62	1,359	..	..	..	..
	2017	1,659	66	1,593	..	..	..	..
Niger	2014	521	512	..	..	..	10	..
	2015	522	511	..	..	..	11	..
	2016	442	428	..	..	..	13	..
	2017	566	552	..	..	..	15	..
Nigeria	2014	32,275	26,907	5,346	..	..	22	..
	2015	32,463	26,721	5,718	..	..	24	..
	2016	31,831	26,219	5,586	..	..	26	..
	2017	32,249	26,696	5,527	..	..	26	..
Rwanda	2014	478	268	205	..	..	5	..
	2015	526	228	284	..	..	14	..
	2016	636	344	278	..	..	14	..
	2017	698	354	328	..	..	16	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	515	..	515	..	..
..	..	..	..	532	..	532	..	..
..	..	..	..	508	0	508	..	..
..	..	..	..	502	*1	501	..	..
*200	*200	..	..	*140	*100	*40	..	..
*205	*205	..	..	*145	*105	*40	..	..
*265	*265	..	..	*175	*135	*40	..	..
*280	*280	..	..	*157	*117	*40	..	..
..	..	..	..	37,739	37,731	..	..	8
..	..	..	..	37,721	37,713	..	..	8
..	..	..	..	36,430	36,422	..	..	8
..	..	..	..	36,797	36,789	..	..	8
*170	*170	..	..	1,488	604	884	..	0
*170	*170	..	..	1,542	607	935	..	0
*215	*215	..	..	1,652	765	887	..	0
269	269	..	..	1,702	913	789	..	0
*181	*176	*5	..	*1,970	*5	*1,965	..	..
*183	*178	*5	..	*1,953	*5	*1,948	..	..
*183	*178	*5	..	*1,977	*5	*1,972	..	..
*183	*178	*5	..	*1,809	*5	*1,804	..	..
*52	*52	..	..	1,574	*577	997	..	..
*60	*60	..	..	1,712	*698	1,012	..	2
*60	*60	..	..	1,905	*801	1,102	..	2
*60	*60	..	..	*1,912	*805	*1,105	..	*2
326	326	..	..	525	482	..	..	43
*340	*340	..	..	662	528	..	..	134
360	360	..	..	646	515	..	..	132
*268	*268	..	..	*599	*416	..	..	*183
1,761	1,736	..	25	1,175	1,081	91	..	3
1,738	1,712	..	26	1,258	1,133	122	..	3
1,813	1,782	..	30	1,215	1,112	100	..	4
1,843	1,804	..	39	1,288	1,184	90	..	15
1,439	137	..	1,302	27,945	23,988	2,033	..	1,924
1,362	60	..	1,302	29,855	25,048	2,282	..	2,525
1,302	..	..	1,302	30,839	25,776	1,662	..	3,401
1,302	..	..	1,302	31,890	26,875	1,565	..	3,450
468	..	467	1	17,271	1,379	15,892	..	..
170	54	114	1	19,471	2,493	16,978	..	..
77	58	17	2	18,620	3,045	15,575	..	..
323	39	282	2	16,669	2,891	13,778	..	..
..	..	..	..	1,498	13	1,485	..	..
..	..	..	..	1,536	34	1,502	..	..
..	..	..	..	1,421	62	1,359	..	..
..	..	..	..	1,659	66	1,593	..	..
50	40	..	10	472	472	..	..	..
26	15	..	11	496	496	..	..	..
26	13	..	13	415	415	..	..	..
25	10	..	15	541	541	..	..	..
6,028	5,897	109	22	26,247	21,010	5,237	..	..
5,999	5,858	117	24	26,464	20,863	5,601	..	..
5,890	5,750	114	26	25,941	20,469	5,472	..	..
5,993	5,854	113	26	26,256	20,842	5,414	..	..
*2	*2	..	..	476	266	205	..	5
*2	*2	..	..	524	226	284	..	14
*2	*2	..	..	634	342	278	..	14
*2	*2	..	..	696	352	328	..	16

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sao Tome and Principe	2014	*77	*70	8	..	..	..	..
	2015	*81	*75	7	..	..	..	..
	2016	86	79	*7	..	..	..	..
	2017	*90	*83	*7	..	..	..	..
Senegal	2014	3,575	3,542	..	..	..	4	29
	2015	3,818	3,779	..	..	..	4	35
	2016	4,097	4,044	..	..	..	6	47
	2017	4,493	4,360	..	..	..	86	47
Seychelles	2014	445	438	..	..	7	1	..
	2015	462	454	..	..	7	2	..
	2016	496	487	..	..	7	2	..
	2017	513	503	..	..	7	3	..
Sierra Leone	2014	181	63	118	..	..	..	..
	2015	*260	*71	*189	..	..	..	..
	2016	*303	*84	*219	..	..	..	..
	2017	*303	*84	*219	..	..	..	..
Somalia	2014	350	350	..	..	..	..	..
	2015	350	350	..	..	..	..	..
	2016	350	350	..	..	..	..	..
	2017	*350	*350	..	..	..	..	..
South Africa	2014	252,578	232,516	4,082	13,794	1,100	1,086	..
	2015	249,655	228,825	3,720	12,237	2,500	2,373	..
	2016	252,747	226,927	3,994	15,026	3,700	3,100	..
	2017	255,134	227,191	5,350	14,193	5,090	3,310	..
South Sudan	2014	490	488	..	..	..	2	..
	2015	578	576	..	..	..	2	..
	2016	606	604	..	..	..	2	..
	2017	542	539	..	..	..	3	..
St. Helena and Depend.	2014	10	9	..	..	1	0	..
	2015	10	8	..	..	2	0	..
	2016	11	8	..	..	2	1	..
	2017	11	9	..	..	2	1	..
Sudan	2014	11,492	2,579	8,913	..	..	..	..
	2015	13,158	4,738	8,420	..	..	..	..
	2016	14,540	6,489	8,051	..	..	..	..
	2017	15,659	6,312	9,347	..	..	..	..
Togo	2014	358	233	125	..	..	..	..
	2015	444	383	61	..	..	..	..
	2016	950	742	208	..	..	..	..
	2017	690	485	205	..	..	..	..
Tunisia	2014	19,024	18,254	56	..	507	25	182
	2015	19,676	18,904	69	..	448	41	214
	2016	19,808	19,002	45	..	474	63	224
	2017	20,589	19,758	17	..	449	133	232
Uganda	2014	3,551	307	3,244	..	..	..	..
	2015	3,473	245	3,228	..	..	..	..
	2016	3,535	244	3,287	..	..	4	..
	2017	3,856	392	3,441	..	..	23	..
United Rep. of Tanzania	2014	6,216	3,611	2,590	..	..	15	..
	2015	6,487	4,364	2,108	..	..	15	..
	2016	7,895	5,511	2,366	..	..	18	..
	2017	7,978	5,609	2,350	..	..	19	..
Zambia	2014	14,455	413	14,042	..	..	..	..
	2015	13,440	405	13,035	..	..	..	..
	2016	11,695	670	11,025	..	..	..	..
	2017	14,185	1,987	12,198	..	..	..	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	*77	*70	8	..	..
..	..	..	..	*81	*75	7	..	..
..	..	..	..	86	79	*7	..	..
..	..	..	..	*90	*83	*7	..	..
666	633	..	33	2,909	2,909	..	..	..
713	674	..	39	3,105	3,105	..	..	..
858	805	..	53	3,239	3,239	..	..	..
991	858	..	133	3,502	3,502	..	..	..
*83	*83	..	..	363	355	..	..	8
*85	*85	..	..	378	369	..	..	8
*86	*86	..	..	409	400	..	..	9
*89	*89	..	..	424	414	..	..	10
..	..	..	..	181	63	118	..	..
*4	*4	..	..	*256	*67	*189	..	..
*4	*4	..	..	*299	*80	*219	..	..
*4	*4	..	..	*299	*80	*219	..	..
..	..	..	..	350	350	..	..	..
..	..	..	..	350	350	..	..	..
..	..	..	..	350	350	..	..	..
..	..	..	..	*350	*350	..	..	..
12,177	9,867	124	2,186	240,401	222,649	3,958	13,794	..
16,264	11,543	113	4,608	233,391	217,282	3,607	12,237	265
19,074	12,545	121	6,408	233,673	214,382	3,873	15,026	392
21,215	13,192	162	7,861	233,919	213,999	5,188	14,193	539
255	254	..	1	235	234	..	..	1
332	331	..	1	246	245	..	..	1
348	347	..	1	258	257	..	..	1
39	37	..	2	503	502	..	..	1
..	..	..	..	10	9	..	..	1
..	..	..	..	10	8	..	..	2
..	..	..	..	11	8	..	..	3
..	..	..	..	11	9	..	..	3
116	116	..	..	11,376	2,463	8,913	..	..
111	111	..	..	13,047	4,627	8,420	..	..
111	111	..	..	14,429	6,378	8,051	..	..
117	117	..	..	15,542	6,195	9,347	..	..
11	11	..	..	347	222	125	..	..
12	12	..	..	432	371	61	..	..
13	13	..	..	937	729	208	..	..
13	13	..	..	677	472	205	..	..
*767	*560	..	207	18,257	17,694	56	..	507
985	730	..	255	18,691	18,174	69	..	448
1,174	887	..	287	18,634	18,115	45	..	474
1,187	822	..	365	19,402	18,936	17	..	449
566	214	353	..	2,985	93	2,891	..	..
449	171	278	..	3,024	74	2,950	..	..
466	178	289	..	3,069	66	2,999	..	4
418	150	268	..	3,438	242	3,173	..	23
15	..	..	15	6,201	3,611	2,590	..	..
15	..	..	15	6,472	4,364	2,108	..	..
18	..	..	18	7,877	5,511	2,366	..	..
19	..	..	19	7,959	5,609	2,350	..	..
..	..	..	..	14,455	413	14,042	..	..
..	..	..	..	13,440	405	13,035	..	..
..	..	..	..	11,695	670	11,025	..	..
..	..	..	..	14,185	1,987	12,198	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Zimbabwe	2014	9,812	4,410	5,402	..	..	..	..
	2015	9,522	4,583	4,939	..	..	..	..
	2016	7,090	4,175	2,915	..	..	..	..
	2017	7,544	3,575	3,969	..	..	..	..
America, North	2014	5,435,057	3,481,303	726,689	947,541	215,939	28,255	35,330
	2015	5,431,643	3,473,030	708,389	943,674	232,381	39,595	34,575
	2016	5,448,966	3,397,498	735,133	951,628	274,731	55,601	34,375
	2017	5,403,962	3,260,351	779,951	950,856	301,066	77,599	34,139
Anguilla	2014	90	90	..	..	..	..	..
	2015	95	94	..	..	..	0	..
	2016	104	103	..	..	..	*1	..
	2017	80	80	..	..	..	0	..
Antigua and Barbuda	2014	*338	*336	..	..	..	2	..
	2015	*347	*340	..	..	..	7	..
	2016	*353	*344	..	..	..	9	..
	2017	*353	*344	..	..	..	9	..
Aruba	2014	*917	*778	..	..	*138	..	..
	2015	*932	*793	..	..	*138	..	..
	2016	*947	*808	..	..	*138	..	..
	2017	*978	*840	..	..	*138	..	..
Bahamas	2014	1,922	1,922	..	..	..	..	..
	2015	1,998	1,998	..	..	..	..	..
	2016	1,966	1,966	..	..	..	..	..
	2017	*1,987	*1,987	..	..	..	..	..
Barbados	2014	1,031	1,021	..	..	..	10	..
	2015	1,043	1,029	..	..	..	14	..
	2016	1,075	1,045	..	..	..	30	..
	2017	1,071	1,041	..	..	..	*30	..
Belize	2014	*455	*199	*256	..	..	..	..
	2015	*464	*228	*236	..	..	..	..
	2016	*487	*226	*261	..	..	..	..
	2017	*556	*285	271	..	..	..	..
Bermuda	2014	661	661	..	..	..	..	..
	2015	674	674	..	..	..	..	..
	2016	665	665	..	..	..	..	..
	2017	673	673	..	..	..	..	..
Bonaire, St Eustatius, Saba	2014	120	79	..	..	41	..	..
	2015	127	87	..	..	40	..	..
	2016	137	95	..	..	38	*5	..
	2017	142	101	..	..	35	*5	..
British Virgin Islands	2014	199	197	..	..	*1	*1	..
	2015	*210	*208	..	..	*1	*1	..
	2016	*212	*211	..	..	*1	*1	..
	2017	*149	*148	..	..	*1	0	..
Canada	2014	660,826	144,037	382,574	107,280	22,538	2,120	2,277
	2015	666,580	152,983	382,293	101,809	26,446	2,895	154
	2016	666,621	144,388	387,208	101,143	30,463	3,265	154
	2017	658,399	132,060	392,647	101,112	28,775	3,573	232
Cayman Islands	2014	621	621	..	..	..	..	..
	2015	640	640	..	..	..	..	..
	2016	666	666	..	..	..	..	..
	2017	671	671	..	..	..	..	..
Costa Rica	2014	10,216	1,224	6,717	..	735	2	1,538
	2015	10,812	287	8,067	..	1,080	3	1,376
	2016	10,880	365	8,026	..	1,147	2	1,340
	2017	11,332	222	8,677	..	1,288	28	1,118

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
29	29	..	..	9,783	4,381	5,402	..	..
54	54	..	..	9,468	4,529	4,939	..	..
278	278	..	..	6,812	3,897	2,915	..	..
167	167	..	..	7,377	3,408	3,969	..	..
288,136	235,895	34,498	17,744	5,146,921	3,245,409	692,191	947,541	261,780
308,827	247,250	37,734	23,844	5,122,816	3,225,780	670,655	943,674	282,707
313,328	247,850	34,973	30,505	5,135,638	3,149,648	700,160	951,628	334,202
315,450	248,025	32,914	34,511	5,088,513	3,012,327	747,038	950,856	378,292
..	..	..	..	90	90	..	..	..
..	..	..	..	95	94	..	..	0
..	..	..	..	104	103	..	..	*1
..	..	..	..	80	80	..	..	0
*1	*1	..	..	*337	*335	..	..	2
*1	*1	..	..	*346	*339	..	..	7
*1	*1	..	..	*352	*343	..	..	9
*1	*1	..	..	*352	*343	..	..	9
..	..	..	..	*917	*778	..	..	*138
..	..	..	..	*932	*793	..	..	*138
..	..	..	..	*947	*808	..	..	*138
..	..	..	..	*978	*840	..	..	*138
*74	*74	..	..	1,848	1,848	..	..	..
*76	*76	..	..	1,922	1,922	..	..	..
*76	*76	..	..	1,890	1,890	..	..	..
*75	*75	..	..	*1,912	*1,912	..	..	..
*14	*14	..	..	1,017	1,007	..	..	10
17	17	..	..	1,026	1,012	..	..	14
18	18	..	..	1,058	1,028	..	..	30
17	17	..	..	1,053	1,023	..	..	*30
*169	*169	..	..	*286	*30	*256	..	..
*198	*198	..	..	*267	*31	*236	..	..
*196	*196	..	..	*292	*31	*261	..	..
*253	*253	..	..	303	*32	271	..	..
*12	*12	..	..	649	649	..	..	..
*12	*12	..	..	662	662	..	..	..
*12	*12	..	..	653	653	..	..	..
*11	*11	..	..	662	662	..	..	..
..	..	..	..	120	79	..	..	41
..	..	..	..	127	87	..	..	40
..	..	..	..	137	95	..	..	43
..	..	..	..	142	101	..	..	40
..	..	..	..	199	197	..	..	*2
..	..	..	..	*210	*208	..	..	*2
..	..	..	..	*212	*211	..	..	*2
..	..	..	..	*149	*148	..	..	*1
60,621	29,405	31,046	170	600,205	114,632	351,528	107,280	26,765
71,451	37,480	33,671	300	595,129	115,503	348,622	101,809	29,195
66,625	33,847	30,926	1,852	599,996	110,541	356,282	101,143	32,030
57,483	25,030	30,288	2,165	600,916	107,030	362,359	101,112	30,415
..	..	..	..	621	621	..	..	..
..	..	..	..	640	640	..	..	..
..	..	..	..	666	666	..	..	..
..	..	..	..	671	671	..	..	..
2,359	181	1,338	840	7,858	1,043	5,379	..	1,436
3,014	179	1,810	1,024	7,797	108	6,256	..	1,433
2,851	172	1,610	1,070	8,028	193	6,416	..	1,420
210	185	0	25	11,123	37	8,677	..	2,408

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Cuba	2014	19,366	19,225	104	..	*19	*18	..
	2015	20,288	20,190	48	..	*21	*29	..
	2016	20,459	20,334	64	..	*21	*39	..
	2017	20,558	20,394	83	..	*21	*60	..
Curaçao	2014	872	659	..	..	200	13	..
	2015	843	626	..	..	200	17	..
	2016	884	655	..	..	200	29	..
	2017	891	547	..	..	313	31	..
Dominica	2014	147	117	31	..	..	..	..
	2015	151	127	24	..	..	..	..
	2016	156	120	36	..	..	..	..
	2017	130	103	27	..	..	..	..
Dominican Republic	2014	17,167	15,634	1,271	..	243	18	..
	2015	17,922	16,654	945	..	290	32	..
	2016	18,690	16,773	1,519	..	323	75	..
	2017	19,036	16,309	2,196	..	390	140	..
El Salvador	2014	6,223	2,947	1,718	..	..	..	1,558
	2015	5,996	3,096	1,353	..	..	7	1,540
	2016	6,011	3,150	1,261	..	..	24	1,576
	2017	5,467	2,115	1,619	..	..	164	1,569
Greenland	2014	488	92	396	..	..	..	..
	2015	520	97	423	..	..	..	..
	2016	490	89	401	..	..	..	..
	2017	518	130	388	..	..	..	..
Grenada	2014	201	200	..	..	..	0	..
	2015	207	207	..	..	..	0	..
	2016	218	218	..	..	..	0	..
	2017	227	227	..	..	..	0	..
Guatemala	2014	10,638	5,531	4,853	..	..	7	247
	2015	11,157	6,769	3,880	..	107	149	252
	2016	11,789	7,122	3,971	..	215	192	289
	2017	12,272	5,816	5,787	..	218	198	253
Haiti	2014	1,033	943	90	..	..	..	..
	2015	1,038	955	83	..	..	..	..
	2016	1,084	1,013	71	..	..	..	..
	2017	1,056	928	127	..	..	1	..
Honduras	2014	8,398	5,398	2,602	..	398	..	..
	2015	8,965	5,543	2,340	..	665	417	..
	2016	8,783	4,978	2,350	..	574	881	..
	2017	9,345	4,662	3,088	..	578	924	93
Jamaica	2014	4,123	3,869	135	..	119	..	..
	2015	4,206	3,953	128	..	125	..	..
	2016	4,342	4,002	118	..	207	15	..
	2017	4,360	3,873	154	..	289	44	..
Mexico	2014	301,496	240,279	38,893	9,677	6,426	221	6,000
	2015	310,712	253,005	30,815	11,577	8,745	239	6,331
	2016	320,565	262,310	30,698	10,567	10,378	464	6,148
	2017	322,063	261,726	31,982	10,883	10,442	1,085	5,945
Montserrat	2014	*24	*24	..	..	..	..	..
	2015	*24	*24	..	..	..	..	..
	2016	*20	*20	..	..	..	..	..
	2017	*19	*19	..	..	..	..	..
Nicaragua	2014	4,454	2,550	395	..	846	1	662
	2015	4,580	2,740	295	..	865	2	678
	2016	4,591	2,728	426	..	729	2	706
	2017	4,525	2,657	468	..	635	14	751

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
838	838	..	..	18,529	18,387	104	..	*37
898	898	..	..	19,390	19,292	48	..	*50
949	949	..	..	19,509	19,385	64	..	*60
963	963	..	..	19,595	19,431	83	..	*81
462	462	..	..	410	197	..	..	213
457	457	..	..	386	169	..	..	217
468	468	..	..	416	187	..	..	229
472	472	..	..	419	75	..	..	344
*45	*45	..	..	102	72	31	..	..
*44	*44	..	..	107	83	24	..	..
*44	*44	..	..	112	75	36	..	..
*44	*44	..	..	86	58	27	..	..
2,003	1,980	4	18	15,164	13,654	1,267	..	243
1,974	1,936	5	32	15,948	14,718	940	..	290
1,962	1,905	6	51	16,728	14,869	1,513	..	347
1,919	1,821	6	92	17,117	14,489	2,190	..	438
650	650	..	..	5,573	2,297	1,718	..	1,558
712	705	..	7	5,284	2,391	1,353	..	1,540
765	741	..	24	5,246	2,409	1,261	..	1,576
867	798	..	69	4,600	1,317	1,619	..	1,664
..	..	..	..	488	92	396	..	..
..	..	..	..	520	97	423	..	..
..	..	..	..	490	89	401	..	..
..	..	..	..	518	130	388	..	..
1	1	..	..	200	200	..	..	0
1	1	..	..	206	206	..	..	0
2	2	..	..	217	217	..	..	0
2	2	..	..	225	225	..	..	0
856	827	28	..	9,782	4,703	4,825	..	254
856	827	28	..	10,302	5,942	3,852	..	508
911	891	20	..	10,878	6,231	3,951	..	696
783	761	22	..	11,490	5,055	5,765	..	669
90	90	..	..	943	853	90	..	..
207	207	..	..	831	748	83	..	..
210	210	..	..	874	803	71	..	..
213	213	..	..	843	715	127	..	1
278	278	..	..	8,120	5,120	2,602	..	398
478	478	..	..	8,487	5,065	2,340	..	1,082
388	388	..	..	8,395	4,590	2,350	..	1,455
330	330	..	..	9,015	4,332	3,088	..	1,595
1,661	1,542	..	119	2,462	2,327	135	..	..
1,678	1,553	..	125	2,528	2,400	128	..	..
1,786	1,564	..	222	2,556	2,438	118	..	..
1,827	1,494	..	333	2,533	2,379	154	..	..
43,238	37,933	748	4,557	258,258	202,346	38,145	9,677	8,090
47,991	40,620	764	6,607	262,721	212,385	30,051	11,577	8,708
54,364	45,079	893	8,392	266,201	217,231	29,805	10,567	8,598
62,985	52,566	942	9,477	259,078	209,160	31,040	10,883	7,995
..	..	..	..	*24	*24	..	..	..
..	..	..	..	*24	*24	..	..	..
..	..	..	..	*20	*20	..	..	..
..	..	..	..	*19	*19	..	..	..
545	544	1	..	3,909	2,006	394	..	1,509
509	508	1	..	4,071	2,232	294	..	1,545
589	588	1	..	4,002	2,140	425	..	1,437
711	711	0	..	3,814	1,946	468	..	1,400

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Panama	2014	9,287	4,136	5,034	..	116	1	..
	2015	10,295	3,604	6,257	..	419	16	..
	2016	10,885	3,666	6,523	..	625	71	..
	2017	11,054	3,141	7,256	..	491	156	9
Puerto Rico	2014	21,316	20,969	81	..	218	48	..
	2015	21,160	20,771	56	..	239	94	..
	2016	20,894	20,505	71	..	193	*125	..
	2017	16,582	16,212	51	..	*194	*125	..
Sint Maarten (Dutch part)	2014	*358	*358	..	..	..	..	..
	2015	*369	*369	..	..	..	..	..
	2016	*376	*376	..	..	..	..	..
	2017	*346	*346	..	..	..	..	..
St. Kitts-Nevis	2014	*221	*211	..	..	*8	*2	..
	2015	*217	*207	..	..	*8	*2	..
	2016	*228	*217	..	..	8	3	..
	2017	*217	*206	..	..	8	3	..
St. Lucia	2014	379	379	..	..	..	..	..
	2015	381	381	..	..	..	..	..
	2016	391	391	..	..	..	..	..
	2017	400	400	..	..	..	..	..
St. Pierre-Miquelon	2014	48	48	..	..	0	..	..
	2015	49	49	..	..	0	..	..
	2016	49	49	..	..	0	..	..
	2017	49	49	..	..	..	..	..
St. Vincent-Grenadines	2014	141	129	12	..	..	..	..
	2015	145	129	17	..	..	..	..
	2016	152	136	16	..	..	..	..
	2017	*153	*137	*16	..	..	..	..
Trinidad and Tobago	2014	9,895	9,891	..	..	..	4	..
	2015	10,300	10,296	..	..	..	4	..
	2016	10,712	10,708	..	..	..	4	..
	2017	11,033	11,029	..	..	..	4	..
Turks and Caicos Islands	2014	*227	*227	..	..	..	..	..
	2015	*239	*239	..	..	..	..	..
	2016	*250	*250	..	..	..	..	..
	2017	*238	*236	..	..	..	*2	..
United States	2014	4,340,371	2,995,556	281,527	830,584	183,892	25,764	23,048
	2015	4,317,159	2,962,870	271,129	830,288	192,992	35,635	24,245
	2016	4,322,038	2,886,040	292,113	839,918	229,471	50,334	24,162
	2017	4,286,423	2,770,050	325,114	838,861	257,249	70,980	24,169
United States Virgin Is.	2014	*788	*766	..	..	..	*22	..
	2015	*797	*766	..	..	..	*31	..
	2016	*795	*765	..	..	..	*30	..
	2017	*611	*589	..	..	..	*21	..
America, South	2014	1,154,922	452,536	664,691	21,134	15,526	743	292
	2015	1,161,913	462,327	648,791	21,873	27,249	1,671	1
	2016	1,167,501	432,510	666,833	24,149	40,816	3,191	1
	2017	1,178,909	424,513	675,715	21,827	51,574	5,214	65
Argentina	2014	138,551	90,825	41,335	5,756	619	16	..
	2015	145,363	96,159	41,451	7,139	599	15	..
	2016	146,353	99,479	38,028	*8,285	547	14	..
	2017	145,618	97,257	41,645	6,088	612	16	..
Bolivia (Plur. State of)	2014	8,561	6,296	2,251	..	8	6	..
	2015	9,123	6,637	2,463	..	12	11	..
	2016	9,409	7,643	1,720	..	35	11	..
	2017	9,964	7,659	2,234	..	60	11	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
31	31	..	..	9,256	4,105	5,034	..	118
34	34	..	..	10,262	3,570	6,257	..	435
32	32	..	..	10,853	3,634	6,523	..	697
32	32	..	..	11,022	3,109	7,256	..	657
*250	*250	..	..	21,066	20,719	81	..	266
*250	*250	..	..	20,910	20,521	56	..	333
*250	*250	..	..	20,644	20,255	71	..	318
*210	*210	..	..	16,372	16,002	51	..	*319
..	..	..	..	*358	*358	..	..	..
..	..	..	..	*369	*369	..	..	..
..	..	..	..	*376	*376	..	..	..
..	..	..	..	*346	*346	..	..	..
*1	*1	..	..	*220	*210	..	..	*10
*1	*1	..	..	*216	*206	..	..	*10
*1	*1	..	..	*227	*216	..	..	11
*1	*1	..	..	*216	*205	..	..	11
..	..	..	..	379	379	..	..	..
..	..	..	..	381	381	..	..	..
..	..	..	..	391	391	..	..	..
..	..	..	..	400	400	..	..	..
..	..	..	..	48	48	..	..	0
..	..	..	..	49	49	..	..	0
..	..	..	..	49	49	..	..	0
..	..	..	..	49	49	..	..	..
..	..	..	..	141	129	12	..	..
..	..	..	..	145	129	17	..	..
..	..	..	..	152	136	16	..	..
..	..	..	..	*153	*137	*16	..	..
82	82	..	..	9,813	9,809	..	..	4
85	85	..	..	10,215	10,211	..	..	4
88	88	..	..	10,624	10,620	..	..	4
91	91	..	..	10,942	10,938	..	..	4
..	..	..	..	*227	*227	..	..	..
..	..	..	..	*239	*239	..	..	..
..	..	..	..	*250	*250	..	..	..
..	..	..	..	*238	*236	..	..	*2
173,841	160,485	1,332	12,024	4,166,530	2,835,071	280,195	830,584	220,680
177,864	160,682	1,454	15,728	4,139,295	2,802,188	269,675	830,288	237,144
180,721	160,329	1,517	18,875	4,141,317	2,725,711	290,596	839,918	285,092
185,936	161,944	1,656	22,336	4,100,487	2,608,106	323,458	838,861	330,062
*16	..	..	*16	*772	*766	..	..	*6
*20	..	..	*20	*777	*766	..	..	*11
*19	..	..	*19	*776	*765	..	..	*11
*14	..	..	*14	*597	*589	..	..	*8
133,741	109,396	24,302	42	1,021,181	343,140	640,389	21,134	16,518
137,310	113,966	23,274	70	1,024,603	348,361	625,517	21,873	28,852
141,640	117,637	23,920	83	1,025,861	314,873	642,913	24,149	43,926
142,122	120,513	21,520	89	1,036,787	304,001	654,194	21,827	56,765
14,213	14,176	37	..	124,338	76,649	41,298	5,756	635
13,961	13,934	27	..	131,402	82,225	41,424	7,139	614
14,827	14,781	46	..	131,526	84,698	37,982	*8,285	561
14,744	14,698	46	..	130,874	82,559	41,599	6,088	628
192	186	..	6	8,369	6,110	2,251	..	8
201	190	..	11	8,922	6,447	2,463	..	12
299	288	..	11	9,110	7,355	1,720	..	35
269	258	..	11	9,695	7,401	2,234	..	60

