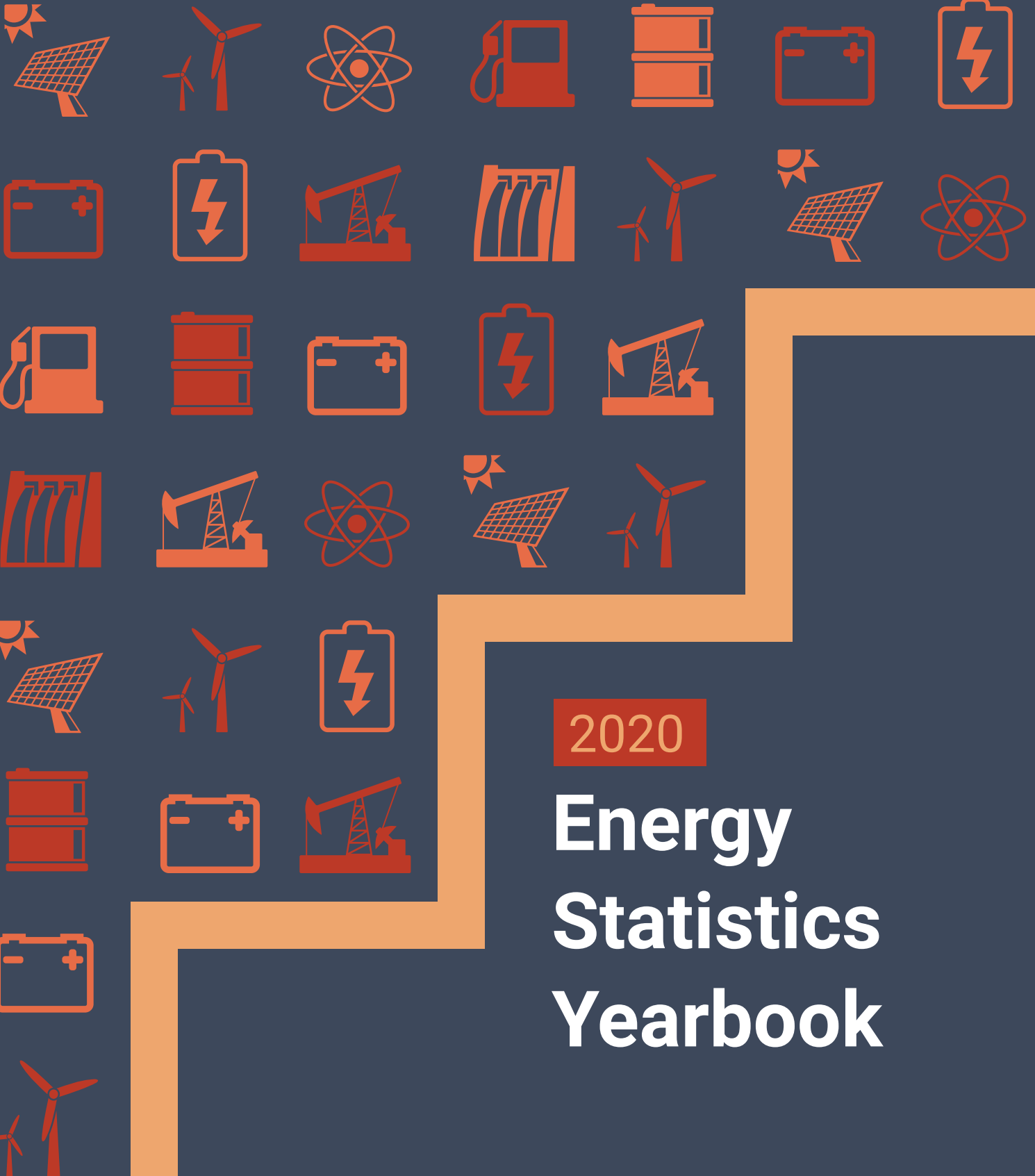




United Nations

Department of Economic and Social Affairs



2020

Energy Statistics Yearbook

2020 Energy Statistics Yearbook



Department of Economic and Social Affairs

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 December 2022

INTRODUCTION

The *Energy Statistics Yearbook 2020* is a comprehensive collection of international energy statistics prepared by the United Nations Statistics Division. It is the sixty-fourth 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.