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Brazil	2014	590,542	189,498	373,439	15,378	12,211	16	..
	2015	581,228	185,066	359,743	14,734	21,626	59	..
	2016	578,897	148,549	380,911	15,864	33,488	85	..
	2017	589,327	159,662	370,906	15,739	42,354	666	..
Chile	2014	70,753	45,440	23,099	..	1,443	480	291
	2015	75,387	48,130	23,881	..	2,115	1,261	0
	2016	79,308	50,946	23,274	..	2,449	2,639	0
	2017	79,416	50,602	21,315	..	3,521	3,914	64
Colombia	2014	72,846	27,936	44,852	..	58	..	..
	2015	75,151	30,272	44,821	..	58	..	..
	2016	74,583	27,605	46,927	..	51	..	..
	2017	75,125	17,641	57,476	..	3	5	..
Ecuador	2014	24,307	12,753	11,458	..	80	16	..
	2015	25,950	12,719	13,096	..	99	36	..
	2016	27,314	11,357	15,834	..	84	39	..
	2017	28,033	7,833	20,089	..	73	37	..
Falkland Is. (Malvinas)	2014	18	13	..	..	5	..	..
	2015	19	14	..	..	5	..	..
	2016	21	15	..	..	6	..	..
	2017	20	14	..	..	5	..	..
Guyana	2014	980	979	..	..	..	*1	..
	2015	1,039	1,038	..	..	..	*1	..
	2016	1,082	1,081	..	..	..	*1	..
	2017	1,127	1,124	..	..	..	*2	..
Paraguay	2014	55,282	6	55,276	..	..	..	..
	2015	55,744	1	55,743	..	..	..	..
	2016	63,771	1	63,770	..	..	..	..
	2017	59,685	2	59,684	..	..	..	..
Peru	2014	45,508	22,882	22,171	..	256	199	..
	2015	48,277	23,729	23,722	..	596	230	..
	2016	52,720	26,630	24,785	..	1,064	241	..
	2017	52,743	22,265	29,075	..	1,073	330	..
Suriname	2014	2,073	1,276	797	..	..	..	..
	2015	2,084	1,378	702	..	..	*4	..
	2016	2,027	1,239	783	..	..	*4	..
	2017	2,117	1,187	926	..	..	*4	..
Uruguay	2014	13,008	2,623	9,649	..	733	3	..
	2015	13,733	3,351	8,268	..	2,065	49	..
	2016	13,886	2,897	7,842	..	2,994	152	..
	2017	14,319	2,803	7,518	..	3,775	224	..
Venezuela (Bolivar. Rep.)	2014	132,492	52,009	80,364	..	113	5	1
	2015	128,815	53,832	74,902	..	74	5	1
	2016	118,130	55,068	62,959	..	98	5	1
	2017	121,415	*56,464	64,847	..	*98	*5	*1
Asia	2014	11,528,553	9,222,874	1,608,797	379,463	201,216	49,394	66,808
	2015	11,866,287	9,365,615	1,687,283	430,379	238,778	90,485	53,747
	2016	12,393,387	9,604,463	1,784,048	476,522	301,306	135,886	91,162
	2017	12,985,804	9,995,935	1,812,074	507,202	367,684	199,506	103,403
Afghanistan	2014	*1,049	*154	*895	..	..	..	..
	2015	*1,034	*144	*890	..	..	..	..
	2016	*1,076	*150	*927	..	..	..	..
	2017	*1,098	*168	*930	..	..	..	..
Armenia	2014	7,750	3,289	1,992	2,465	4	..	..
	2015	7,799	2,801	2,206	2,788	3	1	..
	2016	7,315	2,581	2,350	2,381	2	1	..
	2017	7,766	2,872	2,269	2,620	2	3	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
94,032	71,933	22,088	11	496,510	117,565	351,351	15,378	12,216
96,306	75,190	21,070	46	484,922	109,876	338,673	14,734	21,639
98,537	77,063	21,412	62	480,360	71,486	359,499	15,864	33,511
98,180	79,569	18,593	18	491,147	80,093	352,313	15,739	43,002
5,912	5,734	159	19	64,841	39,706	22,940	..	2,195
6,221	6,174	44	3	69,166	41,956	23,837	..	3,373
6,976	6,815	161	0	72,332	44,131	23,113	..	5,088
7,384	7,338	44	2	72,032	43,264	21,271	..	7,497
8,559	8,420	139	..	64,287	19,516	44,713	..	58
8,613	8,474	*139	..	66,538	21,798	44,682	..	58
8,650	8,511	*139	..	65,933	19,094	46,788	..	51
8,568	8,420	148	..	66,557	9,221	57,328	..	8
3,831	3,308	522	..	20,476	9,445	10,935	..	96
4,194	3,496	697	..	21,756	9,223	12,399	..	135
4,771	4,041	730	..	22,543	7,316	15,104	..	123
5,142	4,061	1,082	..	22,891	3,772	19,008	..	111
*2	*2	..	..	16	11	..	..	5
*2	*2	..	..	17	12	..	..	5
*2	*2	..	..	19	13	..	..	6
*2	*2	..	..	18	12	..	..	5
202	202	..	..	778	777	..	..	*1
289	289	..	..	750	749	..	..	*1
292	292	..	..	790	789	..	..	*1
303	303	..	..	823	821	..	..	*2
..	..	..	..	55,282	6	55,276	..	..
..	..	..	..	55,744	1	55,743	..	..
..	..	..	..	63,771	1	63,770	..	..
..	..	..	..	59,685	2	59,684	..	..
2,664	2,104	560	..	42,844	20,778	21,611	..	455
2,558	1,963	595	..	45,719	21,766	23,127	..	826
2,255	1,606	649	..	50,465	25,024	24,136	..	1,305
2,399	1,674	682	43	50,344	20,591	28,393	..	1,360
1,322	525	797	..	751	751	..	..	..
1,322	620	702	..	762	757	..	..	*4
1,450	667	783	..	577	573	..	..	*4
1,451	525	926	..	666	662	..	..	*4
1,280	1,274	..	6	11,728	1,349	9,649	..	730
1,604	1,595	..	10	12,128	1,756	8,268	..	2,104
1,612	1,602	..	10	12,274	1,295	7,842	..	3,137
1,651	1,636	..	15	12,668	1,167	7,518	..	3,983
1,533	1,533	..	..	130,959	50,476	80,364	..	119
2,038	2,038	..	..	126,777	51,794	74,902	..	80
1,969	1,969	..	..	116,161	53,099	62,959	..	104
2,028	2,028	..	..	119,387	*54,436	64,847	..	*104
1,069,862	986,787	22,894	60,181	10,458,691	8,236,087	1,585,904	379,463	257,237
1,214,311	1,113,224	27,753	73,335	10,651,976	8,252,391	1,659,531	430,379	309,674
1,114,130	1,023,338	12,590	78,202	11,279,257	8,581,125	1,771,458	476,522	450,152
1,122,502	1,022,130	10,828	89,544	11,863,301	8,973,804	1,801,245	507,202	581,050
*307	*5	*302	..	*742	*149	*593	..	..
*305	*5	*300	..	*729	*139	*590	..	..
*318	*5	*313	..	*759	*145	*614	..	..
*322	*8	*314	..	*776	*160	*616	..	..
..	..	..	..	7,750	3,289	1,992	2,465	4
..	..	..	..	7,799	2,801	2,206	2,788	4
..	..	..	..	7,315	2,581	2,350	2,381	3
..	..	..	..	7,766	2,872	2,269	2,620	5

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Azerbaijan	2014	24,728	23,423	1,300	..	2	3	..
	2015	24,688	23,041	1,637	..	5	5	..
	2016	24,953	22,936	1,959	..	23	35	..
	2017	24,320	22,515	1,746	..	22	37	..
Bahrain	2014	27,203	27,203	..	..	..	..	..
	2015	28,461	28,452	..	..	..	9	..
	2016	28,479	28,469	..	..	1	9	..
	2017	29,193	29,183	..	..	*1	*9	..
Bangladesh	2014	55,880	55,108	623	..	4	145	..
	2015	59,045	58,287	600	..	4	154	..
	2016	68,911	67,721	1,020	..	5	165	..
	2017	73,158	71,935	1,041	..	5	177	..
Bhutan	2014	7,164	0	7,164	..	..	..	..
	2015	7,747	0	7,747	..	..	..	..
	2016	7,954	0	7,953	..	1	..	..
	2017	7,730	0	7,728	..	1	..	..
Brunei Darussalam	2014	4,506	4,504	..	..	..	2	..
	2015	4,200	4,198	..	..	..	2	..
	2016	4,270	4,269	..	..	..	1	..
	2017	4,158	4,156	..	..	..	2	..
Cambodia	2014	3,062	1,207	1,852	..	..	3	..
	2015	4,397	2,394	2,000	..	..	3	..
	2016	5,594	2,972	2,619	..	..	3	..
	2017	6,998	4,260	2,733	..	..	5	..
China	2014	5,649,583	4,268,649	1,064,337	132,538	156,078	15,189	12,792
	2015	5,814,573	4,284,188	1,130,270	170,789	185,766	38,776	4,784
	2016	6,145,886	4,437,068	1,193,374	213,287	237,071	61,586	*3,500
	2017	6,495,143	4,662,739	1,189,840	248,070	295,023	96,721	2,750
China, Hong Kong SAR	2014	39,803	39,803	..	..	..	..	..
	2015	37,924	37,924	..	..	..	..	..
	2016	38,154	38,154	..	..	..	..	..
	2017	36,970	36,970	..	..	..	..	..
China, Macao SAR	2014	641	641	..	..	..	..	..
	2015	962	962	..	..	..	..	..
	2016	988	988	..	..	..	..	..
	2017	1,465	1,465	..	..	..	..	..
Cyprus	2014	4,350	4,084	..	..	182	84	..
	2015	4,533	4,186	..	..	221	126	..
	2016	4,887	4,515	..	..	226	146	..
	2017	5,004	4,621	..	..	211	172	..
Georgia	2014	10,371	2,036	8,335	..	..	..	..
	2015	10,833	2,379	8,454	..	..	..	..
	2016	11,574	2,236	9,329	..	9	..	..
	2017	11,531	2,233	9,210	..	88	..	..
India	2014	1,308,873	1,111,341	129,353	36,102	27,057	5,020	..
	2015	1,354,382	1,158,338	121,546	37,414	30,045	7,039	..
	2016	1,432,358	1,188,280	122,507	37,916	35,530	12,578	*35,547
	2017	1,490,293	1,217,575	126,271	38,346	38,486	24,613	*45,002
Indonesia	2014	234,549	199,993	18,800	..	..	7	15,749
	2015	267,287	240,698	17,595	..	..	5	8,989
	2016	233,367	201,209	21,475	..	6	21	10,656
	2017	*283,647	*251,766	18,632	..	*6	29	13,214
Iran (Islamic Rep. of)	2014	274,437	255,870	13,862	4,472	186	0	47
	2015	280,633	263,393	14,090	2,914	221	1	14
	2016	289,108	265,799	16,421	6,620	250	4	*14
	2017	307,982	285,012	15,051	7,514	306	85	*14

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
2,022	2,022	..	..	22,706	21,401	1,300	..	5
2,137	2,137	..	..	22,551	20,904	1,637	..	10
2,254	2,237	..	17	22,699	20,699	1,959	..	41
2,089	2,070	..	20	22,231	20,445	1,746	..	40
10,989	10,989	..	..	16,214	16,214	..	..	..
11,269	11,269	..	..	17,192	17,183	..	..	9
11,423	11,423	..	..	17,056	17,046	..	..	10
11,244	11,244	..	..	17,949	17,939	..	..	*10
15,418	15,418	..	..	40,462	39,690	623	..	149
16,109	16,109	..	..	42,936	42,178	600	..	158
17,264	17,264	..	..	51,647	50,457	1,020	..	170
17,237	17,237	..	..	55,921	54,698	1,041	..	182
..	..	..	..	7,164	0	7,164	..	..
..	..	..	..	7,747	0	7,747	..	..
..	..	..	..	7,954	0	7,953	..	1
..	..	..	..	7,730	0	7,728	..	1
496	496	..	..	4,010	4,008	..	..	2
462	462	..	..	3,738	3,736	..	..	2
427	427	..	..	3,843	3,842	..	..	1
433	433	..	..	3,725	3,723	..	..	2
..	..	..	..	3,062	1,207	1,852	..	3
..	..	..	..	4,397	2,394	2,000	..	3
..	..	..	..	5,594	2,972	2,619	..	3
..	..	..	..	6,998	4,260	2,733	..	5
346,187	346,187	..	..	5,303,396	3,922,462	1,064,337	132,538	184,059
347,448	347,448	..	..	5,467,125	3,936,740	1,130,270	170,789	229,326
359,846	359,846	..	..	5,786,040	4,077,222	1,193,374	213,287	302,157
378,148	378,148	..	..	6,116,995	4,284,591	1,189,840	248,070	394,494
..	..	..	..	39,803	39,803	..	..	..
..	..	..	..	37,924	37,924	..	..	..
..	..	..	..	38,154	38,154	..	..	..
..	..	..	..	36,970	36,970	..	..	..
206	206	..	..	435	435	..	..	..
209	209	..	..	753	753	..	..	..
201	201	..	..	787	787	..	..	..
205	205	..	..	1,260	1,260	..	..	..
78	58	..	20	4,272	4,026	..	..	246
86	44	..	42	4,447	4,142	..	..	305
98	46	..	52	4,789	4,469	..	..	320
108	47	..	61	4,896	4,574	..	..	322
..	..	..	..	10,371	2,036	8,335	..	..
..	..	..	..	10,833	2,379	8,454	..	..
..	..	..	..	11,574	2,236	9,329	..	9
..	..	..	..	11,531	2,233	9,210	..	88
*162,057	*159,837	*109	*2,111	1,146,816	951,504	129,244	36,102	29,966
*218,948	*215,325	*169	*3,454	1,135,434	943,013	121,377	37,414	33,630
198,432	194,764	129	*3,539	1,233,926	993,516	122,378	37,916	80,116
184,339	180,391	148	*3,800	1,305,954	1,037,184	126,123	38,346	104,301
59,252	49,515	3,984	5,753	175,297	150,478	14,816	..	10,003
110,260	98,471	7,590	4,199	157,027	142,227	10,005	..	4,796
66,909	52,603	7,590	6,716	166,458	148,606	13,885	..	3,967
58,901	43,997	6,207	8,697	*224,746	*207,769	12,425	..	4,552
6,270	6,270	..	..	268,167	249,600	13,862	4,472	233
6,440	6,440	..	..	274,193	256,953	14,090	2,914	236
6,482	6,482	..	..	282,626	259,317	16,421	6,620	268
7,905	7,905	..	..	300,077	277,107	15,051	7,514	405

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iraq	2014	67,768	64,837	2,931	..	..	..	..
	2015	*68,688	*66,116	*2,572	..	..	..	..
	2016	80,030	76,659	3,371	..	..	..	..
	2017	83,890	81,714	2,176	..	..	..	..
Israel	2014	60,813	59,954	13	..	6	840	..
	2015	64,226	63,080	24	..	7	1,115	..
	2016	66,976	65,432	0	..	0	1,544	..
	2017	67,675	65,742	0	..	180	1,511	242
Japan	2014	1,076,066	937,239	86,942	0	5,217	22,952	23,716
	2015	1,058,748	894,376	91,270	9,437	5,580	34,802	23,283
	2016	1,060,974	883,161	84,766	18,060	6,166	45,761	23,060
	2017	1,068,322	860,829	90,162	32,912	6,490	55,068	22,861
Jordan	2014	18,270	18,210	58	..	2	..	..
	2015	19,012	18,834	53	..	123	2	..
	2016	*19,730	*18,807	41	..	391	491	..
	2017	*20,760	*19,682	38	..	449	591	..
Kazakhstan	2014	105,068	96,791	8,263	..	13	1	..
	2015	106,468	97,020	9,269	..	132	47	..
	2016	106,626	94,644	11,620	..	274	88	..
	2017	103,128	91,485	11,210	..	339	94	..
Korea, Dem.Ppl's.Rep.	2014	17,909	4,909	13,000	..	..	..	..
	2015	13,737	3,737	10,000	..	..	..	..
	2016	16,926	4,126	12,800	..	..	..	..
	2017	15,163	3,263	11,900	..	..	..	..
Korea, Republic of	2014	550,934	381,511	7,820	156,407	1,146	2,557	1,493
	2015	552,697	375,110	5,796	164,762	1,342	3,975	1,712
	2016	562,603	385,386	6,634	161,995	1,683	5,123	1,782
	2017	566,881	400,148	7,006	148,427	2,169	7,057	2,074
Kuwait	2014	65,140	65,140	..	..	..	..	..
	2015	68,288	68,288	..	..	..	..	..
	2016	70,085	70,085	..	..	..	0	..
	2017	72,790	72,788	..	..	..	2	..
Kyrgyzstan	2014	14,572	1,274	13,298	..	..	..	..
	2015	13,030	1,930	11,100	..	..	..	..
	2016	13,262	1,768	11,494	..	..	..	..
	2017	15,514	1,311	14,203	..	..	..	..
Lao People's Dem. Rep.	2014	15,640	6	15,633	..	..	1	..
	2015	16,730	2,476	14,252	..	..	2	..
	2016	25,068	7,120	17,946	..	..	2	..
	2017	31,550	*11,683	19,858	..	..	9	..
Lebanon	2014	19,777	19,578	193	..	..	6	..
	2015	20,720	20,226	479	..	..	15	..
	2016	21,457	21,047	382	..	..	28	..
	2017	23,411	22,955	415	..	..	41	..
Malaysia	2014	147,461	133,846	13,388	..	..	227	..
	2015	150,123	135,926	13,924	..	..	273	..
	2016	156,665	136,336	20,019	..	..	310	..
	2017	164,509	137,599	26,580	..	..	330	..
Maldives	2014	543	535	..	..	2	6	..
	2015	602	594	..	..	2	6	..
	2016	651	639	..	..	2	10	..
	2017	*656	*640	..	..	2	14	..
Mongolia	2014	5,376	5,376	..	..	..	..	..
	2015	5,513	5,513	..	..	..	..	..
	2016	5,667	5,667	..	..	..	..	..
	2017	6,027	6,027	..	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	67,768	64,837	2,931	..	..
..	..	..	..	*68,688	*66,116	*2,572	..	..
..	..	..	..	80,030	76,659	3,371	..	..
..	..	..	..	83,890	81,714	2,176	..	..
3,335	2,490	5	840	57,478	57,464	8	..	6
3,743	2,619	9	1,115	60,483	60,461	15	..	7
4,069	2,525	0	1,544	62,907	62,907	0	..	0
4,266	2,333	0	1,933	63,409	63,409	0	..	0
221,363	155,333	16,687	49,343	854,703	781,906	70,255	0	2,542
234,496	156,911	16,469	61,116	824,252	737,465	74,801	9,437	2,549
147,211	83,656	2,847	60,708	913,763	799,505	81,919	18,060	14,279
149,830	80,091	2,255	67,484	918,492	780,738	87,907	32,912	16,935
383	383	..	..	17,887	17,827	58	..	2
471	471	..	..	18,540	18,363	53	..	125
*136	*136	..	..	*19,594	*18,671	41	..	882
*221	*221	..	..	*20,539	*19,461	38	..	1,040
1	..	..	1	105,067	96,791	8,263	..	13
1	..	..	1	106,467	97,020	9,269	..	178
1	..	..	1	106,625	94,644	11,620	..	361
1	..	..	1	103,127	91,485	11,210	..	432
..	..	..	..	17,909	4,909	13,000	..	..
..	..	..	..	13,737	3,737	10,000	..	..
..	..	..	..	16,926	4,126	12,800	..	..
..	..	..	..	15,163	3,263	11,900	..	..
32,972	32,467	..	505	517,962	349,044	7,820	156,407	4,691
29,862	29,219	..	643	522,835	345,891	5,796	164,762	6,386
35,013	34,224	..	789	527,590	351,162	6,634	161,995	7,799
33,652	32,687	..	965	533,229	367,461	7,006	148,427	10,335
..	..	..	..	65,140	65,140	..	..	..
..	..	..	..	68,288	68,288	..	..	..
0	..	..	0	70,085	70,085	..	..	..
2	..	..	2	72,788	72,788	..	..	..
20	20	..	..	14,552	1,254	13,298	..	..
24	24	..	..	13,006	1,906	11,100	..	..
26	26	..	..	13,236	1,742	11,494	..	..
15	15	..	..	15,499	1,296	14,203	..	..
..	..	..	..	15,640	6	15,633	..	1
..	..	..	..	16,730	2,476	14,252	..	2
..	..	..	..	25,068	7,120	17,946	..	2
..	..	..	..	31,550	*11,683	19,858	..	9
7,390	7,384	..	6	12,387	12,194	193	..	..
8,467	8,452	..	15	12,253	11,774	479	..	..
8,397	8,369	..	28	13,060	12,678	382	..	..
8,913	8,872	..	41	14,498	14,083	415	..	..
4,673	4,673	..	..	142,788	129,173	13,388	..	227
4,986	4,986	..	..	145,137	130,940	13,924	..	273
6,223	6,223	..	..	150,442	130,113	20,019	..	310
5,252	5,247	5	..	159,257	132,352	26,575	..	330
*208	*208	..	..	335	327	..	..	8
*208	*208	..	..	394	386	..	..	8
*219	*219	..	..	432	420	..	..	12
*220	*220	..	..	*436	*420	..	..	16
..	..	..	..	5,376	5,376	..	..	..
..	..	..	..	5,513	5,513	..	..	..
..	..	..	..	5,667	5,667	..	..	..
..	..	..	..	6,027	6,027	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Myanmar	2014	14,156	5,327	8,829	..	..	..	..
	2015	15,970	6,463	9,507	..	..	..	..
	2016	17,867	8,123	9,744	..	..	..	..
	2017	*19,477	*8,550	*10,927	..	..	..	..
Nepal	2014	3,508	10	3,498	..	..	..	..
	2015	3,503	..	3,496	..	6	1	..
	2016	4,244	..	4,237	..	6	1	..
	2017	4,639	..	4,632	..	6	1	..
Oman	2014	29,128	29,128	..	..	..	..	..
	2015	32,758	32,758	..	..	..	..	..
	2016	34,228	34,228	..	..	..	..	..
	2017	36,126	36,126	..	..	..	..	..
Other Asia	2014	260,025	208,145	7,439	42,389	1,500	552	..
	2015	258,025	211,648	7,505	36,471	1,525	876	..
	2016	264,682	220,569	9,856	31,661	1,464	1,132	..
	2017	268,406	233,758	8,780	22,446	1,730	1,692	..
Pakistan	2014	108,150	70,585	32,210	5,090	265	..	..
	2015	110,128	70,996	32,867	5,804	461	..	..
	2016	115,502	75,329	34,573	4,602	791	207	..
	2017	123,533	82,458	32,132	6,867	1,422	654	..
Philippines	2014	77,476	57,845	9,154	..	152	17	10,308
	2015	82,905	62,292	8,682	..	748	139	11,044
	2016	91,789	70,519	8,128	..	975	1,097	11,070
	2017	95,747	73,554	9,628	..	1,094	1,201	10,270
Qatar	2014	38,692	38,692	..	..	..	..	..
	2015	41,499	41,499	..	..	..	..	..
	2016	42,307	42,307	..	..	..	..	..
	2017	45,555	45,555	..	..	..	..	..
Saudi Arabia	2014	311,804	311,803	..	..	..	1	..
	2015	338,331	338,330	..	..	..	1	..
	2016	345,104	345,103	..	..	..	1	..
	2017	355,079	355,075	..	..	4	1	..
Singapore	2014	49,348	49,310	..	..	..	38	..
	2015	50,341	50,272	..	..	..	69	..
	2016	51,733	51,587	..	..	..	146	..
	2017	52,394	52,225	..	..	..	169	..
Sri Lanka	2014	12,862	7,986	4,563	..	275	39	..
	2015	13,227	6,854	5,969	..	344	60	..
	2016	14,364	9,721	4,221	..	347	75	..
	2017	15,004	10,381	4,039	..	367	217	..
State of Palestine	2014	340	337	..	..	..	3	..
	2015	515	506	..	..	..	9	..
	2016	537	495	..	..	..	43	..
	2017	546	501	..	..	..	45	..
Syrian Arab Republic	2014	21,726	18,726	3,000	..	..	..	..
	2015	17,881	17,468	413	..	..	..	..
	2016	18,112	17,183	929	..	..	..	..
	2017	18,231	17,477	754	..	..	..	..
Tajikistan	2014	16,472	160	16,312	..	..	..	..
	2015	17,162	302	16,860	..	..	..	..
	2016	17,232	608	16,624	..	..	..	..
	2017	18,144	1,011	17,133	..	..	..	..
Thailand	2014	172,259	165,028	5,540	..	305	1,385	1
	2015	177,479	170,028	4,743	..	329	2,378	1
	2016	191,010	180,304	6,983	..	345	3,377	1
	2017	186,546	171,366	9,527	..	1,109	4,543	1