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.³

This issue of the *Yearbook* contains data in original and common energy units (tons of coal equivalent and joules) for the years 2017-2020.⁴

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.

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:

- (a) The principal importers and exporters of hard coal, crude oil and natural gas for the years 2019 and 2020;
- (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;

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

³For details, see unstats.un.org/unsd/energystats/pubs/yearbook/

⁴Table 1 shows data back to 1990 to give a more historical perspective.

(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 format⁵. 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), Union Economique et Monétaire Ouest Africaine (UEMOA), 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, Mr. Man Soni, Ms. Costanza Giovannelli, Ms. Peng Guo, Mr. Graham Osborn and Ms. Ademi Moldogazieva.

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

⁵ For details, see 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. 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*⁶ 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.

⁶ 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 RESERVES⁷

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 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.

⁷World Energy Resources 2016.
World Energy Council (WEC)

Natural Gas

Proved recoverable reserves are the 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 and the U.S. Virgin 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 2014 onward. The methodology for collecting animal waste information was improved starting with 2015 data and it might lead to breaks in time series between 2014 and 2015.

Australia – Due to confidentiality issues some data for primary coal and coal products as well as oil products from 2018 to 2020 have been suppressed or aggregated with other products or flows.

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

Bulgaria – Production of crude oil is confidential from 2019 data onward.

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.

France – For confidentiality reasons, the category blast furnace gas also includes coke oven gas and other recovered gases from 2018 onwards.

Germany – Trade data of natural gas up to 2017 include transit volumes.

Greenland – Data for kerosene-type jet fuel include other kerosene.

Ireland – Due to confidentiality issues patent fuel quantities are aggregated with anthracite figures.

Israel – For confidentiality reasons, data on electricity generation from hydro, wind and autoproductors biogases are aggregated under autoproductors wind from 2016 onward.

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*.

Natural gas production may include unmarketable gas up to 2017 data, historical revisions are pending.

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.

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 were estimated by UNSD.

Ukraine – For confidentiality reasons, data on the following products (mainly on production) may not be available or may be included with other products: anthracite (included with other bituminous coal), 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). Starting with 2018 data motor gasoline and gas oil/diesel oil production are estimated by UNSD.

United Kingdom – Shipments of coal and oil to the Channel Islands and the Isle of Man from the United Kingdom are not classed as exports. Supplies of coal and oil to these islands are, therefore, included as part of UK supply. Exports of natural gas to the Isle of Man are included with the exports to Ireland.

Uzbekistan – In 2019, the State Committee of the Republic of Uzbekistan on Statistics released more granular energy supply information, starting with 2013 data and with 2018 data. As a result, there are breaks in time series for many products and flows between 2012 and 2012, and between 2018 and 2019. For historical data, revisions are pending.