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
2,959	2,281	678	..	11,197	3,046	8,151	..	..
*1,814	*1,136	*678	..	14,156	5,327	8,829	..	..
3,477	2,888	589	..	14,390	5,235	9,155	..	..
*3,700	*3,040	*661	..	*15,777	*5,510	*10,267	..	..
*140	..	*140	..	3,368	10	3,358	..	..
154	..	154	..	3,349	..	3,342	..	7
155	..	155	..	4,089	..	4,082	..	7
156	..	156	..	4,483	..	4,476	..	7
..	..	..	..	29,128	29,128	..	..	..
..	..	..	..	32,758	32,758	..	..	..
..	..	..	..	34,228	34,228	..	..	..
..	..	..	..	36,126	36,126	..	..	..
38,071	38,071	..	..	221,954	170,074	7,439	42,389	2,052
35,544	35,544	..	..	222,481	176,104	7,505	36,471	2,401
35,185	35,178	..	7	229,497	185,391	9,856	31,661	2,589
31,965	31,957	..	8	236,441	201,801	8,780	22,446	3,414
2,044	2,044	..	..	106,106	68,541	32,210	5,090	265
2,614	2,614	..	..	107,514	68,382	32,867	5,804	461
2,313	2,313	..	..	113,189	73,016	34,573	4,602	998
2,726	2,726	..	..	120,807	79,732	32,132	6,867	2,076
*215	*198	*17	..	77,261	57,647	9,137	..	10,477
*492	*475	*17	..	82,413	61,818	8,665	..	11,931
*991	*974	*17	..	90,798	69,544	8,111	..	13,143
*1,376	*1,359	*17	..	94,371	72,195	9,611	..	12,565
35,190	35,190	..	..	3,502	3,502	..	..	..
38,998	38,998	..	..	2,501	2,501	..	..	..
39,757	39,757	..	..	2,550	2,550	..	..	..
42,813	42,813	..	..	2,742	2,742	..	..	..
60,076	60,076	..	..	251,728	251,727	..	..	1
74,821	74,821	..	..	263,510	263,509	..	..	1
84,490	84,490	..	..	260,614	260,613	..	..	1
90,143	90,143	..	..	264,936	264,932	..	..	4
2,974	2,974	..	..	46,374	46,336	..	..	38
3,240	3,240	..	..	47,100	47,031	..	..	69
3,520	3,520	..	..	48,212	48,066	..	..	146
3,990	3,990	..	..	48,404	48,235	..	..	169
51	0	*11	40	12,812	7,986	4,552	..	274
1,181	57	1,065	59	12,046	6,796	4,904	..	345
189	91	*25	73	14,175	9,630	4,196	..	349
238	86	19	134	14,766	10,296	4,021	..	450
72	71	..	2	268	266	..	..	2
155	151	..	5	360	355	..	..	5
177	156	..	21	360	339	..	..	21
154	132	..	23	392	369	..	..	23
497	497	..	..	21,229	18,229	3,000	..	..
498	498	..	..	17,383	16,970	413	..	..
556	556	..	..	17,556	16,627	929	..	..
536	536	..	..	17,695	16,941	754	..	..
..	..	..	..	16,472	160	16,312	..	..
..	..	..	..	17,162	302	16,860	..	..
..	..	..	..	17,232	608	16,624	..	..
..	..	..	..	18,144	1,011	17,133	..	..
32,504	31,302	..	1,202	139,755	133,726	5,540	..	489
35,773	33,704	..	2,069	141,706	136,324	4,743	..	639
51,856	48,882	..	2,974	139,154	131,422	6,983	..	749
55,722	51,715	..	4,007	130,824	119,651	9,527	..	1,646

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Timor-Leste	2014	349	349	..	..	..	..	..
	2015	350	350	..	..	..	..	..
	2016	413	413	..	..	..	..	..
	2017	427	427	..	..	..	..	..
Turkey	2014	251,963	200,079	40,645	..	8,520	17	2,702
	2015	261,783	178,871	67,146	..	11,652	194	3,920
	2016	274,408	185,085	67,231	..	15,517	1,043	5,532
	2017	297,277	211,291	58,219	..	17,903	2,889	6,975
Turkmenistan	2014	20,400	20,400	..	..	..	..	..
	2015	22,534	22,534	..	..	..	..	..
	2016	22,534	22,534	..	..	..	..	..
	2017	22,534	22,534	..	..	..	..	..
United Arab Emirates	2014	116,528	116,237	..	..	..	291	..
	2015	127,366	127,075	..	..	..	291	..
	2016	129,596	129,287	..	..	..	309	..
	2017	134,553	133,761	..	..	..	792	..
Uzbekistan	2014	56,207	50,132	6,075	..	..	..	..
	2015	57,871	50,802	7,069	..	..	0	..
	2016	59,318	51,990	7,327	..	..	0	..
	2017	61,038	52,610	8,427	..	..	1	..
Viet Nam	2014	140,219	78,439	61,480	..	*300	..	..
	2015	163,494	105,979	57,254	..	*261	..	..
	2016	181,653	116,244	65,188	..	221	..	..
	2017	198,499	109,354	88,875	..	270	..	..
Yemen	2014	7,655	7,646	..	..	..	9	..
	2015	6,087	5,977	..	..	..	110	..
	2016	5,161	4,612	..	..	..	549	..
	2017	5,316	4,584	..	..	..	732	..
Europe	2014	4,782,523	2,424,529	808,426	1,173,001	256,658	99,606	20,302
	2015	4,816,237	2,448,675	767,252	1,163,206	305,809	110,247	21,049
	2016	4,866,855	2,487,342	799,824	1,138,394	306,235	113,674	21,386
	2017	4,887,319	2,494,648	744,371	1,138,813	366,734	122,369	20,385
Albania	2014	4,724	..	4,724	..	..	..	..
	2015	5,895	..	5,895	..	..	..	..
	2016	7,136	..	7,136	..	..	..	..
	2017	4,526	..	4,526	..	..	..	..
Andorra	2014	127	13	113	..	..	..	..
	2015	99	14	86	..	..	..	..
	2016	99	14	84	..	..	..	..
	2017	*106	17	*89	..	..	..	..
Austria	2014	65,438	15,958	44,836	..	3,846	785	13
	2015	65,197	18,883	40,525	..	4,837	937	15
	2016	68,308	19,025	42,940	..	5,232	1,096	15
	2017	71,323	21,216	42,251	..	6,574	1,269	13
Belarus	2014	34,735	34,602	121	..	11	1	..
	2015	34,082	33,941	107	..	26	8	..
	2016	33,566	33,321	142	..	75	28	..
	2017	34,515	33,924	405	..	97	89	..
Belgium	2014	72,672	29,610	1,462	33,703	4,615	2,883	399
	2015	69,849	33,249	1,418	26,103	5,574	3,053	452
	2016	85,809	31,756	1,489	43,523	5,437	3,092	512
	2017	86,608	32,660	1,397	42,227	6,510	3,287	527
Bosnia and Herzegovina	2014	16,160	10,225	5,935	..	..	..	..
	2015	15,629	10,078	5,551	..	..	..	..
	2016	17,767	12,102	5,641	..	..	24	..
	2017	16,439	12,431	3,987	..	..	21	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	349	349	..	..	..
..	..	..	..	350	350	..	..	..
..	..	..	..	413	413	..	..	..
..	..	..	..	427	427	..	..	..
18,182	16,953	881	348	233,781	183,126	39,764	..	10,891
18,620	16,892	1,222	506	243,163	161,979	65,924	..	15,260
20,662	18,635	845	1,182	253,746	166,450	66,386	..	20,910
20,285	17,683	967	1,635	276,992	193,608	57,252	..	26,132
..	..	..	..	20,400	20,400	..	..	..
..	..	..	..	22,534	22,534	..	..	..
..	..	..	..	22,534	22,534	..	..	..
..	..	..	..	22,534	22,534	..	..	..
..	..	..	..	116,528	116,237	..	..	291
..	..	..	..	127,366	127,075	..	..	291
..	..	..	..	129,596	129,287	..	..	309
..	..	..	..	134,553	133,761	..	..	792
*441	*441	..	..	55,766	49,691	6,075	..	..
213	213	..	..	57,658	50,589	7,069	..	0
217	217	..	..	59,101	51,773	7,327	..	0
*217	*217	..	..	60,821	52,393	8,427	..	1
2,570	2,488	*80	*2	137,649	75,951	61,400	..	*298
3,954	3,872	*80	*2	159,540	102,107	57,174	..	*259
4,914	4,832	*80	*2	176,739	111,412	65,108	..	219
4,282	4,200	*80	*2	194,217	105,154	88,795	..	268
249	240	..	9	7,406	7,406	..	..	..
310	200	..	110	5,777	5,777	..	..	..
722	173	..	549	4,439	4,439	..	..	..
895	163	..	732	4,421	4,421	..	..	..
337,411	300,438	11,197	25,776	4,445,112	2,124,092	797,229	1,173,001	350,790
364,114	322,235	10,678	31,201	4,452,123	2,126,440	756,574	1,163,206	405,903
379,730	335,651	10,463	33,616	4,487,125	2,151,691	789,361	1,138,394	407,679
391,901	343,518	9,960	38,423	4,495,418	2,151,130	734,411	1,138,813	471,064
..	..	..	..	4,724	..	4,724	..	..
..	..	..	..	5,895	..	5,895	..	..
..	..	..	..	7,136	..	7,136	..	..
..	..	..	..	4,526	..	4,526	..	..
..	..	..	..	127	13	113	..	..
..	..	..	..	99	14	86	..	..
..	..	..	..	99	14	84	..	..
..	..	..	..	*106	17	*89	..	..
7,707	7,131	563	13	57,731	8,827	44,273	..	4,631
7,851	7,347	489	15	57,346	11,536	40,036	..	5,774
8,011	7,469	527	15	60,297	11,556	42,413	..	6,328
8,214	7,723	478	13	63,109	13,493	41,773	..	7,843
3,072	3,061	7	4	31,663	31,541	114	..	8
3,406	3,387	6	13	30,676	30,554	101	..	21
3,434	3,409	14	11	30,132	29,912	128	..	92
3,773	3,717	9	47	30,742	30,207	396	..	139
9,797	6,496	..	3,301	62,875	23,114	1,462	33,703	4,596
10,053	6,529	..	3,524	59,796	26,720	1,418	26,103	5,555
10,475	6,858	..	3,617	75,334	24,898	1,489	43,523	5,424
11,441	7,602	..	3,839	75,167	25,058	1,397	42,227	6,485
357	357	..	..	15,803	9,868	5,935	..	..
425	425	..	..	15,204	9,653	5,551	..	..
394	394	..	..	17,373	11,708	5,641	..	24
441	441	..	..	15,998	11,990	3,987	..	21

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Bulgaria	2014	47,485	23,858	5,163	15,867	1,331	1,252	14
	2015	49,228	24,840	6,147	15,383	1,452	1,383	23
	2016	45,277	22,088	4,568	15,776	1,425	1,386	34
	2017	45,612	23,633	3,493	15,545	1,504	1,403	34
Croatia	2014	13,554	3,664	9,125	..	730	35	..
	2015	11,403	3,994	6,556	..	796	57	..
	2016	12,820	4,682	7,058	..	1,014	66	..
	2017	11,986	5,195	5,508	..	1,204	79	..
Czechia	2014	86,148	50,174	2,961	30,325	477	2,123	88
	2015	83,892	51,063	3,071	26,841	573	2,264	80
	2016	83,309	53,279	3,202	24,104	497	2,131	96
	2017	87,049	52,782	3,040	28,340	591	2,193	103
Denmark	2014	32,185	18,495	15	..	13,079	596	..
	2015	28,935	14,180	18	..	14,133	604	..
	2016	30,536	16,991	19	..	12,782	744	..
	2017	31,040	15,491	18	..	14,780	751	..
Estonia	2014	12,446	11,815	27	..	604	..	..
	2015	10,398	9,656	27	..	715	..	..
	2016	12,176	11,547	35	..	594	..	..
	2017	12,904	12,155	26	..	723	..	..
Faeroe Islands	2014	305	150	121	..	34	..	..
	2015	314	126	133	..	56	..	..
	2016	317	159	106	..	52	..	..
	2017	334	163	111	..	60	..	..
Finland	2014	68,094	29,712	13,397	23,580	1,107	8	290
	2015	68,597	25,999	16,769	23,245	2,327	9	248
	2016	68,754	26,399	15,799	23,203	3,068	19	266
	2017	67,522	25,034	14,772	22,477	4,795	43	401
France	2014	572,331	41,295	69,571	436,479	17,319	6,391	1,276
	2015	579,195	51,000	60,403	437,428	21,320	7,750	1,294
	2016	564,416	64,245	65,684	403,195	21,473	8,657	1,162
	2017	562,147	73,060	55,108	398,359	24,711	9,573	1,336
Germany	2014	627,795	409,688	25,444	97,129	57,357	36,056	2,121
	2015	646,888	410,315	24,898	91,786	79,206	38,726	1,957
	2016	649,119	419,591	26,135	84,634	78,598	38,098	2,063
	2017	653,736	404,299	26,155	76,324	105,693	39,401	1,864
Gibraltar	2014	198	198	..	..	..	..	..
	2015	224	224	..	..	..	..	..
	2016	254	254	..	..	..	..	..
	2017	274	274	..	..	..	..	..
Greece	2014	50,474	38,386	4,607	..	3,689	3,792	..
	2015	51,874	37,203	6,150	..	4,621	3,900	..
	2016	54,439	39,798	5,565	..	5,146	3,930	..
	2017	55,266	41,698	4,040	..	5,537	3,991	..
Guernsey	2014	227	227	..	..	..	..	..
	2015	157	157	..	..	..	..	..
	2016	87	87	..	..	..	..	..
	2017	77	77	..	..	..	..	..
Hungary	2014	29,403	12,674	301	15,649	657	67	55
	2015	30,360	13,395	234	15,834	693	141	63
	2016	31,902	14,583	259	16,054	684	244	78
	2017	32,871	15,363	220	16,098	758	349	83
Iceland	2014	18,123	3	12,873	..	8	..	5,239
	2015	18,799	4	13,781	..	11	..	5,003
	2016	18,550	3	13,470	..	9	..	5,068
	2017	19,239	2	14,059	..	8	..	5,170

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
253	239	..	14	47,232	23,619	5,163	15,867	2,583
388	365	..	23	48,840	24,475	6,147	15,383	2,835
491	457	..	34	44,786	21,631	4,568	15,776	2,811
687	653	..	34	44,925	22,980	3,493	15,545	2,907
345	338	7	..	13,209	3,326	9,118	..	765
316	310	6	..	11,087	3,684	6,550	..	853
338	331	7	..	12,482	4,351	7,051	..	1,080
420	414	6	..	11,566	4,781	5,502	..	1,283
9,123	8,498	564	61	77,025	41,676	2,397	30,325	2,627
9,255	8,636	566	53	74,637	42,427	2,505	26,841	2,864
9,445	8,776	598	71	73,864	44,503	2,604	24,104	2,653
9,110	8,421	611	78	77,939	44,361	2,429	28,340	2,809
2,603	2,007	..	596	29,582	16,488	15	..	13,079
2,788	2,184	..	604	26,147	11,996	18	..	14,133
2,775	2,031	..	744	27,761	14,960	19	..	12,782
2,839	2,088	..	751	28,201	13,403	18	..	14,780
57	42	1	14	12,389	11,773	26	..	590
157	143	0	14	10,241	9,513	27	..	701
239	226	..	13	11,937	11,321	35	..	581
120	120	..	..	12,784	12,035	26	..	723
..	..	..	..	305	150	121	..	34
..	..	..	..	314	126	133	..	56
..	..	..	..	317	159	106	..	52
..	..	..	..	334	163	111	..	60
10,094	8,977	927	190	58,000	20,735	12,470	23,580	1,215
10,022	8,773	1,079	170	58,575	17,226	15,690	23,245	2,414
9,515	8,277	1,035	203	59,239	18,122	14,764	23,203	3,150
9,832	8,575	1,003	254	57,690	16,459	13,769	22,477	4,985
18,751	12,694	710	5,347	553,580	28,601	68,861	436,479	19,639
19,814	13,425	555	5,834	559,381	37,575	59,848	437,428	24,530
19,416	13,120	618	5,678	545,000	51,125	65,066	403,195	25,614
20,566	13,374	554	6,638	541,581	59,686	54,554	398,359	28,982
45,450	43,874	162	1,414	582,345	365,814	25,282	97,129	94,120
50,214	48,833	157	1,224	596,674	361,482	24,741	91,786	118,665
54,863	53,397	176	1,290	594,256	366,194	25,959	84,634	117,469
56,777	55,489	172	1,116	596,959	348,810	25,983	76,324	145,842
..	..	..	..	198	198	..	..	..
..	..	..	..	224	224	..	..	..
..	..	..	..	254	254	..	..	..
..	..	..	..	274	274	..	..	..
1,792	1,792	..	..	48,682	36,594	4,607	..	7,481
2,340	2,340	..	..	49,534	34,863	6,150	..	8,521
1,947	1,947	..	..	52,492	37,851	5,565	..	9,076
1,933	1,933	..	..	53,333	39,765	4,040	..	9,528
..	..	..	..	227	227	..	..	..
..	..	..	..	157	157	..	..	..
..	..	..	..	87	87	..	..	..
..	..	..	..	77	77	..	..	..
666	544	..	122	28,737	12,130	301	15,649	657
806	603	..	203	29,554	12,792	234	15,834	694
1,009	720	..	289	30,893	13,863	259	16,054	717
1,255	861	..	394	31,616	14,502	220	16,098	796
..	..	..	..	18,123	3	12,873	..	5,247
..	..	..	..	18,799	4	13,781	..	5,014
..	..	..	..	18,550	3	13,470	..	5,077
..	..	..	..	19,239	2	14,059	..	5,178

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						Other
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	
Ireland	2014	26,088	19,958	988	..	5,140	2	..
	2015	28,389	20,718	1,095	..	6,573	3	..
	2016	30,513	23,385	973	..	6,149	6	..
	2017	30,874	22,523	895	..	7,445	11	..
Isle of Man	2014	465	462	3	..	..	..	..
	2015	435	431	4	..	..	..	..
	2016	433	430	3	..	..	..	..
	2017	467	463	4	..	..	..	..
Italy	2014	279,827	175,510	60,256	..	15,178	22,306	6,577
	2015	282,994	191,458	46,970	..	14,844	22,942	6,780
	2016	289,768	198,693	44,257	..	17,689	22,104	7,025
	2017	295,833	208,826	38,025	..	17,742	24,378	6,862
Jersey	2014	108	108	..	..	..	..	..
	2015	48	48	..	..	..	..	..
	2016	70	70	..	..	..	..	..
	2017	49	49	..	..	..	..	..
Kosovo	2014	5,436	5,285	151	..	..	..	..
	2015	6,119	5,979	140	..	..	..	..
	2016	5,981	5,736	245	..	..	..	..
	2017	5,919	5,739	179	..	..	1	..
Latvia	2014	5,139	3,006	1,994	..	139	..	..
	2015	5,533	3,526	1,860	..	147	..	..
	2016	6,425	3,767	2,530	..	128	..	..
	2017	7,531	3,000	4,381	..	150	..	..
Liechtenstein	2014	41	3	22	..	..	17	..
	2015	70	2	49	..	..	19	..
	2016	90	2	68	..	..	20	..
	2017	93	2	69	..	..	22	..
Lithuania	2014	4,397	2,354	1,088	..	639	73	243
	2015	4,933	2,761	1,024	..	810	73	265
	2016	4,266	1,750	1,044	..	1,136	66	270
	2017	4,187	1,324	1,181	..	1,364	68	250
Luxembourg	2014	2,966	1,622	1,169	..	80	95	..
	2015	2,766	1,030	1,530	..	102	104	..
	2016	2,196	467	1,528	..	101	100	..
	2017	2,234	469	1,422	..	235	108	..
Malta	2014	2,245	2,177	..	..	..	68	..
	2015	1,305	1,210	..	..	..	95	..
	2016	858	731	..	..	..	127	..
	2017	1,645	1,490	..	..	..	155	..
Montenegro	2014	3,173	1,421	1,752	..	..	..	..
	2015	3,003	1,512	1,491	..	..	..	..
	2016	3,141	1,298	1,843	..	..	..	..
	2017	2,483	1,348	1,040	..	95	..	..
Netherlands	2014	103,359	92,488	112	4,091	5,797	726	145
	2015	110,389	97,411	93	4,077	7,550	1,108	150
	2016	115,211	101,241	100	3,960	8,170	1,602	138
	2017	117,263	100,905	61	3,402	10,569	2,204	122
North Macedonia	2014	5,374	4,082	1,207	..	71	14	..
	2015	5,646	3,617	1,865	..	121	23	20
	2016	5,630	3,563	1,897	..	109	24	36
	2017	5,600	4,304	1,110	..	110	24	52
Norway	2014	141,970	3,265	136,185	..	2,217	..	303
	2015	144,546	3,285	138,450	..	2,515	..	296
	2016	149,630	3,212	144,005	..	2,116	..	297
	2017	149,359	3,233	142,993	..	2,852	..	281

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
2,074	2,072	..	2	24,014	17,886	988	..	5,140
2,162	2,159	..	3	26,227	18,559	1,095	..	6,573
2,205	2,199	..	6	28,308	21,186	973	..	6,149
2,201	2,190	..	11	28,673	20,333	895	..	7,445
23	23	..	..	442	439	3	..	..
24	24	..	..	411	407	4	..	..
25	25	..	..	408	405	3	..	..
24	24	..	..	443	439	4	..	..
15,742	14,749	738	255	264,085	160,761	59,518	..	43,806
19,082	18,209	609	264	263,912	173,249	46,361	..	44,302
18,467	17,687	562	218	271,301	181,006	43,695	..	46,600
19,782	19,150	489	143	276,051	189,676	37,536	..	48,839
37	37	..	..	71	71	..	..	..
41	41	..	..	7	7	..	..	..
45	45	..	..	24	24	..	..	..
44	44	..	..	4	4	..	..	..
..	..	..	..	5,436	5,285	151	..	..
..	..	..	..	6,119	5,979	140	..	..
..	..	..	..	5,981	5,736	245	..	..
..	..	..	..	5,919	5,739	179	..	1
255	246	7	2	4,884	2,760	1,987	..	137
257	253	2	2	5,276	3,273	1,858	..	145
211	207	2	2	6,214	3,560	2,528	..	126
194	188	4	2	7,337	2,812	4,377	..	148
..	..	..	..	41	3	22	..	17
..	..	..	..	70	2	49	..	19
..	..	..	..	90	2	68	..	20
..	..	..	..	93	2	69	..	22
736	493	..	243	3,661	1,861	1,088	..	712
931	666	..	265	4,002	2,095	1,024	..	883
888	618	..	270	3,378	1,132	1,044	..	1,202
826	576	..	250	3,361	748	1,181	..	1,432
271	170	6	95	2,695	1,452	1,163	..	80
274	164	6	104	2,492	866	1,524	..	102
285	177	8	100	1,911	290	1,520	..	101
277	165	4	108	1,957	304	1,418	..	235
75	7	..	68	2,170	2,170	..	..	..
102	7	..	95	1,203	1,203	..	..	..
135	8	..	127	723	723	..	..	..
165	10	..	155	1,480	1,480	..	..	..
..	..	..	..	3,173	1,421	1,752	..	..
..	..	..	..	3,003	1,512	1,491	..	..
..	..	..	..	3,141	1,298	1,843	..	..
..	..	..	..	2,483	1,348	1,040	..	95
21,912	20,048	..	1,864	81,447	72,440	112	4,091	4,804
22,893	20,497	..	2,396	87,496	76,914	93	4,077	6,412
22,865	20,273	..	2,592	92,346	80,968	100	3,960	7,318
25,043	21,830	..	3,213	92,220	79,075	61	3,402	9,682
1	1	..	..	5,373	4,081	1,207	..	85
0	0	..	..	5,646	3,617	1,865	..	164
0	0	..	..	5,630	3,563	1,897	..	169
0	0	..	..	5,600	4,304	1,110	..	186
2,587	2,587	..	..	139,383	678	136,185	..	2,520
2,596	2,596	..	..	141,950	689	138,450	..	2,811
2,598	2,598	..	..	147,032	614	144,005	..	2,413
2,521	2,521	..	..	146,838	712	142,993	..	3,133

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Poland	2014	159,059	148,500	2,734	..	7,676	7	142
	2015	164,944	151,478	2,435	..	10,858	57	116
	2016	166,635	151,234	2,622	..	12,588	124	67
	2017	170,467	152,297	3,034	..	14,909	165	62
Portugal	2014	52,802	23,440	16,412	..	12,111	627	212
	2015	52,420	30,005	9,799	..	11,608	796	212
	2016	60,328	29,903	16,909	..	12,474	870	172
	2017	59,434	38,346	7,632	..	12,247	992	217
Republic of Moldova	2014	3,573	902	59	..	1	1	2,610
	2015	4,239	885	50	..	2	2	3,300
	2016	4,230	862	39	..	3	2	3,324
	2017	*3,174	839	48	..	7	2	*2,278
Romania	2014	65,676	26,903	19,280	11,676	6,201	1,616	..
	2015	66,296	28,604	17,007	11,640	7,063	1,982	..
	2016	65,103	26,871	18,536	11,286	6,590	1,820	..
	2017	64,296	28,673	14,853	11,509	7,406	1,855	..
Russian Federation	2014	1,064,207	705,598	177,141	180,757	96	160	455
	2015	1,067,544	701,220	169,914	195,470	148	335	457
	2016	1,090,973	706,663	186,640	196,614	148	462	446
	2017	1,094,288	702,881	187,131	203,143	140	558	435
Serbia	2014	34,060	22,437	11,617	..	..	6	..
	2015	38,298	27,504	10,783	..	..	11	..
	2016	39,342	27,784	11,520	..	26	12	..
	2017	37,045	27,232	9,752	..	48	13	..
Slovakia	2014	27,401	6,719	4,462	15,499	6	597	118
	2015	26,903	7,008	4,137	15,146	6	506	100
	2016	27,064	7,015	4,606	14,774	6	533	130
	2017	27,738	7,367	4,623	15,081	6	506	155
Slovenia	2014	17,437	4,440	6,366	6,370	4	257	..
	2015	15,100	5,081	4,091	5,648	6	274	..
	2016	16,500	5,730	4,782	5,715	6	267	..
	2017	16,326	5,610	4,141	6,285	6	284	..
Spain	2014	278,750	112,789	42,970	57,305	52,013	13,673	0
	2015	280,911	128,947	31,368	57,196	49,325	13,859	216
	2016	274,772	113,618	39,865	58,633	48,905	13,643	108
	2017	275,726	133,002	21,070	58,039	49,127	14,397	91
Sweden	2014	153,663	13,632	63,872	64,877	11,235	47	..
	2015	162,112	13,906	75,439	56,348	16,322	97	..
	2016	156,010	15,150	62,137	63,101	15,479	143	..
	2017	164,250	15,547	65,168	65,696	17,609	230	..
Switzerland	2014	71,767	3,566	39,701	27,557	101	842	..
	2015	67,720	3,521	39,881	23,089	110	1,119	..
	2016	63,175	3,898	36,689	21,146	109	1,333	..
	2017	63,089	3,864	37,033	20,376	133	1,683	..
Ukraine	2014	182,815	83,549	9,318	88,389	1,130	429	..
	2015	163,682	67,523	6,971	87,627	1,084	477	..
	2016	164,573	72,795	9,304	80,950	954	491	79
	2017	156,037	58,173	10,520	85,576	984	739	45
United Kingdom	2014	338,100	229,566	8,771	63,748	31,959	4,054	2
	2015	338,876	211,684	9,037	70,345	40,275	7,533	2
	2016	339,298	211,550	8,349	71,726	37,262	10,411	0
	2017	338,338	197,668	8,801	70,336	50,004	11,525	4
Oceania	2014	302,610	233,558	44,705	..	12,528	4,057	7,761
	2015	307,362	240,029	39,987	..	13,893	5,122	8,330
	2016	312,388	239,857	43,242	..	14,560	6,384	8,345
	2017	314,716	239,799	43,458	..	14,792	8,289	8,378

Table 32

Production of electricity - by type

Gigawatt-hours

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
8,881	8,729	3	149	150,178	139,771	2,731	..	7,676
9,382	9,206	3	173	155,562	142,272	2,432	..	10,858
10,457	10,263	3	191	156,178	140,971	2,619	..	12,588
11,914	11,683	4	227	158,553	140,614	3,030	..	14,909
8,435	8,117	23	295	44,367	15,323	16,389	..	12,655
8,294	7,929	15	350	44,126	22,076	9,784	..	12,266
8,205	7,799	20	386	52,123	22,104	16,889	..	13,130
8,438	7,954	11	473	50,996	30,392	7,621	..	12,983
70	70	..	..	3,503	832	59	..	2,612
40	40	..	..	4,199	845	50	..	3,304
42	42	..	..	4,188	820	39	..	3,329
55	53	..	2	*3,119	786	48	..	*2,285
6,095	5,037	327	731	59,581	21,866	18,953	11,676	7,086
7,407	6,389	404	614	58,889	22,215	16,603	11,640	8,431
7,125	6,310	323	492	57,978	20,561	18,213	11,286	7,918
7,014	6,299	244	471	57,282	22,374	14,609	11,509	8,790
66,732	65,186	1,546	..	997,475	640,412	175,595	180,757	711
71,996	70,501	1,495	..	995,548	630,719	168,419	195,470	940
74,782	73,452	1,330	..	1,016,191	633,211	185,310	196,614	1,056
72,380	71,153	1,227	..	1,021,908	631,728	185,904	203,143	1,133
289	289	..	..	33,771	22,148	11,617	..	6
318	318	..	..	37,980	27,186	10,783	..	11
453	453	..	..	38,889	27,331	11,520	..	38
526	526	..	..	36,519	26,705	9,752	..	62
3,040	2,317	116	607	24,361	4,402	4,346	15,499	114
3,068	2,519	85	464	23,835	4,489	4,052	15,146	148
3,084	2,473	98	513	23,980	4,542	4,508	14,774	156
3,092	2,505	100	487	24,646	4,862	4,523	15,081	180
749	271	228	250	16,688	4,169	6,138	6,370	11
688	268	154	266	14,412	4,813	3,937	5,648	14
754	267	227	260	15,746	5,463	4,555	5,715	13
730	265	189	276	15,596	5,345	3,952	6,285	14
32,111	31,006	1,064	41	246,639	81,783	41,906	57,305	65,645
33,480	32,473	748	259	247,431	96,474	30,620	57,196	63,141
34,042	33,088	803	151	240,730	80,530	39,062	58,633	62,505
36,028	35,415	477	136	239,698	97,587	20,593	58,039	63,479
5,797	5,785	12	..	147,866	7,847	63,860	64,877	11,282
5,827	5,816	11	..	156,285	8,090	75,428	56,348	16,419
5,738	5,727	11	..	150,272	9,423	62,126	63,101	15,622
6,215	6,203	12	..	158,035	9,344	65,156	65,696	17,839
6,865	3,109	2,914	842	64,902	457	36,787	27,557	101
7,095	3,096	2,880	1,119	60,625	425	37,001	23,089	110
7,189	3,217	2,639	1,333	55,986	681	34,050	21,146	109
7,497	3,202	2,612	1,683	55,592	662	34,421	20,376	133
2,927	2,905	19	3	179,888	80,644	9,299	88,389	1,556
2,214	2,195	17	2	161,468	65,328	6,954	87,627	1,559
5,767	5,659	23	85	158,806	67,136	9,281	80,950	1,439
3,976	3,899	4	73	152,061	54,274	10,516	85,576	1,695
41,640	31,134	1,253	9,253	296,460	198,432	7,518	63,748	26,762
48,108	33,569	1,391	13,148	290,768	178,115	7,646	70,345	34,662
52,016	35,652	1,439	14,925	287,282	175,898	6,910	71,726	32,748
55,550	36,251	1,750	17,549	282,788	161,417	7,051	70,336	43,984
28,172	23,289	364	4,519	274,438	210,270	44,341	..	19,827
29,411	23,563	355	5,493	277,950	216,466	39,632	..	21,852
29,038	22,330	359	6,349	283,350	217,527	42,883	..	22,940
33,196	24,793	355	8,048	281,520	215,006	43,103	..	23,411

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
American Samoa	2014	155	152	..	..	..	2	..
	2015	161	159	..	..	..	2	..
	2016	*170	*167	..	..	..	3	..
	2017	*171	*168	..	..	..	*3	..
Australia	2014	247,451	214,767	18,421	..	10,252	4,010	1
	2015	251,415	221,479	13,445	..	11,467	5,023	1
	2016	256,563	222,837	15,318	..	12,199	6,209	0
	2017	258,018	221,062	16,285	..	12,597	8,073	1
Cook Islands	2014	*32	*29	..	..	..	*3	..
	2015	*29	*27	..	..	..	*2	..
	2016	*33	*30	..	..	..	*4	..
	2017	*37	*33	..	..	..	*4	..
Fiji	2014	859	454	401	..	4	..	..
	2015	914	503	406	..	6	..	..
	2016	934	435	495	..	4	..	..
	2017	1,008	514	491	..	2	..	..
French Polynesia	2014	*630	*409	*209	..	..	*13	..
	2015	*628	*405	*209	..	..	*14	..
	2016	*639	*395	*230	..	..	*14	..
	2017	*634	*399	*220	..	..	*15	..
Guam	2014	*1,703	*1,703	..	..	..	..	..
	2015	1,702	1,681	..	..	..	22	..
	2016	1,720	1,668	..	..	*1	52	..
	2017	1,760	1,708	..	..	*1	52	..
Kiribati	2014	*26	*26	..	..	..	..	..
	2015	*28	*26	..	..	..	*2	..
	2016	*31	*26	..	..	..	*5	..
	2017	*31	*26	..	..	..	*5	..
Marshall Islands	2014	*86	*85	..	..	..	1	..
	2015	*87	*86	..	..	..	1	..
	2016	*88	*86	..	..	..	2	..
	2017	*89	*87	..	..	..	2	..
Micronesia (Fed. States of)	2014	69	68	0	..	..	1	..
	2015	67	66	0	..	..	1	..
	2016	*68	*66	0	..	..	2	..
	2017	*69	*67	0	..	..	2	..
Nauru	2014	*25	*25	..	..	..	0	..
	2015	*25	*25	..	..	..	0	..
	2016	32	32	..	..	..	0	..
	2017	36	35	..	..	..	1	..
New Caledonia	2014	3,011	2,660	289	..	57	5	..
	2015	2,903	2,494	340	..	62	7	..
	2016	3,130	2,842	232	..	45	11	..
	2017	3,228	2,794	361	..	45	28	..
New Zealand	2014	43,512	9,617	24,328	..	2,211	18	7,338
	2015	44,184	9,351	24,537	..	2,353	36	7,907
	2016	43,639	7,431	25,922	..	2,306	55	7,925
	2017	44,214	8,858	25,183	..	2,141	75	7,957
Niue	2014	3	3	..	..	..	0	..
	2015	3	3	..	..	..	0	..
	2016	*3	*3	..	..	..	0	..
	2017	*3	*3	..	..	..	0	..
Northern Mariana Islands	2014	*419	*419	..	..	..	..	..
	2015	*430	*430	..	..	..	..	..
	2016	*387	*387	..	..	..	..	..
	2017	*380	*380	..	..	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	155	152	..	..	2
..	..	..	..	161	159	..	..	2
..	..	..	..	*170	*167	..	..	3
..	..	..	..	*171	*168	..	..	*3
23,461	19,504	..	3,957	223,990	195,263	18,421	..	10,306
24,519	19,607	..	4,912	226,896	201,872	13,445	..	11,579
24,084	18,336	..	5,748	232,479	204,501	15,318	..	12,660
28,394	20,962	..	7,432	229,624	200,100	16,285	..	13,239
..	..	..	..	*32	*29	..	..	*3
..	..	..	..	*29	*27	..	..	*2
..	..	..	..	*33	*30	..	..	*4
..	..	..	..	*37	*33	..	..	*4
50	50	..	..	810	404	401	..	4
22	22	..	..	892	480	406	..	6
11	11	..	..	924	425	495	..	4
23	23	..	..	984	491	491	..	2
..	..	..	..	*630	*409	*209	..	*13
..	..	..	..	*628	*405	*209	..	*14
..	..	..	..	*639	*395	*230	..	*14
..	..	..	..	*634	*399	*220	..	*15
..	..	..	..	*1,703	*1,703	..	..	..
..	..	..	..	1,702	1,681	..	..	22
..	..	..	..	1,720	1,668	..	..	52
..	..	..	..	1,760	1,708	..	..	52
*2	*2	..	..	*24	*24	..	..	..
*2	*2	..	..	*26	*24	..	..	*2
*2	*2	..	..	*29	*24	..	..	*5
*2	*2	..	..	*29	*24	..	..	*5
..	..	..	..	*86	*85	..	..	1
..	..	..	..	*87	*86	..	..	1
..	..	..	..	*88	*86	..	..	2
..	..	..	..	*89	*87	..	..	2
..	..	..	..	69	68	0	..	1
..	..	..	..	67	66	0	..	1
..	..	..	..	*68	*66	0	..	2
..	..	..	..	*69	*67	0	..	2
..	..	..	..	*25	*25	..	..	0
..	..	..	..	*25	*25	..	..	0
..	..	..	..	32	32	..	..	0
..	..	..	..	36	35	..	..	1
..	..	..	..	3,011	2,660	289	..	62
..	..	..	..	2,903	2,494	340	..	68
..	..	..	..	3,130	2,842	232	..	57
..	..	..	..	3,228	2,794	361	..	73
1,409	1,265	4	140	42,103	8,352	24,324	..	9,427
1,446	1,283	4	159	42,738	8,068	24,533	..	10,137
1,406	1,221	4	181	42,233	6,210	25,918	..	10,105
1,456	1,256	4	196	42,758	7,602	25,179	..	9,977
..	..	..	..	3	3	..	..	0
..	..	..	..	3	3	..	..	0
..	..	..	..	*3	*3	..	..	0
..	..	..	..	*3	*3	..	..	0
..	..	..	..	*419	*419	..	..	..
..	..	..	..	*430	*430	..	..	..
..	..	..	..	*387	*387	..	..	..
..	..	..	..	*380	*380	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Palau	2014	*90	*90	..	..	..	..	..
	2015	*90	*90	..	..	..	..	..
	2016	*95	*95	..	..	..	0	..
	2017	*95	*95	..	..	..	0	..
Papua New Guinea	2014	4,176	2,734	1,020	..	..	..	422
	2015	4,324	2,890	1,012	..	..	..	422
	2016	4,445	3,020	1,005	..	..	..	420
	2017	4,526	3,227	877	..	..	2	420
Samoa	2014	125	95	30	..	..	0	..
	2015	131	97	31	..	0	3	..
	2016	149	101	33	..	0	16	..
	2017	*148	*98	*33	..	*1	*16	..
Solomon Islands	2014	94	92	..	..	..	*2	..
	2015	97	95	..	..	..	*2	..
	2016	104	102	..	..	..	*2	..
	2017	106	104	0	..	..	1	..
Tonga	2014	55	52	..	..	0	2	..
	2015	55	52	..	..	0	3	..
	2016	60	55	..	..	0	5	..
	2017	62	58	..	..	0	4	..
Tuvalu	2014	*5	*5	..	..	..	..	..
	2015	*7	*5	..	..	..	2	..
	2016	*8	*5	..	..	..	*3	..
	2017	*9	*5	..	..	0	*3	..
Vanuatu	2014	*67	*56	*7	..	*3	0	..
	2015	*64	*50	*7	..	*6	*1	..
	2016	*71	*56	*7	..	*6	*2	..
	2017	*73	*58	*7	..	*6	*3	..
Wallis and Futuna Is.	2014	*19	*18	0	..	..	0	..
	2015	*18	*18	0	..	..	0	..
	2016	*20	*20	0	..	..	0	..
	2017	*20	*19	0	..	..	0	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*6	*6	..	..	*84	*84	..	..	..
*6	*6	..	..	*84	*84	..	..	..
*6	*6	..	..	*89	*89	..	..	0
*7	*7	..	..	*88	*88	..	..	0
3,236	2,454	360	422	940	280	660	..	..
3,407	2,634	351	422	917	256	661	..	..
3,520	2,745	355	420	925	275	650	..	..
3,304	2,533	351	420	1,222	694	526	..	2
..	..	..	..	125	95	30	..	0
..	..	..	..	131	97	31	..	4
..	..	..	..	149	101	33	..	16
..	..	..	..	*148	*98	*33	..	*17
*8	*8	..	..	86	84	..	..	*2
*9	*9	..	..	88	86	..	..	*2
*9	*9	..	..	95	93	..	..	*2
*9	*9	..	..	97	95	0	..	1
..	..	..	..	55	52	..	..	2
..	..	..	..	55	52	..	..	3
..	..	..	..	60	55	..	..	5
..	..	..	..	62	58	..	..	4
..	..	..	..	*5	*5	..	..	..
..	..	..	..	*7	*5	..	..	2
..	..	..	..	*8	*5	..	..	*3
..	..	..	..	*9	*5	..	..	*4
..	..	..	..	*67	*56	*7	..	*3
..	..	..	..	*64	*50	*7	..	*7
..	..	..	..	*71	*56	*7	..	*8
..	..	..	..	*73	*58	*7	..	*8
..	..	..	..	*19	*18	0	..	0
..	..	..	..	*18	*18	0	..	0
..	..	..	..	*20	*20	0	..	0
..	..	..	..	*20	*19	0	..	0

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Table Notes

Supply is calculated as **Production** plus **Imports** minus **Exports**.

EIOU and losses refers to energy industries own use of electricity, including for pumped storage, and losses.

Total Final Consumption (TFC) refers to final energy consumption of electricity.

Figures may not add up due to statistical differences, or for some countries quantities transformed into heat in heat pumps and/or electric boilers

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 81: World electricity generation by region, 1990-2017

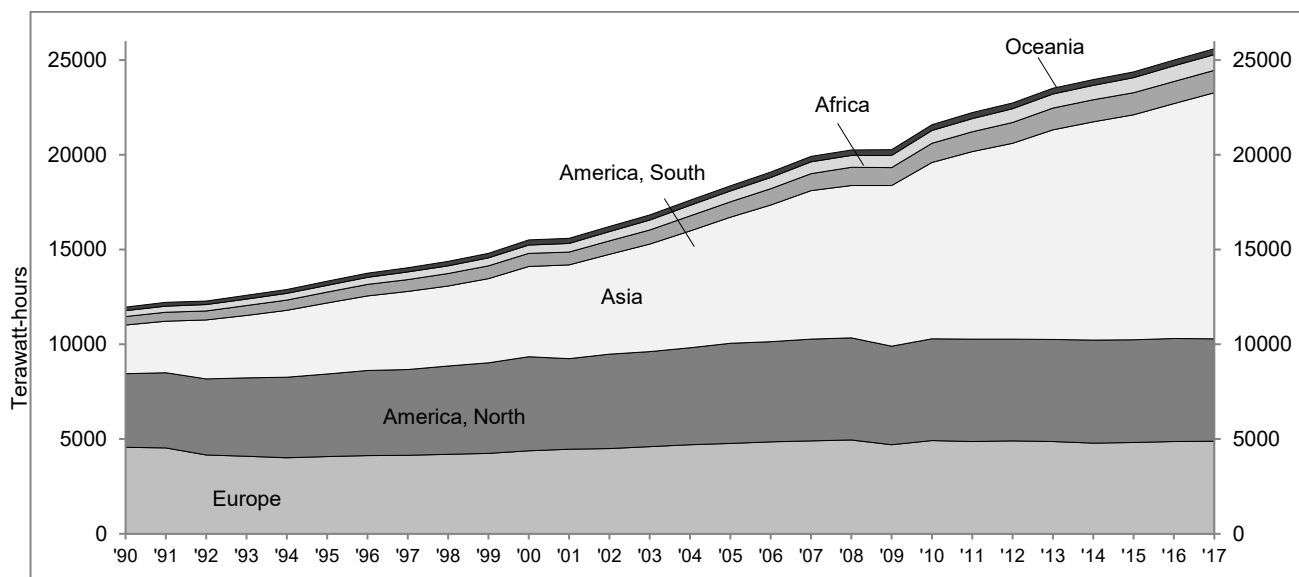


Figure 82: Major electricity producing countries, 2017

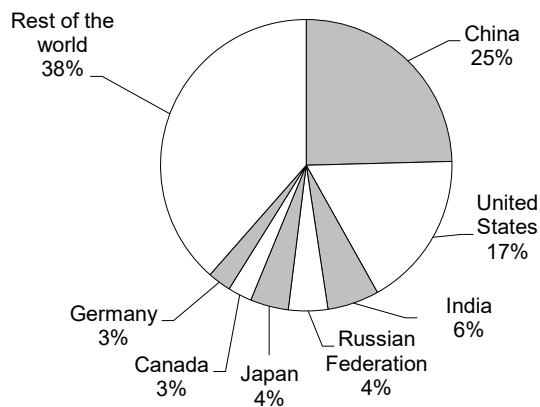


Figure 83: Major electricity consuming countries, 2017

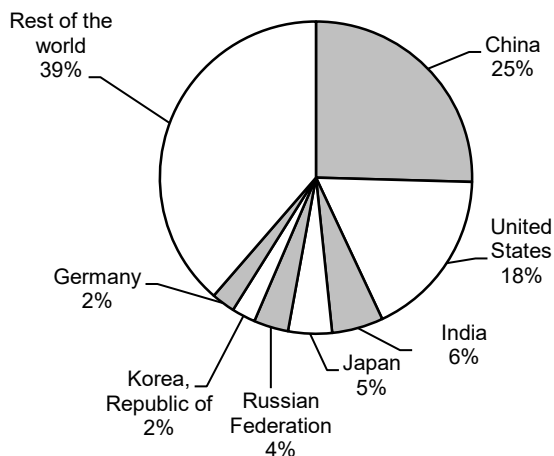


Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
World	2014	23,977,550	711,118	695,758	23,992,910	3,289	4,039,363	19,866,116
	2015	24,376,517	754,277	729,240	24,401,554	3,307	4,090,897	20,191,238
	2016	25,004,716	724,649	720,692	25,008,674	3,351	4,190,019	20,735,098
	2017	25,599,352	730,113	729,397	25,600,068	3,393	4,325,258	21,253,717
Africa	2014	773,886	40,039	31,882	782,043	675	157,280	606,139
	2015	793,076	42,313	35,753	799,636	673	159,633	620,004
	2016	815,619	43,361	38,461	820,518	673	163,350	636,057
	2017	828,642	42,154	32,457	838,339	671	174,871	643,090
Algeria	2014	64,242	686	877	64,051	1,638	18,300	45,751
	2015	68,798	610	641	68,767	1,725	18,614	50,153
	2016	70,839	257	507	70,589	1,738	18,301	52,288
	2017	76,018	537	880	75,675	1,832	19,299	56,376
Angola	2014	9,480	..	..	9,480	352	1,302	8,178
	2015	9,765	..	..	9,765	351	1,341	8,424
	2016	10,361	..	..	10,361	360	1,423	8,938
	2017	10,719	..	..	10,719	360	1,472	9,247
Benin	2014	239	939	..	1,178	115	232	953
	2015	330	1,048	..	1,378	130	277	1,099
	2016	276	1,089	..	1,365	126	288	1,071
	2017	331	1,111	..	1,442	129	297	1,139
Botswana	2014	2,315	1,684	..	3,999	1,844	497	3,449
	2015	*2,967	1,468	..	*4,435	*2,008	945	3,495
	2016	2,688	1,650	..	4,338	1,928	871	3,479
	2017	3,022	1,288	..	4,310	1,881	1,016	3,280
Burkina Faso	2014	870	488	..	1,359	77	233	*1,125
	2015	999	443	..	1,442	80	242	*1,200
	2016	973	630	..	1,603	86	*242	*1,361
	2017	1,095	645	..	1,741	91	*289	*1,452
Burundi	2014	180	91	..	271	27	54	*217
	2015	172	*96	..	268	26	*54	*214
	2016	174	*100	..	274	26	*55	*216
	2017	184	*100	..	284	26	*59	*225
Cabo Verde	2014	409	..	..	409	777	113	295
	2015	421	..	..	421	789	116	*305
	2016	444	..	..	444	823	*128	*315
	2017	492	..	..	492	900	*142	*343
Cameroon	2014	7,115	540	..	7,655	344	2,174	5,482
	2015	7,953	50	..	8,003	350	1,896	6,107
	2016	7,961	219	..	8,180	349	1,898	6,282
	2017	8,196	46	..	8,242	343	1,954	6,288
Central African Rep.	2014	147	..	..	147	33	*17	*130
	2015	149	..	..	149	33	*17	*132
	2016	150	..	..	150	33	*17	*133
	2017	153	..	..	153	33	*18	*135
Chad	2014	*225	..	..	*225	*17	*19	*206
	2015	*228	..	..	*228	*16	*13	*215
	2016	*230	..	..	*230	*16	*12	*218
	2017	*230	..	..	*230	*15	*12	*218
Comoros	2014	*53	..	..	*53	*69	*11	*42
	2015	*53	..	..	*53	*68	*10	*42
	2016	*58	..	..	*58	*73	*10	*40
	2017	*92	..	..	*92	*112	*16	*55

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Congo	2014	1,996	18	22	1,992	409	1,051	833
	2015	3,298	13	33	3,278	656	1,604	1,318
	2016	3,494	21	22	3,493	681	1,754	1,439
	2017	4,022	22	22	4,022	765	1,775	1,555
Côte d'Ivoire	2014	8,286	0	877	7,409	329	1,601	5,561
	2015	8,711	23	872	7,862	340	2,180	6,023
	2016	10,253	19	1,877	8,395	354	2,140	6,615
	2017	10,121	37	1,247	8,911	367	2,617	6,318
Dem. Rep. of the Congo	2014	8,850	1,138	69	9,919	135	2,535	7,899
	2015	8,953	20	422	8,551	112	1,907	7,266
	2016	9,135	20	420	8,735	111	1,876	7,001
	2017	9,510	668	62	10,116	124	2,147	7,223
Djibouti	2014	100	345	..	445	488	*88	*357
	2015	178	314	..	492	531	*98	*397
	2016	88	450	..	537	570	*107	*423
	2017	*59	508	..	567	592	*113	*461
Egypt	2014	180,377	51	730	179,698	1,957	32,131	146,645
	2015	187,479	43	1,158	186,364	1,987	32,229	154,205
	2016	199,927	54	747	199,234	2,082	35,112	162,275
	2017	194,992	65	333	194,724	1,996	*43,118	151,606
Equatorial Guinea	2014	833	..	..	833	738	*125	*708
	2015	848	..	..	848	722	*130	*718
	2016	*850	..	..	*850	*696	*131	*719
	2017	*850	..	..	*850	*671	*131	*719
Eritrea	2014	387	..	..	387	117	69	301
	2015	398	..	..	398	119	71	308
	2016	405	..	..	405	120	72	315
	2017	425	..	..	425	125	75	327
Eswatini	2014	567	860	..	1,427	1,303	171	1,256
	2015	*496	980	..	1,476	1,337	*180	1,296
	2016	388	1,077	..	1,465	1,315	203	1,262
	2017	414	1,048	..	1,462	1,300	169	1,387
Ethiopia	2014	9,585	..	712	8,873	91	2,213	6,660
	2015	10,577	..	700	9,877	99	2,168	8,184
	2016	12,690	..	1,303	11,387	111	2,688	8,586
	2017	13,982	..	1,437	12,545	120	2,957	9,466
Gabon	2014	1,998	388	..	2,386	1,272	591	1,795
	2015	2,127	337	..	2,464	1,277	612	1,852
	2016	2,336	344	..	2,680	1,354	664	2,016
	2017	2,284	346	..	2,630	1,299	605	2,026
Gambia	2014	*281	..	..	*281	*146	*63	*209
	2015	*297	..	..	*297	*150	*66	*221
	2016	*314	..	..	*314	*154	*69	*233
	2017	*322	..	..	*322	*153	*80	*235
Ghana	2014	13,143	51	522	12,672	470	1,797	10,694
	2015	11,672	223	587	11,308	410	1,444	9,778
	2016	13,203	745	187	13,761	488	1,916	11,523
	2017	14,248	320	268	14,300	496	2,171	12,120
Guinea	2014	712	..	..	712	60	*117	*596
	2015	1,118	..	..	1,118	92	*145	*966
	2016	1,596	..	..	1,596	129	*180	*1,405
	2017	1,753	..	..	1,753	138	*188	*1,550