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	2017	2018	2019	2020
Standard factor	25.8	25.8	25.8	25.8
Albania	20.4	20.4	20.4	22.8
Algeria	28.2	28.2	28.2	28.2
Argentina	24.7	24.7	24.7	24.7
Australia	27.0	26.9	26.9	26.9
Austria	28.4	28.4	28.0	28.5
Azerbaijan	27.7	27.7	27.7	27.7
Bangladesh	20.9	20.9	20.9	20.9
Belarus	24.5	23.7	24.7	24.7
Belgium	29.4	29.4	29.5	28.9
Bosnia and Herzegovina	29.1	29.1	29.1	28.9
Botswana	23.6	23.6	23.6	23.6
Brazil	16.8	16.7	16.7	15.9
Bulgaria	25.2	27.4	26.9	25.4
Canada	25.0	25.0	25.1	25.2
Chile	17.0	16.7	16.7	16.7
China	20.8	20.8	20.7	20.6
China, Hong Kong SAR	26.4	26.4	26.4	26.4
Colombia	27.2	27.2	28.8	28.8
Croatia	25.1	25.1	24.6	25.1
Czechia	26.6	26.5	27.1	26.8
Denmark	24.3	26.6	23.9	24.0
Estonia	22.0	22.0	24.9	24.9
Finland	26.6	26.8	27.0	27.3
France	27.2	27.6	27.9	27.9
Georgia	27.6	27.6	27.6	27.6
Germany	29.1	29.1	27.4	28.2
Greece	23.3	25.9	26.1	25.7
Guatemala	28.9	28.9	28.9	28.9
Hungary	29.4	30.0	29.7	29.8
India	16.1	16.0	15.9	15.7
Indonesia	25.9	25.9	24.5	25.9
Iran (Islamic Republic of)	28.0	28.0	28.0	28.0
Ireland	25.8	25.8	26.9	25.8
Israel	24.9	24.9	24.8	24.7
Italy	25.1	24.9	25.3	27.2
Japan	24.4	23.2	23.2	23.4
Jordan	26.7	26.7	26.7	26.7
Kazakhstan	18.6	18.9	17.9	17.9
Korea, Democratic People's Republic of	26.5	26.5	26.5	26.5
Korea, Republic of	19.4	19.4	19.4	19.4
Kosovo	22.5	22.5	22.5	22.5
Kyrgyzstan	18.6	18.6	18.6	18.6

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

HARD COAL	2017	2018	2019	2020
Standard factor	25.8	25.8	25.8	25.8
Latvia	24.1	24.1	24.4	24.4
Lithuania	25.1	25.1	25.1	25.1
Luxembourg	24.6	24.6	24.6	24.6
Malaysia	26.4	26.4	26.4	26.4
Mauritius	26.0	26.0	26.0	26.0
Mexico	29.3	29.3	29.0	29.0
Mongolia	28.3	28.3	28.3	28.3
Morocco	27.6	27.6	27.6	27.6
Mozambique	26.9	26.8	26.7	26.8
Myanmar	23.3	23.3	23.3	23.3
Namibia	22.7	22.7	22.7	22.7
Nepal	25.1	25.1	25.1	25.1
Netherlands	26.2	26.4	26.5	27.2
New Caledonia	26.0	26.0	26.0	26.0
New Zealand	29.7	28.7	28.8	28.7
Niger	16.0	16.0	16.0	16.0
North Macedonia	26.2	27.0	27.0	25.7
Norway	28.1	28.1	28.1	28.1
Other Asia	27.4	25.1	25.5	25.5
Pakistan	18.8	18.8	18.8	18.8
Peru	27.1	26.9	27.5	27.5
Poland	23.9	23.9	23.7	24.0
Portugal	24.9	24.8	24.8	30.4
Republic of Moldova	25.2	24.9	24.9	24.3
Romania	25.6	25.6	25.6	25.7
Russian Federation	26.1	26.1	26.1	26.2
Serbia	25.6	27.5	27.7	27.4
Slovakia	29.0	28.9	28.2	28.6
Slovenia	27.4	27.3	27.3	27.4
South Africa	23.7	23.7	23.7	23.7
Spain	19.5	19.6	24.3	25.0
Sri Lanka	29.3	29.3	29.3	29.3
Sweden	29.0	28.7	29.1	29.2
Switzerland	25.5	25.5	25.5	25.5
Tajikistan	18.6	18.6	18.6	18.9
Thailand	26.4	26.4	26.4	26.4
Türkiye	24.6	24.9	24.7	24.7
Ukraine	23.4	23.2	23.5	22.0
United Arab Emirates	27.7	27.8	27.8	27.8
United Kingdom	25.1	25.1	26.8	27.5
United States	27.1	27.2	27.2	27.1
Uzbekistan	18.6	18.6	18.6	18.6