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Guinea-Bissau	2014	*35	..	..	*35	*20	0	*35
	2015	*36	..	..	*36	*21	0	*36
	2016	*38	..	..	*38	*21	0	*38
	2017	*39	..	..	*39	*21	0	*39
Kenya	2014	9,139	158	27	9,270	201	1,706	7,786
	2015	9,515	59	46	9,528	202	1,689	7,732
	2016	9,971	86	39	10,019	207	2,015	8,346
	2017	10,129	230	12	10,346	208	2,015	8,741
Lesotho	2014	515	271	3	783	365	98	675
	2015	532	261	4	788	363	122	*694
	2016	508	373	3	878	398	154	*765
	2017	502	387	1	888	397	120	674
Liberia	2014	*340	..	..	*340	*77	*84	*256
	2015	*350	..	..	*350	*78	*85	*265
	2016	*440	..	..	*440	*95	*165	*275
	2017	*437	..	..	*437	*92	*151	*285
Libya	2014	37,739	88	0	37,827	6,097	7,826	17,019
	2015	37,721	88	0	37,809	6,064	7,749	15,277
	2016	36,430	376	..	36,806	5,848	7,934	13,980
	2017	36,797	302	..	37,099	5,820	8,100	14,124
Madagascar	2014	1,658	..	..	1,658	70	*67	1,170
	2015	1,712	..	..	1,712	71	*70	1,195
	2016	1,867	..	..	1,867	75	143	1,718
	2017	1,971	..	..	1,971	77	154	1,802
Malawi	2014	*2,151	..	39	*2,111	*124	*393	1,718
	2015	*2,136	..	22	*2,114	*120	*537	1,559
	2016	*2,160	..	24	*2,135	*118	*281	1,855
	2017	*1,991	..	20	*1,971	*106	*642	1,329
Mali	2014	1,626	..	*479	1,147	68	*57	*1,094
	2015	1,772	..	*486	1,286	74	*64	*1,211
	2016	1,965	..	*529	1,436	80	*72	*1,365
	2017	*1,972	..	*550	*1,422	*77	*80	*1,342
Mauritania	2014	851	183	..	1,034	254	*197	844
	2015	1,002	183	..	1,185	283	*215	932
	2016	1,006	221	57	1,170	272	*215	941
	2017	*867	*185	..	*1,052	*238	*185	869
Mauritius	2014	2,936	..	..	2,936	2,335	480	2,452
	2015	2,996	..	..	2,996	2,378	486	2,506
	2016	3,028	..	..	3,028	2,399	461	2,559
	2017	3,132	..	..	3,132	2,475	465	2,618
Morocco	2014	29,384	6,138	128	35,394	1,016	6,140	29,254
	2015	31,217	5,138	165	36,190	1,024	6,252	29,939
	2016	32,141	5,289	135	37,295	1,041	6,233	31,063
	2017	33,192	6,058	161	39,089	1,077	6,636	32,453
Mozambique	2014	17,739	7,656	10,199	15,196	558	2,850	12,342
	2015	19,641	10,547	12,876	17,312	618	5,318	12,180
	2016	18,697	9,928	14,269	14,355	498	2,538	11,383
	2017	16,992	9,935	9,945	16,982	572	2,538	14,443
Namibia	2014	1,498	2,886	84	4,300	1,814	543	3,747
	2015	1,536	2,678	88	4,126	1,701	337	3,782
	2016	1,421	3,073	99	4,395	1,772	486	3,909
	2017	1,659	2,951	100	4,510	1,780	454	4,057

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Niger	2014	521	727	0	1,248	65	235	858
	2015	522	782	0	1,304	66	259	916
	2016	442	779	0	1,221	59	*276	*968
	2017	566	845	0	1,412	66	*290	*1,014
Nigeria	2014	32,275	..	..	32,275	183	5,969	24,439
	2015	32,463	..	..	32,463	179	5,997	25,091
	2016	31,831	..	..	31,831	171	5,914	25,300
	2017	32,249	..	..	32,249	169	6,017	25,774
Rwanda	2014	478	90	4	564	50	*125	438
	2015	526	83	3	606	52	134	419
	2016	636	78	4	710	60	147	*560
	2017	698	86	4	779	64	174	596
Sao Tome and Principe	2014	*77	..	..	*77	*405	*19	*58
	2015	*81	..	..	*81	*415	*18	*64
	2016	86	..	..	86	430	17	*69
	2017	*90	..	..	*90	*442	*18	*72
Senegal	2014	3,575	318	..	3,893	268	648	3,245
	2015	3,818	333	..	4,151	277	685	3,466
	2016	4,097	360	..	4,457	289	724	3,734
	2017	4,493	337	..	4,830	305	778	3,952
Seychelles	2014	445	..	..	445	4,775	51	*395
	2015	462	..	..	462	4,929	*45	*409
	2016	496	..	..	496	5,261	*44	*452
	2017	513	..	..	513	5,414	*42	*470
Sierra Leone	2014	181	..	..	181	26	81	86
	2015	*260	..	..	*260	*36	*83	*177
	2016	*303	..	..	*303	*41	*93	*210
	2017	*303	..	..	*303	*40	*93	*210
Somalia	2014	350	..	..	350	26	*35	315
	2015	350	..	..	350	25	*35	315
	2016	350	..	..	350	24	*35	315
	2017	*350	..	..	*350	*24	*35	315
South Africa	2014	252,578	11,177	13,836	249,919	4,582	51,473	195,505
	2015	249,655	13,059	14,609	248,105	4,487	50,002	193,862
	2016	252,747	10,555	16,549	246,753	4,405	52,124	192,818
	2017	255,134	8,568	15,201	248,501	4,381	51,862	194,464
South Sudan	2014	490	..	..	490	46	47	431
	2015	578	..	..	578	54	45	529
	2016	606	..	..	606	56	47	554
	2017	542	..	..	542	50	39	498
St. Helena and Depend.	2014	10	..	..	10	1,720	*1	9
	2015	10	..	..	10	1,726	*1	9
	2016	11	..	..	11	1,767	*1	9
	2017	11	..	..	11	1,885	*1	9
Sudan	2014	11,492	443	..	11,935	316	2,614	9,710
	2015	13,158	129	5	13,282	344	2,995	10,580
	2016	14,540	439	6	14,973	378	3,194	11,799
	2017	15,659	891	..	16,550	408	3,381	12,961
Togo	2014	358	857	..	1,215	168	192	1,023
	2015	444	857	..	1,301	175	200	1,138
	2016	950	448	..	1,398	184	215	1,185
	2017	690	747	..	1,436	184	134	1,313

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Tunisia	2014	19,024	536	625	18,935	1,699	3,723	15,190
	2015	19,676	403	500	19,579	1,737	4,665	15,437
	2016	19,808	134	255	19,687	1,726	3,976	15,569
	2017	20,589	450	483	20,556	1,783	4,364	16,113
Uganda	2014	3,551	33	168	3,416	88	648	2,768
	2015	3,473	48	122	3,399	85	608	2,791
	2016	3,535	41	265	3,310	80	656	2,654
	2017	3,856	13	317	3,553	83	609	2,944
United Rep. of Tanzania	2014	6,216	59	..	6,275	120	1,150	4,976
	2015	6,487	71	..	6,558	122	1,135	5,250
	2016	7,895	102	..	7,997	144	1,239	5,370
	2017	7,978	106	..	8,084	141	1,253	5,933
Zambia	2014	14,455	13	1,256	13,212	846	2,493	10,719
	2015	13,440	785	1,176	13,050	811	1,600	11,450
	2016	11,695	2,185	794	13,086	789	2,228	10,858
	2017	14,185	753	1,063	13,875	812	1,649	12,192
Zimbabwe	2014	9,812	1,127	1,226	9,713	715	1,832	8,238
	2015	9,522	1,139	1,239	9,422	682	1,843	6,876
	2016	7,090	2,220	369	8,941	637	1,568	7,282
	2017	7,544	2,569	351	9,762	686	1,872	7,732
America, North	2014	5,435,057	84,775	77,147	5,442,685	9,622	789,664	4,658,477
	2015	5,431,643	89,216	82,359	5,438,500	9,528	796,461	4,625,575
	2016	5,448,966	84,438	87,253	5,446,151	9,456	773,691	4,670,507
	2017	5,403,962	81,746	86,308	5,399,400	9,292	812,108	4,633,779
Anguilla	2014	90	..	..	90	6,190	11	*78
	2015	95	..	..	95	6,468	13	*81
	2016	104	..	..	104	7,010	12	*91
	2017	80	..	..	80	5,359	*12	*68
Antigua and Barbuda	2014	*338	..	..	*338	*3,418	*96	*242
	2015	*347	..	..	*347	*3,473	*97	*250
	2016	*353	..	..	*353	*3,496	*100	*253
	2017	*353	..	..	*353	*3,460	*98	*255
Aruba	2014	*917	..	..	*917	*8,831	138	*779
	2015	*932	..	..	*932	*8,928	153	*778
	2016	*947	..	..	*947	*9,032	*158	*789
	2017	*978	..	..	*978	*9,295	*165	*813
Bahamas	2014	1,922	..	..	1,922	5,029	*108	1,814
	2015	1,998	..	..	1,998	5,165	*87	1,930
	2016	1,966	..	..	1,966	5,025	*86	1,965
	2017	*1,987	..	..	*1,987	*5,026	*154	*1,841
Barbados	2014	1,031	..	..	1,031	3,637	106	*924
	2015	1,043	..	..	1,043	3,671	96	*947
	2016	1,075	..	..	1,075	3,774	98	978
	2017	1,071	..	..	1,071	3,748	99	974
Belize	2014	*455	233	..	*688	*1,957	*130	558
	2015	*464	255	..	*719	*2,002	130	589
	2016	*487	253	..	*740	*2,018	*156	585
	2017	*556	230	..	*786	*2,097	160	*626
Bermuda	2014	661	..	..	661	10,594	*82	577
	2015	674	..	..	674	10,875	*84	591
	2016	665	..	..	665	10,790	*80	586
	2017	673	..	..	673	10,973	*89	585

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Bonaire, St Eustatius, Saba	2014	120	..	..	120	4,985	*32	*88
	2015	127	..	..	127	5,157	*31	*96
	2016	137	..	..	137	5,480	*36	*101
	2017	142	..	..	142	5,575	*38	*104
British Virgin Islands	2014	199	..	..	199	6,723	20	*179
	2015	*210	..	..	*210	*6,980	*30	*181
	2016	*212	..	..	*212	*6,924	*29	*183
	2017	*149	..	..	*149	*4,763	*24	*124
Canada	2014	660,826	12,808	58,574	615,060	17,275	106,230	505,684
	2015	666,580	8,726	68,447	606,859	16,881	113,731	471,567
	2016	666,621	9,302	73,455	602,468	16,602	115,162	474,350
	2017	658,399	9,900	72,100	596,199	16,279	123,348	508,721
Cayman Islands	2014	621	..	..	621	10,495	37	584
	2015	640	..	..	640	10,673	38	601
	2016	666	..	..	666	10,960	40	627
	2017	671	..	..	671	10,900	29	642
Costa Rica	2014	10,216	759	555	10,421	2,190	1,223	9,207
	2015	10,812	537	643	10,705	2,227	1,285	9,428
	2016	10,880	807	657	11,030	2,271	1,253	9,785
	2017	11,332	551	741	11,142	2,271	1,225	9,901
Cuba	2014	19,366	..	..	19,366	1,693	3,974	15,392
	2015	20,288	..	..	20,288	1,770	4,128	16,160
	2016	20,459	..	..	20,459	1,783	4,175	16,283
	2017	20,558	..	..	20,558	1,790	5,068	15,490
Curaçao	2014	872	..	..	872	5,571	222	650
	2015	843	..	..	843	5,335	161	682
	2016	884	..	..	884	5,547	224	660
	2017	891	..	..	891	5,550	227	665
Dominica	2014	147	..	..	147	2,024	11	*136
	2015	151	..	..	151	2,065	12	*139
	2016	156	..	..	156	2,120	13	*143
	2017	130	..	..	130	1,755	9	*121
Dominican Republic	2014	17,167	..	..	17,167	1,650	2,846	14,321
	2015	17,922	..	..	17,922	1,702	2,970	14,952
	2016	18,690	..	..	18,690	1,755	3,099	15,591
	2017	19,036	..	..	19,036	1,768	3,138	15,887
El Salvador	2014	6,223	589	208	6,604	1,051	823	5,950
	2015	5,996	963	64	6,895	1,092	846	5,999
	2016	6,011	1,066	78	6,999	1,103	1,004	6,073
	2017	5,467	1,675	90	7,052	1,106	1,054	6,152
Greenland	2014	488	..	..	488	8,658	28	319
	2015	520	..	..	520	9,227	29	331
	2016	490	..	..	490	8,691	27	320
	2017	518	..	..	518	9,173	29	328
Grenada	2014	201	..	..	201	1,885	21	179
	2015	207	..	..	207	1,937	23	184
	2016	218	..	..	218	2,036	29	189
	2017	227	..	..	227	2,102	31	196
Guatemala	2014	10,638	708	1,207	10,139	637	1,186	8,953
	2015	11,157	585	1,087	10,655	656	1,080	9,466
	2016	11,789	747	1,335	11,201	675	1,251	9,907
	2017	12,272	891	1,858	11,306	668	1,259	10,115

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Haiti	2014	1,033	..	..	1,033	98	632	410
	2015	1,038	..	..	1,038	97	625	411
	2016	1,084	..	..	1,084	100	634	417
	2017	1,056	..	..	1,056	96	641	422
Honduras	2014	8,398	827	505	8,720	990	1,426	7,310
	2015	8,965	679	536	9,108	1,016	1,311	7,814
	2016	8,783	195	16	8,962	983	1,336	7,617
	2017	9,345	329	25	9,649	1,041	1,402	8,247
Jamaica	2014	4,123	..	..	4,123	1,441	1,115	3,011
	2015	4,206	..	..	4,206	1,465	1,149	3,073
	2016	4,342	..	..	4,342	1,507	1,173	3,184
	2017	4,360	..	..	4,360	1,508	1,170	3,251
Mexico	2014	301,496	2,124	2,653	300,967	2,423	57,327	252,220
	2015	310,712	1,650	2,320	310,042	2,463	57,975	257,450
	2016	320,565	2,232	1,968	320,829	2,516	61,534	270,367
	2017	322,063	2,151	1,804	322,410	2,496	60,983	271,921
Montserrat	2014	*24	..	..	*24	*4,708	*3	20
	2015	*24	..	..	*24	*4,684	*3	20
	2016	*20	..	..	*20	*3,882	*1	*18
	2017	*19	..	..	*19	*3,670	*1	*18
Nicaragua	2014	4,454	22	49	4,427	736	1,087	3,325
	2015	4,580	34	22	4,592	755	1,201	3,396
	2016	4,591	205	18	4,778	777	1,157	3,665
	2017	4,525	327	1	4,851	780	1,403	3,451
Panama	2014	9,287	193	99	9,381	2,403	1,528	7,832
	2015	10,295	17	139	10,173	2,563	1,601	8,549
	2016	10,885	30	398	10,518	2,607	1,719	8,761
	2017	11,054	7	318	10,743	2,621	1,689	9,095
Puerto Rico	2014	21,316	..	..	21,316	6,172	*3,695	17,621
	2015	21,160	..	..	21,160	6,257	*3,675	17,485
	2016	20,894	..	..	20,894	6,364	*3,582	17,312
	2017	16,582	..	..	16,582	5,241	*3,024	13,557
Sint Maarten (Dutch part)	2014	*358	..	..	*358	*9,491	*32	326
	2015	*369	..	..	*369	*9,523	*33	336
	2016	*376	..	..	*376	*9,508	*34	342
	2017	*346	..	..	*346	*8,622	*51	*268
St. Kitts-Nevis	2014	*221	..	..	*221	*4,118	*41	*180
	2015	*217	..	..	*217	*4,005	*34	*184
	2016	*228	..	..	*228	*4,157	*39	*189
	2017	*217	..	..	*217	*3,919	*35	*182
St. Lucia	2014	379	..	..	379	2,151	47	332
	2015	381	..	..	381	2,152	44	338
	2016	391	..	..	391	2,199	43	348
	2017	400	..	..	400	2,238	41	360
St. Pierre-Miquelon	2014	48	..	..	48	7,711	2	46
	2015	49	..	..	49	7,727	4	45
	2016	49	..	..	49	7,740	4	45
	2017	49	..	..	49	7,706	*3	*46
St. Vincent-Grenadines	2014	141	..	..	141	1,292	20	119
	2015	145	..	..	145	1,328	32	108
	2016	152	..	..	152	1,388	42	102
	2017	*153	..	..	*153	*1,389	*42	*102

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Trinidad and Tobago	2014	9,895	..	..	9,895	7,305	588	9,306
	2015	10,300	..	..	10,300	7,573	596	9,703
	2016	10,712	..	..	10,712	7,848	596	10,092
	2017	11,033	..	..	11,033	8,058	615	10,419
Turks and Caicos Islands	2014	*227	..	..	*227	*6,728	*18	209
	2015	*239	..	..	*239	*6,960	*19	*220
	2016	*250	..	..	*250	*7,163	*20	230
	2017	*238	..	..	*238	*6,714	*22	216
United States	2014	4,340,371	66,511	13,298	4,393,584	13,829	604,630	3,788,954
	2015	4,317,159	75,770	9,100	4,383,829	13,702	602,993	3,780,836
	2016	4,322,038	69,601	9,329	4,382,310	13,602	574,599	3,807,711
	2017	4,286,423	65,685	9,371	4,342,737	13,385	604,620	3,738,117
United States Virgin Is.	2014	*788	..	..	*788	*7,498	*147	641
	2015	*797	..	..	*797	*7,591	*141	*656
	2016	*795	..	..	*795	*7,576	*146	*649
	2017	*611	..	..	*611	*5,822	*111	*499
America, South	2014	1,154,922	44,713	44,633	1,155,001	2,803	224,102	929,950
	2015	1,161,913	45,521	44,281	1,163,153	2,795	231,854	928,982
	2016	1,167,501	52,897	51,633	1,168,764	2,782	232,585	933,633
	2017	1,178,909	47,158	46,721	1,179,346	2,781	229,663	943,405
Argentina	2014	138,551	10,027	166	148,412	3,453	22,169	126,243
	2015	145,363	10,320	55	155,628	3,584	26,508	129,122
	2016	146,353	11,078	327	157,104	3,583	28,324	128,781
	2017	145,618	10,529	69	156,078	3,526	27,078	129,001
Bolivia (Plur. State of)	2014	8,561	..	..	8,561	811	997	7,392
	2015	9,123	..	..	9,123	851	1,023	7,875
	2016	9,409	..	..	9,409	864	1,286	8,201
	2017	9,964	..	..	9,964	902	1,376	8,361
Brazil	2014	590,542	33,778	3	624,317	3,057	120,317	504,001
	2015	581,228	34,642	219	615,651	2,989	122,963	492,687
	2016	578,897	41,313	518	619,692	2,984	128,089	491,605
	2017	589,327	36,511	156	625,682	2,990	127,724	497,956
Chile	2014	70,753	0	..	70,753	4,017	6,353	67,148
	2015	75,387	0	..	75,387	4,244	7,708	67,007
	2016	79,308	0	2	79,306	4,428	6,386	70,171
	2017	79,416	2	39	79,379	4,397	7,289	69,799
Colombia	2014	72,846	47	849	72,044	1,507	12,414	55,741
	2015	75,151	45	484	74,712	1,549	13,843	56,035
	2016	74,583	378	45	74,916	1,540	13,798	60,149
	2017	75,125	78	9	75,194	1,533	13,465	61,575
Ecuador	2014	24,307	837	47	25,097	1,578	3,693	21,403
	2015	25,950	512	46	26,416	1,636	3,866	22,549
	2016	27,314	82	402	26,994	1,647	3,955	23,038
	2017	28,033	19	212	27,840	1,675	3,899	23,972
Falkland Is. (Malvinas)	2014	18	..	..	18	6,295	*1	*18
	2015	19	..	..	19	6,496	*1	*18
	2016	21	..	..	21	7,122	*3	*18
	2017	20	..	..	20	6,704	*2	*18
Guyana	2014	980	..	..	980	1,283	244	735
	2015	1,039	..	..	1,039	1,352	250	789
	2016	1,082	..	..	1,082	1,399	256	826
	2017	1,127	..	..	1,127	1,448	267	859

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Paraguay	2014	55,282	..	41,400	13,882	2,119	3,850	10,030
	2015	55,744	..	41,127	14,618	2,202	4,041	10,576
	2016	63,771	..	48,415	15,356	2,283	4,344	11,012
	2017	59,685	..	43,635	16,051	2,356	4,496	11,555
Peru	2014	45,508	0	13	45,495	1,469	5,818	39,719
	2015	48,277	1	55	48,223	1,537	5,891	42,334
	2016	52,720	22	38	52,704	1,659	7,315	45,390
	2017	52,743	17	0	52,760	1,640	6,295	46,464
Suriname	2014	2,073	..	..	2,073	3,784	263	1,768
	2015	2,084	..	..	2,084	3,767	312	1,772
	2016	2,027	..	..	2,027	3,630	250	1,772
	2017	2,117	..	..	2,117	3,758	310	1,773
Uruguay	2014	13,008	0	1,267	11,742	3,434	1,720	10,132
	2015	13,733	2	1,321	12,413	3,617	1,987	10,537
	2016	13,886	25	779	13,131	3,813	2,118	11,112
	2017	14,319	3	1,462	12,860	3,720	2,043	10,866
Venezuela (Bolivar. Rep.)	2014	132,492	24	889	131,627	4,282	46,263	85,620
	2015	128,815	0	974	127,841	4,103	43,460	87,680
	2016	118,130	0	1,107	117,023	3,707	36,460	81,558
	2017	121,415	0	1,140	120,275	3,761	35,419	81,206
Asia	2014	11,528,553	84,615	74,078	11,539,090	2,636	1,924,514	9,564,930
	2015	11,866,287	91,662	72,793	11,885,156	2,689	1,943,761	9,882,823
	2016	12,393,387	96,289	84,113	12,405,563	2,779	2,056,869	10,315,728
	2017	12,985,804	98,499	98,896	12,985,407	2,882	2,151,147	10,815,469
Afghanistan	2014	*1,049	3,711	..	4,760	145	*558	*3,767
	2015	*1,034	3,779	..	4,813	143	*660	*3,888
	2016	*1,076	4,333	..	5,409	156	*740	*4,386
	2017	*1,098	4,611	..	5,710	161	*798	*4,515
Armenia	2014	7,750	206	1,314	6,642	2,285	1,290	5,353
	2015	7,799	174	1,424	6,549	2,245	1,181	5,368
	2016	7,315	275	1,229	6,361	2,175	1,033	5,328
	2017	7,766	320	1,440	6,645	2,268	1,023	5,632
Azerbaijan	2014	24,728	124	489	24,363	2,564	7,368	16,907
	2015	24,688	108	265	24,531	2,551	6,805	17,619
	2016	24,953	114	1,096	23,971	2,465	6,310	17,618
	2017	24,320	108	1,283	23,146	2,355	6,029	17,085
Bahrain	2014	27,203	109	95	27,217	20,366	612	26,186
	2015	28,461	109	95	28,475	20,757	647	27,815
	2016	28,479	137	151	28,465	19,973	636	27,749
	2017	29,193	263	260	29,196	19,561	672	27,765
Bangladesh	2014	55,880	..	..	55,880	351	9,577	45,965
	2015	59,045	..	..	59,045	366	9,868	48,570
	2016	68,911	..	..	68,911	423	10,465	56,681
	2017	73,158	..	..	73,158	444	11,150	60,173
Bhutan	2014	7,164	159	5,147	2,177	2,803	81	2,004
	2015	7,747	125	5,721	2,151	2,731	67	2,057
	2016	7,954	84	5,763	2,275	2,851	*266	2,009
	2017	7,730	92	5,701	2,121	2,626	58	2,186
Brunei Darussalam	2014	4,506	..	..	4,506	10,945	1,148	3,357
	2015	4,200	..	..	4,200	10,059	1,035	3,391
	2016	4,270	..	..	4,270	10,090	1,043	3,227
	2017	4,158	..	..	4,158	9,699	1,044	3,112

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Cambodia	2014	3,062	1,803	..	4,865	319	807	4,058
	2015	4,397	1,526	..	5,923	382	939	4,984
	2016	5,594	1,583	..	7,177	455	1,122	6,053
	2017	6,998	1,480	..	8,478	530	1,704	6,774
China	2014	5,649,583	6,750	18,158	5,638,175	4,056	951,993	4,686,376
	2015	5,814,573	6,210	18,654	5,802,129	4,153	970,593	4,831,403
	2016	6,145,886	6,185	18,907	6,133,164	4,370	1,031,448	5,101,661
	2017	6,495,143	6,423	19,470	6,482,096	4,599	1,075,690	5,406,407
China, Hong Kong SAR	2014	39,803	10,288	1,226	48,865	6,792	4,986	43,880
	2015	37,924	11,742	1,187	48,479	6,691	4,567	43,912
	2016	38,154	11,621	1,205	48,570	6,651	4,542	44,028
	2017	36,970	12,576	1,341	48,205	6,545	4,373	43,832
China, Macao SAR	2014	641	4,099	..	4,740	8,051	210	4,530
	2015	962	4,054	..	5,016	8,347	185	4,831
	2016	988	4,306	..	5,294	8,648	218	5,076
	2017	1,465	3,952	..	5,417	8,701	207	5,209
Cyprus	2014	4,350	..	..	4,350	3,775	385	3,965
	2015	4,533	..	..	4,533	3,904	443	4,091
	2016	4,887	..	..	4,887	4,176	487	4,399
	2017	5,004	..	..	5,004	4,242	459	4,541
Georgia	2014	10,371	853	604	10,619	2,660	834	9,784
	2015	10,833	699	660	10,872	2,751	966	9,907
	2016	11,574	1,329	1,409	11,494	2,928	1,007	10,487
	2017	11,531	1,751	940	12,343	3,155	1,134	11,209
India	2014	1,308,873	4,998	4,433	1,309,438	1,012	326,782	948,327
	2015	1,354,382	5,244	5,150	1,354,476	1,035	325,460	1,029,080
	2016	1,432,358	5,617	6,710	1,431,265	1,081	349,710	1,066,268
	2017	1,490,293	5,611	7,203	1,488,701	1,112	365,645	1,130,328
Indonesia	2014	234,549	9	..	234,558	919	32,018	198,355
	2015	267,287	13	..	267,300	1,035	34,895	212,767
	2016	233,367	1	..	233,368	894	32,618	215,781
	2017	*283,647	1,120	..	*284,767	*1,079	38,955	244,637
Iran (Islamic Rep. of)	2014	274,437	3,772	9,660	268,549	3,425	46,124	221,428
	2015	280,633	4,148	6,822	277,959	3,502	44,863	232,820
	2016	289,108	4,221	6,688	286,641	3,571	45,385	240,955
	2017	307,982	3,852	8,172	303,662	3,741	46,413	252,035
Iraq	2014	67,768	12,251	..	80,019	2,286	36,025	43,993
	2015	*68,688	13,104	..	*81,792	*2,265	32,887	42,035
	2016	80,030	11,965	..	91,995	2,473	50,981	38,733
	2017	83,890	11,787	..	95,677	2,500	56,657	38,377
Israel	2014	60,813	..	4,844	55,969	7,048	4,610	51,318
	2015	64,226	..	5,197	59,029	7,320	5,169	54,022
	2016	66,976	..	5,553	61,423	7,498	5,731	55,688
	2017	67,675	..	5,649	62,026	7,454	5,442	56,293
Japan	2014	1,076,066	..	..	1,076,066	8,396	96,004	973,661
	2015	1,058,748	..	..	1,058,748	8,273	91,743	949,492
	2016	1,060,974	..	..	1,060,974	8,305	99,780	949,785
	2017	1,068,322	..	..	1,068,322	8,380	96,593	963,905
Jordan	2014	18,270	435	64	18,641	2,116	3,300	15,321
	2015	19,012	1,768	145	20,634	2,253	3,452	16,528
	2016	*19,730	977	133	*20,574	*2,176	3,571	16,804
	2017	*20,760	150	167	*20,743	*2,138	3,409	17,573

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Kazakhstan	2014	105,068	1,749	2,917	103,900	5,941	34,636	68,900
	2015	106,468	1,618	1,614	106,472	5,999	38,591	68,198
	2016	106,626	1,319	2,572	105,373	5,858	39,483	65,898
	2017	103,128	1,327	5,692	98,763	5,425	37,214	69,576
Korea, Dem.Ppl's.Rep.	2014	17,909	..	..	17,909	713	4,531	13,378
	2015	13,737	..	..	13,737	544	3,475	10,262
	2016	16,926	..	..	16,926	667	4,281	12,645
	2017	15,163	..	..	15,163	595	3,834	11,328
Korea, Republic of	2014	550,934	..	..	550,934	10,934	58,053	486,834
	2015	552,697	..	..	552,697	10,924	57,870	495,311
	2016	562,603	..	..	562,603	11,077	58,581	517,271
	2017	566,881	..	..	566,881	11,119	60,499	523,238
Kuwait	2014	65,140	136	178	65,098	17,211	27,535	37,563
	2015	68,288	133	175	68,246	17,340	28,810	39,436
	2016	70,085	171	213	70,043	17,284	29,622	40,421
	2017	72,790	553	390	72,953	17,636	30,470	42,483
Kyrgyzstan	2014	14,572	286	72	14,786	2,561	3,802	10,984
	2015	13,030	729	184	13,575	2,314	2,988	10,587
	2016	13,262	330	199	13,393	2,249	3,105	10,160
	2017	15,514	..	1,215	14,299	2,365	3,162	11,008
Lao People's Dem. Rep.	2014	15,640	1,559	11,936	5,263	800	1,456	3,791
	2015	16,730	2,050	11,559	7,221	1,084	2,794	4,239
	2016	25,068	787	*18,693	7,163	1,060	*2,502	4,660
	2017	31,550	*512	*23,527	8,536	1,245	*3,520	4,966
Lebanon	2014	19,777	136	..	19,913	3,180	*1,798	*18,116
	2015	20,720	268	..	20,988	3,213	*1,903	*19,085
	2016	21,457	69	..	21,526	3,206	*1,963	*19,563
	2017	23,411	534	..	23,945	3,511	*2,192	*21,753
Malaysia	2014	147,461	23	12	147,472	4,879	19,139	128,333
	2015	150,123	13	3	150,133	4,887	17,934	132,199
	2016	156,665	33	694	156,004	5,002	11,980	144,024
	2017	164,509	7	1,124	163,392	5,167	16,875	146,520
Maldives	2014	543	..	..	543	1,248	*40	*502
	2015	602	..	..	602	1,324	*45	*557
	2016	651	..	..	651	1,369	*58	*593
	2017	*656	..	..	*656	*1,322	*59	*597
Mongolia	2014	5,376	1,349	33	6,692	2,289	1,565	5,159
	2015	5,513	1,417	51	6,879	2,311	1,561	5,284
	2016	5,667	1,446	36	7,077	2,338	1,566	5,446
	2017	6,027	1,574	26	7,576	2,463	1,627	5,949
Myanmar	2014	14,156	..	..	14,156	273	2,901	11,255
	2015	15,970	..	..	15,970	305	2,573	13,397
	2016	17,867	..	..	17,867	338	2,385	*15,482
	2017	*19,477	..	*1,393	*18,084	*339	*1,346	*16,738
Nepal	2014	3,508	1,319	3	4,823	170	*1,215	3,491
	2015	3,503	1,758	3	5,258	183	1,354	3,896
	2016	4,244	2,175	3	6,416	221	1,481	4,925
	2017	4,639	2,582	3	7,218	246	1,498	5,710
Oman	2014	29,128	..	..	29,128	7,354	3,955	25,173
	2015	32,758	..	..	32,758	7,800	3,846	28,912
	2016	34,228	..	..	34,228	7,736	3,869	30,359
	2017	36,126	..	..	36,126	7,792	3,776	32,350

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Other Asia	2014	260,025	..	..	260,025	11,106	28,023	231,999
	2015	258,025	..	..	258,025	10,986	27,254	230,764
	2016	264,682	..	..	264,682	11,236	27,617	236,448
	2017	268,406	..	..	268,406	11,360	28,717	241,504
Pakistan	2014	108,150	..	..	108,150	583	20,915	85,818
	2015	110,128	522	..	110,650	584	21,064	90,429
	2016	115,502	655	..	116,157	601	22,325	95,530
	2017	123,533	433	..	123,966	629	24,408	103,273
Philippines	2014	77,476	..	..	77,476	774	14,097	63,345
	2015	82,905	..	..	82,905	815	15,063	67,808
	2016	91,789	..	..	91,789	888	17,601	74,154
	2017	95,747	..	..	95,747	913	17,917	77,793
Qatar	2014	38,692	..	..	38,692	16,295	4,909	33,784
	2015	41,499	..	..	41,499	16,723	5,122	36,378
	2016	42,307	..	..	42,307	16,463	5,174	37,134
	2017	45,555	..	..	45,555	17,261	5,526	40,030
Saudi Arabia	2014	311,804	466	515	311,754	10,130	39,693	272,115
	2015	338,331	461	512	338,280	10,720	45,893	284,618
	2016	345,104	343	1,062	344,384	10,670	47,655	283,648
	2017	355,079	3	38	355,044	10,779	55,508	275,286
Singapore	2014	49,348	..	..	49,348	9,057	2,586	46,403
	2015	50,341	..	..	50,341	9,095	2,497	47,514
	2016	51,733	..	..	51,733	9,201	2,577	48,626
	2017	52,394	..	..	52,394	9,178	2,585	49,578
Sri Lanka	2014	12,862	..	..	12,862	624	1,864	10,997
	2015	13,227	..	..	13,227	639	1,486	11,741
	2016	14,364	..	..	14,364	691	1,631	12,715
	2017	15,004	..	..	15,004	719	1,516	13,489
State of Palestine	2014	340	4,935	..	5,275	1,163	634	4,642
	2015	515	5,413	..	5,928	1,271	711	5,216
	2016	537	5,473	..	6,010	1,255	721	5,289
	2017	546	5,577	..	6,123	1,244	735	5,388
Syrian Arab Republic	2014	21,726	..	138	21,588	1,124	5,835	15,753
	2015	17,881	..	262	17,619	940	4,654	12,965
	2016	18,112	..	67	18,045	979	4,912	13,133
	2017	18,231	..	543	17,688	968	4,469	13,220
Tajikistan	2014	16,472	13	1,366	15,119	1,808	2,891	12,344
	2015	17,162	63	1,400	15,825	1,851	2,790	12,446
	2016	17,232	103	1,427	15,908	1,821	2,846	12,922
	2017	18,144	110	1,421	16,833	1,887	*3,170	13,774
Thailand	2014	172,259	12,289	1,594	182,954	2,674	16,476	168,848
	2015	177,479	14,441	2,267	189,653	2,762	15,120	174,116
	2016	191,010	19,853	1,385	209,478	3,042	15,525	185,036
	2017	186,546	24,455	1,106	209,895	3,040	14,970	185,315
Timor-Leste	2014	349	..	..	349	288	*91	*258
	2015	350	..	..	350	282	*96	254
	2016	413	..	..	413	325	*80	333
	2017	427	..	..	427	329	*85	*342
Turkey	2014	251,963	7,953	2,696	257,220	3,339	51,778	205,442
	2015	261,783	7,136	3,195	265,724	3,395	51,223	214,501
	2016	274,408	6,330	1,452	279,286	3,512	51,116	228,170
	2017	297,277	2,728	3,304	296,701	3,675	50,807	245,894

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Turkmenistan	2014	20,400	..	3,210	17,190	3,145	6,101	11,089
	2015	22,534	..	3,201	19,333	3,474	6,860	12,473
	2016	22,534	..	3,201	19,333	3,414	6,860	12,473
	2017	22,534	..	3,201	19,333	3,358	6,860	12,473
United Arab Emirates	2014	116,528	248	276	116,501	12,843	13,206	101,174
	2015	127,366	234	249	127,351	13,912	13,570	111,076
	2016	129,596	1,141	506	130,231	14,049	12,089	*113,929
	2017	134,553	514	617	134,450	14,303	19,205	115,245
Uzbekistan	2014	56,207	231	1,447	54,991	1,803	9,200	45,791
	2015	57,871	0	1,088	56,783	1,833	9,433	47,350
	2016	59,318	0	1,543	57,774	1,837	9,272	48,248
	2017	61,038	1,143	1,847	60,333	1,891	9,984	50,350
Viet Nam	2014	140,219	2,356	1,650	140,925	1,523	*17,710	128,627
	2015	163,494	2,604	1,711	164,387	1,757	*18,286	143,683
	2016	181,653	3,313	2,215	182,751	1,932	*19,001	159,791
	2017	198,499	2,352	1,825	199,026	2,083	19,267	174,653
Yemen	2014	7,655	..	..	7,655	292	3,168	4,487
	2015	6,087	..	..	6,087	226	2,471	3,547
	2016	5,161	..	..	5,161	187	1,899	3,987
	2017	5,316	..	..	5,316	188	1,891	4,059
Europe	2014	4,782,523	456,977	468,017	4,771,482	6,427	898,336	3,848,988
	2015	4,816,237	485,564	494,054	4,807,747	6,470	913,139	3,872,150
	2016	4,866,855	447,665	459,231	4,855,288	6,528	912,697	3,917,488
	2017	4,887,319	460,556	465,014	4,882,861	6,560	904,055	3,957,008
Albania	2014	4,724	3,250	183	7,791	2,668	1,268	6,523
	2015	5,895	2,355	956	7,294	2,495	1,397	5,897
	2016	7,136	1,827	1,869	7,094	2,424	2,127	5,095
	2017	4,526	2,915	0	7,441	2,539	1,483	5,956
Andorra	2014	127	439	0	566	7,141	68	475
	2015	99	471	0	570	7,303	68	484
	2016	99	485	0	584	7,551	67	491
	2017	*106	470	0	576	7,479	67	490
Austria	2014	65,438	26,712	17,437	74,713	8,654	14,521	60,193
	2015	65,197	29,389	19,328	75,258	8,672	14,175	61,082
	2016	68,308	26,366	19,207	75,467	8,662	13,428	62,040
	2017	71,323	29,362	22,817	77,868	8,914	15,082	62,789
Belarus	2014	34,735	7,806	4,488	38,053	4,012	7,833	30,220
	2015	34,082	6,104	3,482	36,704	3,869	7,416	29,288
	2016	33,566	6,319	3,298	36,587	3,859	7,211	29,376
	2017	34,515	5,992	3,407	37,100	3,918	7,148	29,952
Belgium	2014	72,672	21,791	4,188	90,275	8,047	9,488	81,153
	2015	69,849	23,714	2,715	90,848	8,048	9,133	81,708
	2016	85,809	14,648	8,465	91,992	8,099	10,082	82,114
	2017	86,608	14,189	8,168	92,629	8,104	10,512	81,920
Bosnia and Herzegovina	2014	16,160	3,162	5,998	13,324	3,736	2,737	10,587
	2015	15,629	3,872	6,007	13,494	3,816	2,819	10,675
	2016	17,767	3,084	6,841	14,010	3,984	2,922	11,088
	2017	16,439	3,346	5,187	14,598	4,163	3,187	11,398
Bulgaria	2014	47,485	4,319	13,774	38,030	5,266	10,298	27,674
	2015	49,228	4,251	14,826	38,653	5,385	10,305	28,326
	2016	45,277	4,568	10,940	38,905	5,455	9,966	28,898
	2017	45,612	3,705	9,186	40,131	5,665	10,177	29,907

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Croatia	2014	13,554	10,898	6,945	17,507	4,112	2,674	14,833
	2015	11,403	13,158	6,369	18,192	4,295	2,849	15,343
	2016	12,820	12,398	6,867	18,351	4,356	3,051	15,300
	2017	11,986	12,158	5,204	18,940	4,521	2,961	15,982
Czechia	2014	86,148	11,842	28,142	69,848	6,590	14,112	53,216
	2015	83,892	16,146	28,661	71,377	6,731	14,611	54,477
	2016	83,309	13,817	24,791	72,335	6,817	14,339	55,852
	2017	87,049	15,072	28,109	74,012	6,970	14,794	57,334
Denmark	2014	32,185	12,702	9,847	35,040	6,187	4,137	30,775
	2015	28,935	15,645	9,733	34,847	6,126	3,686	30,849
	2016	30,536	14,976	9,919	35,593	6,231	4,269	31,106
	2017	31,040	15,218	10,655	35,603	6,210	4,002	31,299
Estonia	2014	12,446	3,730	6,484	9,692	7,352	2,786	6,906
	2015	10,398	5,452	6,377	9,473	7,202	2,621	6,852
	2016	12,176	3,577	5,614	10,139	7,725	3,000	7,299
	2017	12,904	2,281	5,015	10,170	7,766	2,952	7,218
Faeroe Islands	2014	305	..	..	305	6,253	*22	284
	2015	314	..	..	314	6,421	*26	288
	2016	317	..	..	317	6,461	*26	291
	2017	334	..	..	334	6,782	*28	306
Finland	2014	68,094	21,622	3,655	86,061	15,763	6,692	79,145
	2015	68,597	21,459	5,122	84,934	15,493	6,077	78,468
	2016	68,754	22,110	3,159	87,705	15,937	6,485	80,831
	2017	67,522	22,204	1,779	87,947	15,923	6,488	81,039
France	2014	572,331	7,873	75,063	505,141	7,605	72,931	422,601
	2015	579,195	9,961	74,024	515,132	7,723	73,795	432,425
	2016	564,416	19,903	61,404	522,915	7,806	74,898	439,457
	2017	562,147	21,134	61,248	522,033	7,761	76,437	436,863
Germany	2014	627,795	40,435	74,320	593,910	7,288	81,074	512,835
	2015	646,888	37,008	85,290	598,606	7,326	83,875	514,731
	2016	649,119	28,338	78,863	598,594	7,308	81,217	517,377
	2017	653,736	27,842	80,301	601,277	7,322	82,318	518,959
Gibraltar	2014	198	..	..	198	5,817	10	188
	2015	224	..	..	224	6,544	11	213
	2016	254	..	..	254	7,382	13	241
	2017	274	..	..	274	7,926	13	260
Greece	2014	50,474	9,461	642	59,293	5,264	9,793	49,500
	2015	51,874	11,081	1,473	61,482	5,481	10,695	50,787
	2016	54,439	9,833	1,037	63,235	5,654	9,872	53,363
	2017	55,266	8,696	2,459	61,503	5,511	7,534	53,971
Guernsey	2014	227	156	..	383	6,182	19	365
	2015	157	218	..	375	6,139	28	347
	2016	87	285	..	372	6,170	23	349
	2017	77	294	..	371	6,208	17	354
Hungary	2014	29,403	19,079	5,689	42,793	4,361	7,055	34,737
	2015	30,360	19,935	6,249	44,046	4,502	7,053	36,291
	2016	31,902	17,951	5,240	44,613	4,574	7,030	37,152
	2017	32,871	19,803	6,925	45,749	4,706	6,805	38,487
Iceland	2014	18,123	..	..	18,123	55,176	997	16,830
	2015	18,799	..	..	18,799	56,925	1,012	17,470
	2016	18,550	..	..	18,550	55,794	1,043	17,303
	2017	19,239	..	..	19,239	57,426	1,152	17,893

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Ireland	2014	26,088	2,853	704	28,237	6,025	3,482	24,137
	2015	28,389	1,752	1,079	29,062	6,183	3,511	25,073
	2016	30,513	871	1,583	29,801	6,306	3,605	25,574
	2017	30,874	1,116	1,795	30,195	6,341	3,480	25,851
Isle of Man	2014	465	42	93	414	5,013	*30	368
	2015	435	63	87	411	4,942	*30	367
	2016	433	65	105	393	4,693	*30	362
	2017	467	41	95	413	4,896	*30	363
Italy	2014	279,827	46,747	3,031	323,543	5,427	42,046	281,498
	2015	282,994	50,849	4,471	329,372	5,532	41,889	287,483
	2016	289,768	43,181	6,154	326,795	5,496	40,768	286,027
	2017	295,833	42,895	5,134	333,594	5,617	41,628	291,966
Jersey	2014	108	566	..	674	6,673	60	615
	2015	48	625	..	673	6,554	52	622
	2016	70	614	..	684	6,562	47	637
	2017	49	626	..	674	6,392	53	620
Kosovo	2014	5,436	966	475	5,927	3,253	1,252	4,674
	2015	6,119	684	553	6,250	3,469	1,617	4,622
	2016	5,981	557	1,064	5,474	3,014	1,604	3,871
	2017	5,919	1,242	880	6,281	3,431	1,935	4,337
Latvia	2014	5,139	5,340	3,023	7,456	3,698	872	6,582
	2015	5,533	5,246	3,425	7,354	3,691	891	6,461
	2016	6,425	4,828	3,795	7,458	3,785	974	6,482
	2017	7,531	4,073	4,137	7,467	3,830	980	6,485
Liechtenstein	2014	41	355	..	396	10,674	0	396
	2015	70	325	..	395	10,566	0	395
	2016	90	309	..	399	10,593	0	399
	2017	93	314	..	407	10,722	0	407
Lithuania	2014	4,397	8,521	898	12,020	4,058	2,780	9,237
	2015	4,933	7,938	730	12,141	4,141	2,797	9,342
	2016	4,266	11,106	2,831	12,541	4,312	2,788	9,750
	2017	4,187	11,926	3,249	12,864	4,451	2,802	10,058
Luxembourg	2014	2,966	6,961	2,067	7,860	14,129	1,677	6,181
	2015	2,766	7,519	1,919	8,366	14,762	2,137	6,224
	2016	2,196	7,718	1,420	8,494	14,753	2,129	6,366
	2017	2,234	7,567	1,389	8,412	14,418	2,019	6,393
Malta	2014	2,245	..	..	2,245	5,275	240	2,005
	2015	1,305	1,054	..	2,359	5,517	243	2,114
	2016	858	1,525	..	2,383	5,550	267	2,114
	2017	1,645	897	36	2,506	5,817	174	2,332
Montenegro	2014	3,173	903	642	3,434	5,471	824	2,610
	2015	3,003	1,040	517	3,526	5,613	717	2,679
	2016	3,141	1,210	906	3,445	5,480	659	2,671
	2017	2,483	1,537	417	3,603	5,729	631	2,855
Netherlands	2014	103,359	32,855	18,128	118,086	6,992	15,171	101,699
	2015	110,389	30,760	22,012	119,137	7,034	15,846	104,363
	2016	115,211	24,258	19,343	120,126	7,072	15,597	106,015
	2017	117,263	22,458	18,952	120,769	7,089	15,011	105,646
North Macedonia	2014	5,374	3,073	113	8,334	4,011	1,604	6,729
	2015	5,646	2,656	143	8,159	3,924	1,524	6,635
	2016	5,630	2,191	160	7,660	3,681	1,467	6,193
	2017	5,600	2,294	311	7,583	3,640	1,481	6,102

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
Norway	2014	141,970	6,347	21,932	126,385	24,587	16,349	108,582
	2015	144,546	7,371	22,016	129,901	24,982	17,317	111,077
	2016	149,630	5,740	22,151	133,219	25,352	18,760	113,645
	2017	149,359	6,111	21,276	134,194	25,294	19,785	113,696
Poland	2014	159,059	13,508	11,342	161,225	4,210	35,878	125,346
	2015	164,944	14,459	14,793	164,610	4,302	36,791	127,819
	2016	166,635	14,017	12,018	168,634	4,412	35,795	132,839
	2017	170,467	13,271	10,984	172,754	4,526	36,965	135,788
Portugal	2014	52,802	7,247	6,344	53,705	5,129	8,509	45,195
	2015	52,420	8,077	5,811	54,686	5,249	8,871	45,812
	2016	60,328	4,616	9,701	55,243	5,326	8,852	46,395
	2017	59,434	5,506	8,190	56,750	5,494	10,109	46,642
Republic of Moldova	2014	3,573	731	..	4,304	1,058	656	3,649
	2015	4,239	18	..	4,257	1,047	568	3,686
	2016	4,230	4	..	4,234	1,043	609	3,622
	2017	*3,174	1,134	..	*4,308	*1,063	604	3,704
Romania	2014	65,676	2,811	9,937	58,550	2,931	16,593	41,905
	2015	66,296	4,492	11,220	59,568	2,997	16,434	43,030
	2016	65,103	4,177	9,194	60,086	3,038	16,517	43,257
	2017	64,296	4,842	7,735	61,403	3,120	16,562	44,701
Russian Federation	2014	1,064,207	6,623	14,671	1,056,159	7,347	318,329	737,830
	2015	1,067,544	6,586	18,244	1,055,886	7,338	329,568	726,318
	2016	1,090,973	3,194	17,694	1,076,473	7,477	331,789	741,046
	2017	1,094,288	6,410	17,007	1,083,691	7,526	319,050	760,884
Serbia	2014	34,060	7,008	5,445	35,623	5,044	9,398	26,225
	2015	38,298	6,303	7,221	37,380	5,303	10,191	27,189
	2016	39,342	5,068	6,990	37,420	5,343	9,818	27,602
	2017	37,045	6,549	5,724	37,870	5,441	9,746	28,124
Slovakia	2014	27,401	12,964	11,862	28,503	5,246	4,330	24,157
	2015	26,903	14,999	12,611	29,291	5,385	4,905	24,371
	2016	27,064	13,249	10,598	29,715	5,458	4,712	24,987
	2017	27,738	15,563	12,535	30,766	5,648	4,940	25,803
Slovenia	2014	17,437	7,254	9,997	14,694	7,096	2,235	12,459
	2015	15,100	9,045	9,093	15,052	7,255	2,264	12,788
	2016	16,500	8,359	9,535	15,324	7,375	2,298	13,025
	2017	16,326	9,133	9,648	15,811	7,602	2,280	13,529
Spain	2014	278,750	12,310	15,716	275,344	5,919	48,374	226,897
	2015	280,911	14,956	15,089	280,778	6,052	48,696	232,038
	2016	274,772	21,845	14,178	282,439	6,094	49,273	232,515
	2017	275,726	23,762	14,593	284,895	6,146	48,854	234,571
Sweden	2014	153,663	13,852	29,475	138,040	14,247	14,045	122,191
	2015	162,112	9,294	31,894	139,512	14,289	12,491	124,859
	2016	156,010	14,287	26,022	144,275	14,666	14,392	127,496
	2017	164,250	11,896	30,888	145,258	14,657	15,550	127,254
Switzerland	2014	71,767	28,530	34,021	66,276	8,017	8,810	57,457
	2015	67,720	34,033	35,068	66,685	7,979	8,438	58,239
	2016	63,175	34,096	30,173	67,098	7,951	8,859	58,230
	2017	63,089	36,496	30,946	68,639	8,062	10,155	58,470
Ukraine	2014	182,815	89	8,523	174,381	3,885	40,594	128,387
	2015	163,682	2,241	3,591	162,332	3,635	37,509	118,989
	2016	164,573	77	3,830	160,820	3,619	37,127	117,440
	2017	156,037	50	5,226	150,861	3,411	33,940	117,366

Table 33

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
United Kingdom	2014	338,100	23,244	2,723	358,621	5,516	55,684	302,938
	2015	338,876	22,961	1,855	359,982	5,505	56,189	303,555
	2016	339,298	20,018	2,273	357,043	5,427	52,892	303,904
	2017	338,338	18,167	3,407	353,098	5,335	52,133	300,683
Oceania	2014	302,610	..	..	302,610	7,766	45,468	257,632
	2015	307,362	..	..	307,362	7,774	46,050	261,703
	2016	312,388	..	..	312,388	7,788	50,826	261,683
	2017	314,716	..	..	314,716	7,735	53,413	260,966
American Samoa	2014	155	..	..	155	2,787	20	135
	2015	161	..	..	161	2,901	20	137
	2016	*170	..	..	*170	*3,050	23	148
	2017	*171	..	..	*171	*3,073	*21	*150
Australia	2014	247,451	..	..	247,451	10,541	39,606	207,845
	2015	251,415	..	..	251,415	10,564	40,098	211,317
	2016	256,563	..	..	256,563	10,634	44,899	211,664
	2017	258,018	..	..	258,018	10,553	47,339	210,677
Cook Islands	2014	*32	..	..	*32	*1,808	0	32
	2015	*29	..	..	*29	*1,685	0	29
	2016	*33	..	..	*33	*1,910	0	33
	2017	*37	..	..	*37	*2,106	0	36
Fiji	2014	859	..	..	859	970	*93	783
	2015	914	..	..	914	1,025	83	826
	2016	934	..	..	934	1,039	*88	842
	2017	1,008	..	..	1,008	1,113	*105	902
French Polynesia	2014	*630	..	..	*630	*2,287	*45	*585
	2015	*628	..	..	*628	*2,260	*44	*584
	2016	*639	..	..	*639	*2,279	*45	*582
	2017	*634	..	..	*634	*2,239	*40	*594
Guam	2014	*1,703	..	..	*1,703	*10,581	*170	1,533
	2015	1,702	..	..	1,702	10,519	162	1,540
	2016	1,720	..	..	1,720	10,558	146	1,574
	2017	1,760	..	..	1,760	10,717	150	1,610
Kiribati	2014	*26	..	..	*26	*231	5	*20
	2015	*28	..	..	*28	*245	*5	*20
	2016	*31	..	..	*31	*273	*6	*25
	2017	*31	..	..	*31	*268	*6	*25
Marshall Islands	2014	*86	..	..	*86	*1,626	*11	*75
	2015	*87	..	..	*87	*1,632	*11	*75
	2016	*88	..	..	*88	*1,649	*11	*76
	2017	*89	..	..	*89	*1,677	*12	*78
Micronesia (Fed. States of)	2014	69	..	..	69	660	*17	*51
	2015	67	..	..	67	639	*21	46
	2016	*68	..	..	*68	*644	*22	*46
	2017	*69	..	..	*69	*650	*22	*47
Nauru	2014	*25	..	..	*25	*2,267	*2	*23
	2015	*25	..	..	*25	*2,229	*2	*23
	2016	32	..	..	32	2,827	*2	*30
	2017	36	..	..	36	3,163	*4	*32
New Caledonia	2014	3,011	..	..	3,011	11,340	58	2,953
	2015	2,903	..	..	2,903	10,788	61	2,842
	2016	3,130	..	..	3,130	11,478	90	3,040
	2017	3,228	..	..	3,228	11,686	68	3,160

Electricity supply and consumption

Gigawatt-hours and kilowatt-hours per capita

Country or area	Year	Production	Imports	Exports	Supply		Consumption	
					Total	Per capita	EIOU+losses	TFC
New Zealand	2014	43,512	..	..	43,512	9,528	4,771	39,219
	2015	44,184	..	..	44,184	9,575	4,942	39,649
	2016	43,639	..	..	43,639	9,363	4,889	38,889
	2017	44,214	..	..	44,214	9,396	4,966	38,913
Niue	2014	3	..	..	3	1,997	0	3
	2015	3	..	..	3	2,082	0	3
	2016	*3	..	..	*3	*2,094	0	*3
	2017	*3	..	..	*3	*2,101	0	*3
Northern Mariana Islands	2014	*419	..	..	*419	*7,691	*93	*326
	2015	*430	..	..	*430	*7,841	*96	*334
	2016	*387	..	..	*387	*7,030	*86	*301
	2017	*380	..	..	*380	*6,891	*85	*295
Palau	2014	*90	..	..	*90	*5,084	*20	*67
	2015	*90	..	..	*90	*5,083	*20	*67
	2016	*95	..	..	*95	*5,363	*21	*71
	2017	*95	..	..	*95	*5,347	*21	*74
Papua New Guinea	2014	4,176	..	..	4,176	538	512	3,664
	2015	4,324	..	..	4,324	546	442	3,882
	2016	4,445	..	..	4,445	550	454	3,991
	2017	4,526	..	..	4,526	549	*528	*3,998
Samoa	2014	125	..	..	125	650	*18	107
	2015	131	..	..	131	678	*15	116
	2016	149	..	..	149	766	*15	134
	2017	*148	..	..	*148	*753	*15	*133
Solomon Islands	2014	94	..	..	94	163	*12	*82
	2015	97	..	..	97	165	*14	*83
	2016	104	..	..	104	173	*14	*90
	2017	106	..	..	106	173	*16	*90
Tonga	2014	55	..	..	55	516	7	*48
	2015	55	..	..	55	521	6	*49
	2016	60	..	..	60	560	7	*53
	2017	62	..	..	62	574	8	*55
Tuvalu	2014	*5	..	..	*5	*468	0	*5
	2015	*7	..	..	*7	*645	0	*7
	2016	*8	..	..	*8	*730	0	*8
	2017	*9	..	..	*9	*768	0	*9
Vanuatu	2014	*67	..	..	*67	*257	5	61
	2015	*64	..	..	*64	*240	*5	58
	2016	*71	..	..	*71	*262	*6	65
	2017	*73	..	..	*73	*264	*5	68
Wallis and Futuna Is.	2014	*19	..	..	*19	*1,511	*3	*16
	2015	*18	..	..	*18	*1,521	*3	*16
	2016	*20	..	..	*20	*1,689	*3	*17
	2017	*20	..	..	*20	*1,665	*3	*17

Production of heat – by type

Terajoules

Table Notes

Direct use geothermal represents heat used directly for district heating, agriculture etc. without a commercial transaction taking place.

Direct use solar thermal represents heat used for the production of domestic hot water or for the seasonal heating of swimming pools (e.g. flat plate collectors, mainly of the thermosyphon type) without a commercial transaction taking place.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Figure 84: Heat production by region, 1990-2017

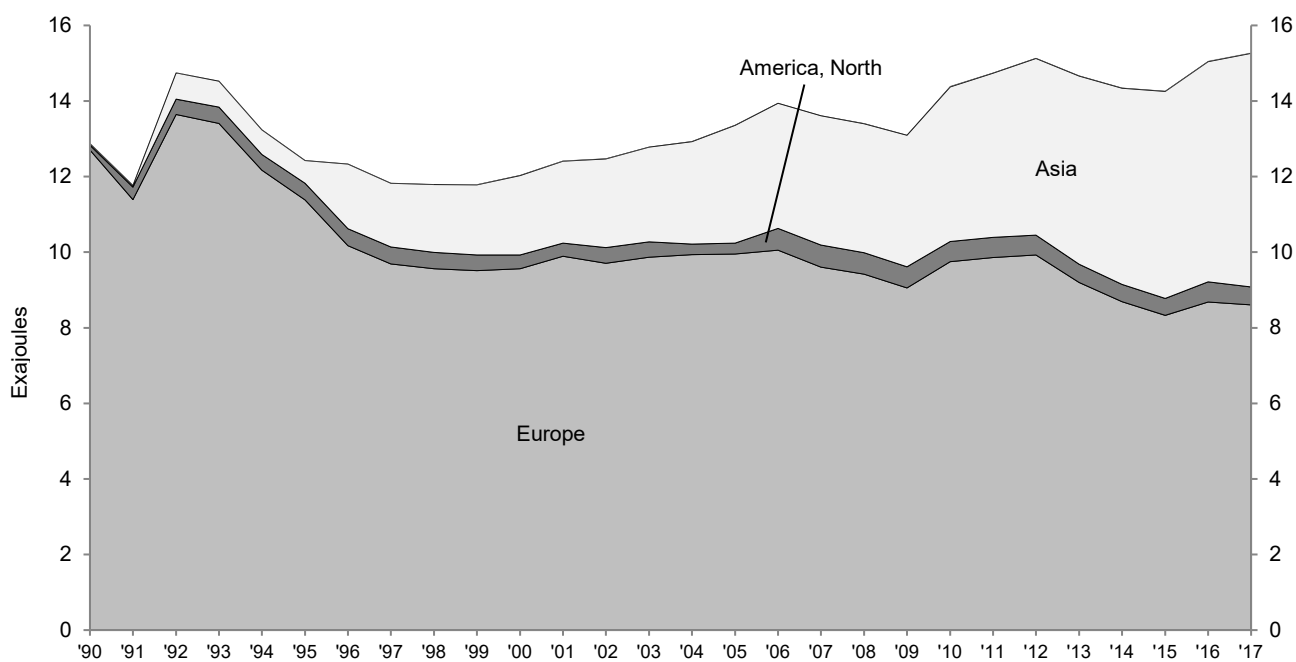


Figure 85: Major heat producing countries, 2017

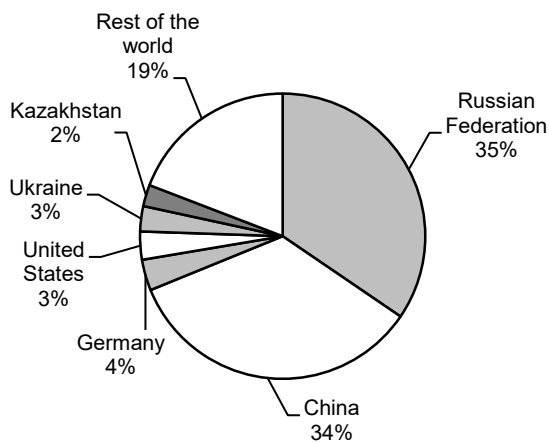


Figure 86: World heat production by type, 2017

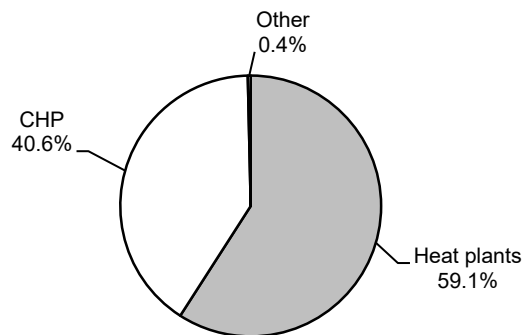


Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar thermal
World	2014	13,834,037	29,715	6,157	26,785	68,217	31,548	357,803	116,694	278,023
	2015	13,738,043	34,264	6,468	25,818	56,898	34,342	370,463	135,741	290,235
	2016	14,466,271	43,732	6,979	26,625	58,905	46,714	403,954	138,676	280,930
	2017	14,666,147	39,911	7,485	26,771	65,373	47,452	421,430	138,714	285,354
Africa	2014	9,249	..	..	..	2,940	..	..	..	6,130
	2015	9,403	..	..	..	3,466	..	..	..	6,635
	2016	9,403	..	..	..	3,730	..	..	..	7,124
	2017	9,403	..	..	..	3,860	..	..	..	8,900
Eswatini	2014	9,249	..	..	..	..	..	..	..	..
	2015	*9,403	..	..	..	..	..	..	..	..
	2016	*9,403	..	..	..	..	..	..	..	..
	2017	*9,403	..	..	..	..	..	..	..	..
Namibia	2014	..	..	..	..	..	..	..	..	72
	2015	..	..	..	..	..	..	..	..	104
	2016	..	..	..	..	..	..	..	..	126
	2017	..	..	..	..	..	..	..	..	126
Senegal	2014	..	..	..	..	316	..	..	..	..
	2015	..	..	..	..	382	..	..	..	..
	2016	..	..	..	..	513	..	..	..	..
	2017	..	..	..	..	513	..	..	..	..
South Africa	2014	..	..	..	..	..	..	..	..	4,241
	2015	..	..	..	..	..	..	..	..	4,576
	2016	..	..	..	..	..	..	..	..	4,907
	2017	..	..	..	..	..	..	..	..	6,564
Tunisia	2014	..	..	..	..	2,624	..	..	..	1,817
	2015	..	..	..	..	3,084	..	..	..	1,955
	2016	..	..	..	..	3,217	..	..	..	2,091
	2017	..	..	..	..	3,347	..	..	..	2,210
America, North	2014	459,959	..	..	..	..	509	..	10,969	102,538
	2015	446,466	..	..	..	..	369	..	11,280	106,687
	2016	534,627	..	..	..	..	340	..	11,828	94,420
	2017	474,630	..	..	..	..	576	..	11,108	90,135
Canada	2014	30,923	..	..	..	..	..	..	..	1,702
	2015	27,623	..	..	..	..	..	..	..	1,760
	2016	25,892	..	..	..	..	..	..	..	1,760
	2017	23,677	..	..	..	..	..	..	..	1,797
Greenland	2014	*429	..	..	..	..	*509	..	..	..
	2015	*656	..	..	..	..	*369	..	..	..
	2016	*735	..	..	..	..	*340	..	..	..
	2017	*625	..	..	..	..	*576	..	..	..
Mexico	2014	..	..	..	..	..	..	..	..	8,064
	2015	..	..	..	..	..	..	..	..	9,087
	2016	..	..	..	..	..	..	..	..	10,180
	2017	..	..	..	..	..	..	..	..	10,888
United States	2014	428,607	..	..	..	..	..	..	10,969	92,772
	2015	418,187	..	..	..	..	..	..	11,280	95,840
	2016	508,000	..	..	..	..	..	..	11,828	82,480
	2017	450,328	..	..	..	..	..	..	11,108	77,450
America, South	2014	..	..	..	..	1,936	..	..	102	1,579
	2015	..	..	..	..	0	..	..	102	2,531
	2016	..	..	..	..	0	..	..	102	3,128
	2017	..	..	..	..	..	..	..	102	3,464

Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar thermal
Chile	2014	..	..	..	..	1,936	..	..	..	1,243
	2015	..	..	..	..	0	..	..	..	1,458
	2016	..	..	..	..	0	..	..	..	1,739
	2017	..	..	..	..	..	..	..	..	2,082
Ecuador	2014	..	..	..	..	..	..	..	102	..
	2015	..	..	..	..	..	..	..	*102	..
	2016	..	..	..	..	..	..	..	*102	..
	2017	..	..	..	..	..	..	..	*102	..
Peru	2014	..	..	..	..	..	..	..	..	336
	2015	..	..	..	..	..	..	..	..	1,073
	2016	..	..	..	..	..	..	..	..	1,389
	2017	..	..	..	..	..	..	..	..	1,382
Asia	2014	5,171,203	0	5,301	..	3,752	3,627	7,720	72,944	71,104
	2015	5,454,890	0	5,393	..	2,667	3,609	9,808	91,310	71,443
	2016	5,794,100	0	5,485	..	2,159	3,635	17,094	91,988	70,967
	2017	6,154,364	..	5,632	..	2,187	3,598	17,256	91,669	71,643
Armenia	2014	*65	..	..	..	..	..	..	..	..
	2015	28	..	..	..	..	..	..	..	..
	2016	34	..	..	..	..	..	..	..	..
	2017	31	..	..	..	..	..	..	..	..
Azerbaijan	2014	6,778	..	..	..	..	..	..	..	..
	2015	6,501	..	..	..	..	..	..	..	..
	2016	7,282	..	..	..	..	..	..	..	..
	2017	6,580	..	..	..	..	..	..	..	..
China	2014	4,334,113	..	..	..	..	..	..	..	..
	2015	4,610,572	..	..	..	..	..	..	..	..
	2016	4,967,022	..	..	..	..	..	..	..	..
	2017	5,300,081	..	..	..	..	..	..	..	..
Cyprus	2014	45	..	..	..	..	..	..	65	2,796
	2015	51	..	..	..	..	..	..	65	2,841
	2016	50	..	..	..	..	..	..	65	2,887
	2017	54	..	..	..	..	..	..	65	2,940
Georgia	2014	0	0	..	..	..	..	..	546	77
	2015	0	0	..	..	..	..	..	592	99
	2016	0	0	..	..	..	..	..	642	127
	2017	..	..	..	..	..	..	..	658	128
Israel	2014	..	..	..	..	..	..	..	..	15,765
	2015	..	..	..	..	..	..	..	..	15,887
	2016	..	..	..	..	..	..	..	..	16,135
	2017	..	..	..	..	..	..	..	..	16,135
Japan	2014	13,542	..	..	..	..	3,627	3,403	5,366	12,159
	2015	12,889	..	..	..	..	3,609	3,210	5,366	11,175
	2016	13,669	..	..	..	..	3,635	3,034	5,366	10,387
	2017	13,738	..	..	..	..	3,598	3,099	5,366	9,677
Kazakhstan	2014	398,902	..	..	..	..	..	..	..	..
	2015	408,147	..	..	..	..	..	..	..	..
	2016	361,022	..	..	..	..	..	..	..	..
	2017	371,187	..	..	..	..	..	..	..	..
Korea, Republic of	2014	203,794	..	..	..	3,752	..	..	4,542	1,193
	2015	202,291	..	..	..	2,667	..	..	5,655	1,192
	2016	219,624	..	..	..	2,159	..	..	6,785	1,193
	2017	237,715	..	..	..	2,187	..	..	7,705	1,665

Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar thermal
Kyrgyzstan	2014	13,858	..	..	..	..	..	..	..	..
	2015	16,745	..	..	..	..	..	..	..	..
	2016	9,904	..	..	..	..	..	..	..	..
	2017	7,966	..	..	..	..	..	..	..	..
Lebanon	2014	..	..	..	..	..	..	..	..	962
	2015	..	..	..	..	..	..	..	..	994
	2016	..	..	..	..	..	..	..	..	1,017
	2017	..	..	..	..	..	..	..	..	*1,060
Mongolia	2014	42,003	..	..	..	..	..	..	..	..
	2015	44,713	..	..	..	..	..	..	..	..
	2016	45,213	..	..	..	..	..	..	..	..
	2017	47,296	..	..	..	..	..	..	..	..
Other Asia	2014	..	..	..	..	..	..	..	..	4,318
	2015	..	..	..	..	..	..	..	..	4,369
	2016	..	..	..	..	..	..	..	..	4,315
	2017	..	..	..	..	..	..	..	..	4,355
State of Palestine	2014	..	..	5,301	..	..	..	..	..	..
	2015	..	..	5,393	..	..	..	..	..	..
	2016	..	..	5,485	..	..	..	..	..	..
	2017	..	..	5,632	..	..	..	..	..	..
Tajikistan	2014	1,063	..	..	..	..	..	..	..	..
	2015	1,499	..	..	..	..	..	..	..	..
	2016	1,648	..	..	..	..	..	..	..	..
	2017	1,793	..	..	..	..	..	..	..	..
Thailand	2014	..	..	..	..	..	..	..	..	214
	2015	..	..	..	..	..	..	..	..	239
	2016	..	..	..	..	..	..	..	..	281
	2017	..	..	..	..	..	..	..	..	388
Turkey	2014	48,410	..	..	..	..	..	4,317	62,425	33,620
	2015	41,496	..	..	..	..	..	6,598	79,632	34,647
	2016	38,839	..	..	..	..	..	14,060	79,130	34,625
	2017	43,302	..	..	..	..	..	14,157	77,875	35,295
Turkmenistan	2014	9,846	..	..	..	..	..	..	..	..
	2015	9,846	..	..	..	..	..	..	..	..
	2016	9,846	..	..	..	..	..	..	..	..
	2017	9,846	..	..	..	..	..	..	..	..
Uzbekistan	2014	98,784	..	..	..	..	..	..	..	..
	2015	100,112	..	..	..	..	..	..	..	..
	2016	119,947	..	..	..	..	..	..	..	..
	2017	114,775	..	..	..	..	..	..	..	..
Europe	2014	8,193,626	29,715	857	26,785	59,589	27,412	349,231	24,373	82,952
	2015	7,827,285	34,264	1,075	25,818	50,765	30,364	359,774	24,682	87,577
	2016	8,128,142	43,732	1,493	26,625	53,016	42,739	385,944	26,470	89,899
	2017	8,027,750	39,911	1,853	26,771	59,326	43,278	403,339	27,652	94,993
Albania	2014	214	..	..	..	..	..	..	..	502
	2015	*225	..	..	..	..	..	..	..	493
	2016	*113	..	..	..	..	..	..	..	504
	2017	113	..	..	..	..	..	..	..	553
Austria	2014	79,207	519	70	..	95	..	..	267	7,559
	2015	82,467	578	70	..	106	..	..	301	7,503
	2016	87,014	587	70	..	110	..	..	300	7,505
	2017	88,206	591	70	..	89	..	..	316	7,472

Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar thermal
Belarus	2014	254,934	..	..	..	..	..	..	..	..
	2015	241,857	..	..	..	..	..	..	..	..
	2016	249,665	..	..	..	..	..	..	..	..
	2017	253,365	..	..	..	..	..	..	..	..
Belgium	2014	26,474	60	..	..	9,810	..	..	..	930
	2015	27,767	63	..	..	10,099	..	..	..	1,019
	2016	26,652	66	..	..	10,551	..	..	..	1,050
	2017	22,130	64	..	..	11,272	..	..	..	1,088
Bosnia and Herzegovina	2014	5,000	..	..	..	..	..	..	..	..
	2015	5,621	..	..	..	..	..	..	..	..
	2016	5,657	..	..	..	..	..	..	..	..
	2017	5,793	..	..	..	..	..	..	..	..
Bulgaria	2014	51,930	..	..	604	1,645	..	..	1,400	824
	2015	48,062	..	..	635	1,648	..	..	1,400	912
	2016	45,663	..	..	612	1,927	..	..	1,450	937
	2017	41,624	..	..	696	1,844	..	..	1,450	982
Croatia	2014	10,127	..	..	..	..	..	..	324	391
	2015	11,106	..	..	..	..	..	..	373	435
	2016	11,411	..	..	..	..	..	..	379	484
	2017	12,431	..	..	..	..	..	..	345	539
Czechia	2014	116,905	..	..	871	221	81	1,669	..	691
	2015	118,467	..	..	899	163	74	1,704	..	742
	2016	124,778	..	..	883	325	67	1,533	..	787
	2017	120,551	..	..	908	322	101	1,070	..	827
Denmark	2014	119,379	83	736	..	..	449	2,921	..	565
	2015	124,730	70	956	..	..	1,141	3,128	..	581
	2016	129,110	112	1,375	..	..	822	3,457	..	589
	2017	128,897	76	1,733	..	..	1,132	3,747	..	597
Estonia	2014	21,812	..	..	..	..	..	..	..	..
	2015	21,204	..	..	..	..	..	..	..	..
	2016	23,940	..	..	..	..	..	..	..	..
	2017	24,261	..	..	..	..	..	..	..	..
Finland	2014	176,886	..	..	..	4,526	2,240	960	..	57
	2015	168,501	..	..	..	3,977	3,988	996	..	62
	2016	185,583	..	..	..	5,080	4,106	1,019	..	69
	2017	173,687	..	..	..	4,758	4,429	9,552	..	75
France	2014	135,539	3,790	..	..	..	259	3,116	1,681	6,443
	2015	146,020	3,857	..	..	..	507	3,452	1,681	6,715
	2016	163,480	4,397	..	..	..	520	4,502	1,681	6,948
	2017	167,843	5,441	..	..	..	527	3,671	1,681	7,207
Germany	2014	430,982	304	11	..	..	..	7,043	3,487	26,221
	2015	448,187	626	9	..	..	..	8,739	2,863	28,091
	2016	461,067	797	6	..	..	..	7,389	3,394	28,079
	2017	461,662	641	7	..	..	..	7,492	3,563	28,265
Greece	2014	2,073	..	..	..	..	..	..	490	8,029
	2015	2,093	..	..	..	..	..	..	415	8,221
	2016	2,134	..	..	..	..	..	..	423	8,384
	2017	2,137	..	..	..	..	..	..	370	11,365
Hungary	2014	44,288	1,166	0	778	..	..	1,736	2,450	406
	2015	47,835	1,769	..	802	..	..	1,678	2,246	448
	2016	48,096	2,700	..	848	..	..	2,321	2,120	468
	2017	46,514	2,749	..	829	..	..	2,588	2,588	493

Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar thermal
Iceland	2014	77	22,443	..	..	..	665	..	3,543	..
	2015	33	25,873	..	..	..	700	..	3,415	..
	2016	13	33,601	..	..	..	711	..	3,435	..
	2017	61	29,113	..	..	..	822	..	3,389	..
Ireland	2014	..	..	..	..	..	..	..	..	450
	2015	..	..	..	..	..	..	..	..	479
	2016	..	..	..	..	..	..	..	..	506
	2017	..	..	..	..	..	..	..	..	529
Italy	2014	205,188	764	2	..	..	..	..	4,660	7,517
	2015	216,164	780	2	..	..	..	..	4,778	7,953
	2016	223,037	810	3	..	..	..	..	5,222	8,378
	2017	232,622	793	4	..	..	..	..	5,478	8,740
Kosovo	2014	249	..	..	..	..	..	..	..	13
	2015	44	..	..	..	..	535	..	..	14
	2016	46	..	..	..	..	749	..	..	14
	2017	45	..	..	..	..	772	..	..	14
Latvia	2014	25,740	..	..	..	..	7	0	..	..
	2015	25,452	..	..	..	..	7	0	..	..
	2016	28,959	..	..	..	..	8	0	..	..
	2017	29,972	..	..	..	..	6	12	..	..
Liechtenstein	2014	378	..	37	..	..	..	..	..	..
	2015	380	..	37	..	..	..	..	..	..
	2016	388	..	37	..	..	..	..	..	..
	2017	387	..	38	..	..	..	..	..	..
Lithuania	2014	32,420	39	..	..	10,832	9	..	..	..
	2015	31,820	32	..	..	9,600	8	..	..	..
	2016	33,652	41	..	..	9,446	9	..	..	..
	2017	34,957	15	..	..	11,765	9	..	..	..
Luxembourg	2014	2,525	..	..	..	..	..	..	..	74
	2015	2,363	..	..	..	..	..	..	..	80
	2016	2,432	..	..	..	..	..	..	..	86
	2017	2,814	..	..	..	..	..	..	..	91
Malta	2014	1	..	..	..	..	..	..	..	178
	2015	6	..	..	..	..	..	..	..	201
	2016	8	..	..	..	..	..	..	..	207
	2017	15	..	..	..	..	..	..	..	209
Netherlands	2014	147,157	..	..	..	..	..	..	1,502	1,128
	2015	123,167	..	..	..	..	..	..	2,448	1,137
	2016	116,010	..	..	..	..	..	..	2,844	1,147
	2017	111,206	..	..	..	5,784	..	..	3,047	1,139
North Macedonia	2014	1,956	..	..	..	..	..	..	223	..
	2015	2,193	..	..	..	..	..	..	228	..
	2016	2,239	..	..	..	..	..	..	211	..
	2017	2,419	..	..	..	..	..	..	198	..
Norway	2014	13,518	..	..	..	..	4,570	930	..	..
	2015	14,828	..	..	..	..	4,858	825	..	..
	2016	15,948	..	..	..	..	5,458	792	..	..
	2017	16,737	..	..	..	..	5,478	829	..	..
Poland	2014	275,602	..	..	..	1,205	4	76	847	1,455
	2015	280,106	..	..	..	1,191	3	96	909	1,885
	2016	292,247	..	..	..	495	4	54	930	2,189
	2017	299,019	..	..	..	659	5	78	946	2,280

Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar thermal
Portugal	2014	21,367	..	..	..	55	..	..	55	3,218
	2015	19,527	..	..	..	87	..	..	64	3,360
	2016	18,846	..	..	..	..	..	..	57	3,515
	2017	19,101	..	..	..	..	..	..	65	3,683
Republic of Moldova	2014	10,466	..	..	..	..	..	..	..	..
	2015	10,042	..	..	..	..	..	..	..	..
	2016	10,606	..	..	..	..	..	..	..	..
	2017	10,251	..	..	..	..	..	..	..	..
Romania	2014	77,756	217	..	..	..	..	..	835	23
	2015	76,366	251	..	..	..	..	..	824	21
	2016	76,505	256	..	..	..	..	..	1,071	22
	2017	74,327	262	..	..	..	..	..	1,098	32
Russian Federation	2014	5,187,219	191	..	14,982	..	..	330,772	..	..
	2015	4,853,378	223	..	14,180	..	..	339,148	..	..
	2016	4,983,034	207	..	14,637	..	*13,097	363,085	..	..
	2017	4,924,203	0	..	14,593	..	*13,366	373,030	..	..
Serbia	2014	30,694	..	..	..	..	..	..	234	..
	2015	35,256	..	..	..	..	..	..	256	..
	2016	36,097	..	..	..	..	..	..	214	..
	2017	37,089	..	..	..	..	..	..	213	..
Slovakia	2014	32,823	120	1	1,795	..	55	8	56	241
	2015	34,510	121	1	1,968	..	53	8	55	229
	2016	35,325	140	2	1,976	..	63	10	66	232
	2017	35,434	148	1	2,096	..	95	7	63	272
Slovenia	2014	8,164	19	..	..	..	..	..	1,486	452
	2015	8,664	21	..	..	..	..	..	1,589	456
	2016	8,982	18	..	..	..	..	..	1,832	458
	2017	9,435	18	..	..	..	..	..	2,003	458
Spain	2014	..	..	..	..	..	..	..	789	10,830
	2015	..	..	..	..	..	..	..	789	11,587
	2016	..	..	..	..	..	..	..	789	12,278
	2017	..	..	..	..	..	..	..	789	12,931
Sweden	2014	160,891	..	..	..	..	19,005	..	..	468
	2015	165,056	..	..	..	..	18,399	..	..	472
	2016	176,404	..	..	..	..	17,025	..	..	468
	2017	173,473	..	..	..	..	16,434	..	..	464
Switzerland	2014	17,313	..	..	1,190	..	68	..	11	2,212
	2015	19,194	..	..	1,100	..	91	..	15	2,359
	2016	20,515	..	..	1,330	..	100	..	19	2,450
	2017	20,969	..	..	1,320	..	102	..	17	2,509
Ukraine	2014	406,078	..	..	6,565	31,200	..	..	..	..
	2015	348,082	..	..	6,234	23,894	..	..	..	..
	2016	414,323	..	..	6,339	25,082	..	1,782	..	..
	2017	374,362	..	..	6,329	22,833	..	1,263	..	..
United Kingdom	2014	60,294	..	..	..	..	..	..	33	2,075
	2015	66,512	..	..	..	..	..	..	33	2,122
	2016	68,163	..	..	..	..	..	..	33	2,145
	2017	69,639	..	..	..	..	..	..	33	2,179
Oceania	2014	..	..	..	..	..	..	852	8,306	13,720
	2015	..	..	..	..	..	..	881	8,367	15,362
	2016	..	..	..	..	..	..	916	8,288	15,392
	2017	..	..	..	..	..	..	835	8,184	16,219

Table 34

Production of heat - by type

Terajoules

Country or area	Year	Combustible fuels	Geo-thermal	Solar thermal	Nuclear	Chemical sources	Heat pumps and electric boilers	Other sources	Direct use geothermal	Direct use solar thermal
Australia	2014	..	..	..	..	..	..	..	..	13,229
	2015	..	..	..	..	..	..	..	..	14,842
	2016	..	..	..	..	..	..	..	..	14,872
	2017	..	..	..	..	..	..	..	..	15,698
New Caledonia	2014	..	..	..	..	..	..	..	..	111
	2015	..	..	..	..	..	..	..	..	140
	2016	..	..	..	..	..	..	..	..	140
	2017	..	..	..	..	..	..	..	..	141
New Zealand	2014	..	..	..	..	..	..	852	8,306	364
	2015	..	..	..	..	..	..	881	8,367	364
	2016	..	..	..	..	..	..	916	8,288	364
	2017	..	..	..	..	..	..	835	8,184	364
Niue	2014	..	..	..	..	..	..	..	..	16
	2015	..	..	..	..	..	..	..	..	16
	2016	..	..	..	..	..	..	..	..	*16
	2017	..	..	..	..	..	..	..	..	*16

Production of uranium (uranium content)

Metric tons

Table Notes

Data are primarily based on country submissions and Table 1.19 of the OECD and IAEA publication *Uranium 2018: Resources, Production and Demand*, OECD Publishing, available at <https://www.oecd-neo.org/ndd/pubs/2018/7413-uranium-2018.pdf>.

These sources are complemented with data from the World Nuclear Association, available at <http://www.world-nuclear.org/information-library/nuclear-fuel-cycle/mining-of-uranium/world-uranium-mining-production.aspx>.

Production for Bulgaria, France, Germany and Hungary comes from mine rehabilitation efforts only.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Table 35

Production of uranium (uranium content)

Metric tons

Country or area	2014	2015	2016	2017
World	56,682	58,836	62,337	59,663
Africa	8,869	7,430	7,622	8,017
Malawi	1,065	0	0	0
Namibia	3,255	2,993	3,654	4,224
Niger	4,156	4,115	3,478	3,485
South Africa	393	322	490	308
America, North	11,053	12,965	15,164	14,056
Canada	9,134	11,709	14,039	13,116
United States	1,919	1,256	1,125	940
America, South	67	51	0	0
Brazil	67	51	0	0
Asia	27,468	28,243	29,035	28,166
China	1,500	1,616	1,616	1,885
India	385	385	385	421
Iran (Islamic Rep. of)	11	*12	*10	*20
Kazakhstan	23,127	23,800	24,575	23,391
Pakistan	45	45	45	45
Uzbekistan	2,400	2,385	2,404	2,404
Europe	4,224	4,493	4,201	3,542
Czechia	193	155	138	70
France	3	2	0	0
Germany	33	0	0	0
Hungary	2	4	4	5
Romania	77	77	50	0
Russian Federation	2,990	3,055	3,004	2,917
Ukraine	926	1,200	1,005	550
Oceania	5,001	5,654	6,315	5,882
Australia	5,001	5,654	6,315	5,882

Selected energy resources and reserves

Million metric tons unless otherwise indicated

Table Notes

Based on country submissions and the publication *World Energy Resources - 2016*, World Energy Council (WEC), available at <https://www.worldenergy.org/publications/2016/world-energy-resources-2016/>.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

Table 36

Selected energy resources and reserves

Million metric tons unless otherwise indicated

Country or area	Bituminous coal / Anthracite			Sub-bituminous coal / Lignite			Peat	
	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves
Afghanistan	66	66	400	..	..	..	..	..
Albania	..	..	..	727	522	..	..	155
Algeria	223	59	164	..	..	..	..	..
Angola	..	..	..	..	..	..	..	..
Argentina	800	500	..	7,300	500	273	90	*80
Armenia	317	163	..	..	..	..	..	..
Australia	1,598,761	62,095	125,000	443,431	44,164	215,000	..	..
Austria	1	..	3	333	25	61	..	..
Azerbaijan	..	..	..	..	..	..	..	..
Bahrain	..	..	..	..	..	..	..	..
Bangladesh	3,260	293	..	3	..	..	*138	..
Barbados	..	..	..	..	..	..	..	..
Belarus	..	..	..	1,500	100	..	323	323
Belgium	4,100	410	1,400	..	..	..	..	..
Belize	..	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	..	..
Bhutan	..	..	..	..	..	..	..	..
Bolivia (Plur. State of)	1	1	..	..	..	..	..	..
Bosnia and Herzegovina	..	484	..	5,274	2,264	..	..	..
Botswana	21,240	40	205,253	..	..	..	..	..
Brazil	6,212	1,547	..	17,636	5,049	15,319	..	..
Brunei Darussalam	..	..	..	..	..	..	..	..
Bulgaria	4,112	192	1,200	4,574	2,174	2,618	5	5
Burkina Faso	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	56	56
Cambodia	..	..	..	..	..	..	..	..
Cameroon	..	..	..	..	..	..	..	..
Canada	187,606	4,346	26,045	120,506	2,236	31,990	1,092	..
Central African Rep.	..	..	..	3	3	..	..	..
Chad	..	..	..	..	..	..	..	..
Chile	5,316	1,181	125	7	155	5,000	..	..
China	5,462,672	124,059	363,200	332,652	7,555	304,700	4,687	328
Colombia	14,809	4,881	13,173	411	380	3,176	..	..
Congo	..	..	..	..	..	..	..	..
Costa Rica	17	..	..	27	..	22	48	..
Côte d'Ivoire	..	..	..	..	..	..	..	..
Croatia	4	4	..	300	33	..	..	..
Cuba	..	..	..	..	..	..	..	..
Cyprus	..	..	..	..	..	..	..	..
Czechia	16,526	1,107	..	9,767	2,604	..	..	..
Dem. Rep. of the Congo	988	88	..	..	..	..	..	..
Denmark	..	..	..	63	..	..	..	..
Dominica	..	..	..	..	..	..	..	..
Dominican Republic	..	..	..	84	..	..	..	..
Ecuador	..	..	..	24	24	6	..	..
Egypt	182	16	..	27	22	52	..	..
El Salvador	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..
Estonia	..	..	..	..	..	..	2,000	2,000
Eswatini	4,644	144	793	..	..	..	..	..
Ethiopia	..	..	..	23	11	..	..	..
Faeroe Islands	..	..	..	..	..	..	..	..
Falkland Is. (Malvinas)	..	..	..	..	..	..	..	..
Fiji	..	..	..	..	..	..	..	..
Finland	..	..	..	..	..	..	850	420
France	160	95	200	114	21	165	..	..
French Guiana	..	..	..	..	..	..	..	..
French Polynesia	..	..	..	..	..	..	..	..
Gabon	..	..	..	..	..	..	..	..
Georgia	901	201	..	..	..	..	..	..

Table 36

Peat	Proved recoverable reserves				Uranium (metric tons)		Hydropower (Gross theoretical capability) (GWh/Year)
	Estimated additional amount in place	Natural gas (billions cubic metres)	Crude oil and NGL	Oil shale	Bituminous sands	Reasonably assured resources		Inferred Resources
..	*50	..	..	..	..	..	394,000
..	*1	*26	..	..	5	..	40,000
..	4,504	1,537	..	..	..	19,500	12,000
..	*308	1,709	..	..	74	..	150,000
50	332	328	..	57	..	8,600	11,000
..	*18	..	..	44	..	..	354,000
..	3,471	442	4,531	..	..	..	22,000
..	*10	*7	1	..	..	1,174,000	558,700
..	1,148	959	..	..	..	..	265,000
..	172	15	..	..	20	..	150,000
..	*138	232	*4	..	..	..	44,000
..	0	0	..	..	..	..	..
1,479	*3	27	1,000	..	..	..	4,000
..	0	..	..	..	..	..	..
..	..	0	..	..	..	..	8,000
..	*1	1	..	..	..	..	1,000
..	..	..	..	..	..	..	1,000
..	281	*22	..	..	..	..	2,000
..	..	..	..	..	..	..	263,000
..	..	..	..	..	..	..	178,000
..	..	..	..	..	..	..	70,000
487	424	1,890	11,734	..	23,100	59,100	..
..	276	*150	..	..	155,100	121,000	3,040,000
..	*6	*2	18	..	..	..	..
..	..	..	..	..	..	..	27,000
..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	6,000
..	..	..	..	..	..	..	88,000
..	*150	*18	..	..	..	..	294,000
336,908	1,987	27,755	2,192	27,134	357,500	192,500	2,067,000
..	..	..	..	..	12,000	..	7,000
..	..	216	..	..	..	..	150
..	*40	*20	3	..	700	1,200	227,000
952	3,841	2,521	47,600	120	120,000	56,600	6,083,000
..	135	333	..	..	5	..	1,000,000
..	115	*190	..	..	81	..	50,000
22	..	..	..	..	..	..	224,000
..	28	*14	..	..	..	..	46,000
..	*25	*7	..	..	..	..	20,000
280	*71	*3	..	..	8	..	3,000
..	*142	..	..	..	..	..	59,000
..	4	*2	..	..	1,300	100	13,000
..	*1	*24	14,310	..	1,400	1,300	1,397,000
..	31	74	..	..	..	..	120
..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	50,000
..	*11	1,175	..	..	7	..	169,000
..	1,846	458	816	8	..	1,900	125,000
..	..	..	..	..	..	..	7,000
..	*37	149	..	..	..	..	..
..	..	..	2,494	..	..	..	2,000
..	..	..	..	..	..	..	4,000
..	*25	0	..	..	..	..	650,000
..	..	..	..	..	..	..	1,000
28	..	..	..	..	..	..	..
..	..	..	..	..	..	..	3,000
2,200	..	..	..	..	1,100	..	31,000
..	*10	*11	1,002	..	11,500	100	270,000
..	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	1,000
..	*28	274	..	..	4,800	1,000	200,000
..	*9	*5	..	0	..	..	136,000

Table 36

Selected energy resources and reserves

Million metric tons unless otherwise indicated

Country or area	Bituminous coal / Anthracite			Sub-bituminous coal / Lignite			Peat	
	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves
Germany	82,982	21	8,065	76,800	36,300	34,100	157	96
Ghana	..	..	..	..	..	..	..	..
Greece	..	..	..	6,430	2,876	..	4,000	..
Greenland	383	183	..	183	183	200	..	..
Grenada	..	..	..	..	..	..	..	..
Guatemala	..	..	..	..	..	..	..	..
Guinea	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..
Guyana	..	..	..	..	..	..	..	..
Haiti	..	..	..	40	..	27	..	..
Honduras	..	..	..	21	..	..	..	..
Hungary	5,351	276	298	5,337	2,633	2,630	..	..
Iceland	..	..	..	..	..	..	..	..
India	260,544	85,562	157,435	42,645	4,714	32,893	..	..
Indonesia	109,825	17,394	6,035	40,639	8,274	38,704	49,000	..
Iran (Islamic Rep. of)	41,203	1,203	..	2,295	..	..	..	..
Iraq	..	..	..	..	..	..	..	..
Ireland	40	14	26	..	9	..	154	106
Israel	..	..	..	..	..	..	500	386
Italy	610	10	..	29	7	600	..	..
Jamaica	..	..	..	..	..	..	200	32
Japan	13,883	340	6,298	1,036	10	7,122	..	..
Jordan	..	..	..	..	..	..	..	..
Kazakhstan	148,695	25,605	..	..	12,100	..	..	..
Kenya	..	..	..	..	..	..	..	..
Korea, Dem.Ppl's.Rep.	10,600	600	2,700	300	300	2,200	..	..
Korea, Republic of	1,686	326	272	209	126	812	..	..
Kuwait	..	..	..	..	..	..	..	..
Kyrgyzstan	28,499	971	..	..	812	..	..	..
Lao People's Dem. Rep.	62	4	..	521	499	..	..	..
Latvia	..	..	..	..	..	..	190	94
Lebanon	..	..	..	..	..	..	..	..
Lesotho	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..
Lithuania	..	..	..	..	..	..	937	269
Madagascar	150	..	..	37	..	..	..	..
Malawi	802	2	..	..	2	..	..	..
Malaysia	1,209	141	78	451	39	575	..	..
Mali	..	..	..	3	..	3	..	..
Mauritania	..	..	..	..	..	..	..	..
Mauritius	..	..	..	..	..	..	..	..
Mexico	4,160	1,160	1,960	51	51	213	..	..
Mongolia	41,024	1,170	..	120,776	1,350	..	..	..
Montenegro	337	142	..	..	..	..	..	..
Morocco	96	14	..	40	..	2	..	..
Mozambique	23,636	1,792	155	..	..	..	..	..
Myanmar	252	3	120	5	3	80	..	..
Namibia	350	..	..	..	..	..	..	..
Nepal	8	1	..	1	1	7	..	..
Netherlands	3,247	497	2,750	..	..	..	120	120
New Caledonia	2	2	8	..	..	..	..	..
New Zealand	3,175	825	942	11,350	6,750	11,902	1,640	..
Nicaragua	..	..	..	..	..	..	..	..
Niger	90	70	..	6	6	..	..	..
Nigeria	2,144	287	21	377	57	1,000	..	..
North Macedonia	..	..	..	632	332	..	..	..
Norway	93	2	..	64	5	100	745	350
Oman	..	..	..	..	..	..	..	..
Pakistan	5,996	207	5	179,596	2,857	68,068	..	..

Table 36

Peat	Proved recoverable reserves				Uranium (metric tons)		Hydropower (Gross theoretical capability) (GWh/Year)
	Estimated additional amount in place	Natural gas (billions cubic metres)	Crude oil and NGL	Oil shale	Bituminous sands	Reasonably assured resources		Inferred Resources
200	39	*31	286	..	3,000	4,000	120,000
..	*23	*90	..	..	..	..	28,000
..	*1	*1	..	..	1,000	6,000	80,000
..	..	..	..	..	..	134,700	550,000
..	..	..	..	..	..	..	38
..	3	*11	..	..	..	..	59,000
..	..	232	..	..	..	..	26,000
..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	81,000
..	..	..	..	..	..	..	4,000
..	..	..	..	..	..	..	16,000
238	*8	*4	8	..	..	8,600	10,000
..	..	..	..	..	..	..	184,000
..	1,489	764	..	..	77,000	27,900	2,638,000
..	2,839	498	..	67	8,400	2,200	2,147,000
..	34,020	*21,433	..	..	700	1,800	448,000
..	3,694	19,308	..	..	..	..	225,000
140	*10	..	..	..	..	..	1,000
1,000	181	*2	550	0	..	..	0
2,500	45	82	10,446	48	4,800	1,300	190,000
..	..	..	..	..	..	..	1,000
..	*21	*4	..	..	6,600	..	718,000
..	*6	0	5,242	5	0	33,800	4,000
..	936	3,932	400	6,689	285,600	417,300	170,000
..	..	..	..	..	..	..	24,000
..
..	6	..	..	..	..	..	52,000
..	1,784	13,981	..	..	..	..	..
..	*6	*5	..	..	..	..	163,000
..	..	..	..	..	..	..	233,000
760	..	..	..	..	..	..	7,000
..	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	5,000
..	..	..	..	..	..	..	28,000
..	1,505	6,297	..	..	..	..	..
..	..	*1	..	..	..	..	6,000
..	2	..	5	35	..	..	321,000
..	..	..	..	..	8,200	5,700	15,000
..	*1,169	471	..	..	..	..	230,000
..	..	..	..	..	..	..	12,000
..	*28	*3	..	..	..	..	..
..	..	..	..	..	..	..	150
..	324	1,496	..	0	2,800	0	430,000
..	..	*35	42	..	30,600	25,100	57,000
..	..	..	..	..	..	..	27,000
..	*1	0	8,167	..	..	..	12,000
..	*2,832	*2	..	..	..	..	103,000
..	528	*3	286	..	..	..	348,000
..	*62	..	..	..	248,200	155,500	23,000
..	0	..	..	..	..	..	733,000
..	675	*30	..	..	..	..	11,000
..	..	..	..	..	..	..	2,000
..	*28	*17	3	..	..	..	205,000
..	..	..	..	..	..	..	33,000
..	..	*20	..	..	325,000	104,900	3,000
..	5,111	5,003	..	91	..	..	43,000
..	..	..	..	..	..	..	9,000
7,015	1,857	994	..	..	..	..	600,000
..	688	720	..	..	..	..	..
..	543	*50	..	..	..	..	475,000

Table 36

Selected energy resources and reserves

Million metric tons unless otherwise indicated

Country or area	Bituminous coal / Anthracite			Sub-bituminous coal / Lignite			Peat	
	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves
Panama	..	..	..	..	..	..	..	..
Papua New Guinea	..	..	..	..	..	..	..	..
Paraguay	..	..	..	..	..	..	..	..
Peru	1,567	102	..	100	100	..	..	..
Philippines	1,223	211	8	1,017	105	37	..	..
Poland	178,913	16,203	27,405	227,886	5,429	11,837	890	..
Portugal	3	3	..	66	33	..	..	..
Qatar	..	..	..	..	..	..	..	..
Republic of Moldova	..	..	..	..	..	..	..	..
Romania	2,446	11	2,143	9,920	280	8,177	25	13
Russian Federation	2,727,915	69,634	200,000	1,379,623	90,730	200,000	17,680	11,554
Rwanda	..	..	..	..	..	..	..	..
Samoa	..	..	..	..	..	..	..	..
Saudi Arabia	..	..	..	..	..	..	..	..
Senegal	..	..	..	..	..	..	40	24
Serbia	855	402	..	20,186	7,112	..	..	..
Serbia and Montenegro	..	..	..	..	..	..	..	..
Sierra Leone	..	..	..	2	..	..	..	..
Slovakia	19	2	..	1,073	135	..	..	..
Slovenia	95	56	..	656	315	40	..	..
Solomon Islands	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..
South Africa	213,560	9,893	5,000	30	..	100	47	30
South Sudan	..	..	..	..	..	..	..	..
Spain	4,231	868	3,000	319	319	1,260	94	70
Sri Lanka	..	..	..	..	..	..	5	5
Sudan	..	..	..	..	..	..	..	..
Sudan (former)	..	..	..	..	..	..	..	..
Suriname	..	..	..	..	..	..	..	..
Sweden	5	1	..	4	1	20	700	70
Switzerland	..	..	..	..	..	..	..	..
Syrian Arab Republic	..	..	..	..	..	..	..	..
Tajikistan	4,075	375	..	..	..	..	..	..
Thailand	..	..	..	1,889	1,063	2,857	..	..
Timor-Leste	..	..	..	..	..	..	..	..
Togo	..	..	..	..	..	..	..	..
Trinidad and Tobago	..	..	..	..	..	..	..	..
Tunisia	..	..	..	..	..	..	..	..
Turkey	1,182	380	249	12,828	12,466	296	..	..
Turkmenistan	800	..	..	..	..	..	..	..
Uganda	800	..	..	..	..	..	..	..
Ukraine	81,045	32,039	5,170	7,717	2,336	6,174	2,160	684
United Arab Emirates	..	..	..	..	..	..	..	..
United Kingdom	186,770	70	190	1,000	500	..	..	..
United Rep. of Tanzania	1,410	269	*1,500	..	..	..	..	..
United States	6,680,329	222,641	445,346	1,398,360	30,483	667,415	26,000	13,000
Uruguay	..	..	..	..	..	..	..	..
Uzbekistan	10,852	1,375	..	..	1,853	..	..	..
Venezuela (Bolivar. Rep.)	6,712	731	4,528	..	..	..	..	..
Viet Nam	6,635	3,116	..	200,120	244	..	..	..
Yemen	..	..	..	..	..	..	..	..
Zambia	945	45	..	69	55	18	..	..
Zimbabwe	25,502	502	5,820	965	..	..	..	..

Table 36

Peat	Proved recoverable reserves				Uranium (metric tons)		Hydropower (Gross theoretical capability) (GWh/Year)	
	Estimated additional amount in place	Natural gas (billions cubic metres)	Crude oil and NGL	Oil shale	Bituminous sands	Reasonably assured resources		Inferred Resources
..	..	..	..	..	..	..	..	26,000
..	141	*24	..	..	..	..	..	175,000
200	..	..	..	..	..	..	..	111,000
..	414	170	..	1	1,300	1,300	..	1,577,000
..	*99	*15	..	..	..	..	..	47,000
2,300	95	15	7	..	..	..	..	25,000
..	..	..	..	..	6,000	1,000	..	32,000
..	24,528	2,695	..	..	..	..	..	..
..	..	..	..	..	..	..	..	2,000
10	110	80	..	1	3,100	3,600	..	70,000
168,320	32,271	14,024	35,470	4,518	216,500	432,000	..	2,295,000
2,000	*57	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	140
..	8,325	36,618	..	..	..	..	..	..
52	10	0	..	..	..	..	..	11,000
..	31	*7	..	..	..	..	..	27,000
..	45	22	..	..	..	..	..	118,000
..	..	*60	..	..	..	..	..	11,000
..	*14	*1	..	..	0	9,000	..	10,000
..	0	0	..	..	1,700	7,500	..	19,000
..	..	..	..	..	..	..	..	3,000
..	*6	..	..	..	5,000	2,600	..	2,000
..	10	*2	19	..	175,300	179,200	..	73,000
..	..	472	..	..	..	..	..	..
..	*3	*19	40	..	14,000	0	..	162,000
46	..	..	..	..	..	..	..	21,000
..	..	202	..	..	..	..	..	..
..	85	682	..	..	..	..	..	48,000
..	..	*12	..	..	..	..	..	39,000
..	..	..	875	..	5,000	8,500	..	200,000
..	..	..	..	..	..	..	..	125,000
..	285	*340	..	..	..	..	..	11,000
..	*6	*2	..	..	..	..	..	527,000
..	220	49	916	..	..	..	..	18,000
..	..	*59	..	..	..	..	..	..
..	..	..	..	..	..	..	..	4,000
..	326	*113	..	1	..	..	..	..
..	*65	55	..	..	..	..	..	1,000
..	*7	*46	284	..	7,300	..	..	433,000
..	17,479	82	1,100	..	..	..	..	24,000
..	*14	*136	..	..	..	..	..	33,000
1,846	604	*54	600	..	84,800	81,300	..	45,000
..	6,091	12,976	..	..	..	..	..	..
..	206	374	501	12	..	..	..	35,000
..	*1,317	..	..	..	30,100	15,600	..	39,000
..	10,441	*6,857	536,931	3	207,400	..	..	2,040,000
46	..	..	..	..	..	..	..	32,000
..	1,086	81	1,200	..	59,400	31,900	..	88,000
..	5,617	*26,807	..	9,212	731,000
..	617	*599	1,000	5,400	..	300,000
..	266	409
..	9,900	5,700	..	53,000
..	1,400	44,000

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