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

HARD COAL	2017	2018	2019	2020
Standard factor	25.8	25.8	25.8	25.8
Venezuela (Bolivarian Republic of)	30.6	30.6	30.6	30.6
Viet Nam	23.4	23.4	23.4	23.4
Zambia	24.7	24.7	24.7	24.7
Zimbabwe	27.0	27.0	27.0	27.0
BROWN COAL	2017	2018	2019	2020
Standard factor	14.0	14.0	14.0	14.0
Australia	12.6	13.1	13.1	13.1
Austria	20.3	21.1	22.1	21.5
Belgium	21.8	22.6	22.6	22.6
Bosnia and Herzegovina	10.7	10.6	10.7	10.3
Bulgaria	6.9	7.0	7.0	7.0
Cambodia	11.9	11.9	11.9	11.9
Canada	16.7	16.5	16.2	16.0
Czechia	12.5	12.6	12.5	12.5
France	17.0	17.0	17.0	17.0
Georgia	17.0	17.0	17.0	17.0
Germany	9.0	9.0	9.1	9.1
Greece	5.1	4.9	4.7	4.9
Hungary	6.7	6.7	6.1	6.4
India	9.5	9.5	9.5	9.5
Kazakhstan	19.5	19.5	19.4	19.4
Korea, Democratic People's Republic of	17.6	17.6	17.6	17.6
Kosovo	7.8	7.8	7.8	7.8
Kyrgyzstan	14.7	14.7	14.7	14.7
Lao People's Democratic Republic	10.8	9.6	9.6	9.6
Lithuania	22.7	22.7	22.7	22.7
Mexico	19.6	19.6	19.8	19.8
Mongolia	14.4	14.4	14.4	14.4
Montenegro	9.2	9.6	10.3	10.1
Netherlands	20.0	20.0	20.0	20.0
New Zealand	19.5	19.7	22.2	22.1
North Macedonia	7.0	6.7	6.6	6.6
Other Asia	18.9	20.5	20.6	20.6
Philippines	22.1	22.1	22.1	22.1
Poland	8.3	8.3	7.9	8.0
Romania	7.3	7.1	7.6	7.2
Russian Federation	14.9	14.9	14.9	14.9
Serbia	7.6	7.4	7.4	7.6
Slovakia	10.2	10.2	10.2	10.4
Slovenia	11.6	11.7	11.7	11.4
Spain	13.5	13.4	13.4	13.4
Switzerland	23.6	23.6	23.6	23.6

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

BROWN COAL	2017	2018	2019	2020
Standard factor	14.0	14.0	14.0	14.0
Tajikistan	17.0	17.0	17.0	17.0
Thailand	10.6	10.6	10.5	10.5
Türkiye	8.6	8.0	8.1	8.2
Ukraine	16.0	16.0	16.0	16.0
United Arab Emirates	18.9	18.9	11.9	11.9
United States	18.2	18.3	18.3	18.2
Uzbekistan	14.7	14.7	14.7	14.7
COKE OVEN COKE	2017	2018	2019	2020
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	28.6	27.9	28.7	28.8
Belarus	29.0	29.0	29.0	29.0
Belgium	29.3	29.3	29.3	29.1
Bosnia and Herzegovina	28.5	28.5	28.5	28.4
Brazil	28.9	28.9	28.9	28.9
Bulgaria	28.5	28.5	28.5	28.5
Canada	27.5	27.5	27.5	27.5
Chile	28.6	30.1	30.1	28.6
China	28.5	28.4	28.4	28.4
Colombia	20.1	20.1	20.1	20.1
Croatia	29.3	29.3	29.3	29.3
Czechia	28.9	28.5	28.6	28.4
Denmark	29.3	29.3	29.3	29.3
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
Georgia	29.3	29.3	29.3	29.3
Germany	28.7	28.7	28.7	28.7
Hungary	29.6	29.4	29.5	29.5
Italy	29.0	28.8	28.4	28.4
Japan	29.2	29.2	29.2	29.0
Kazakhstan	26.9	26.9	27.5	27.5
Korea, Republic of	28.9	28.9	28.9	28.9
Latvia	26.8	26.8	26.0	26.8
Lithuania	29.3	29.3	29.3	29.3
Mexico	28.4	28.4	28.7	28.7
Netherlands	28.5	28.5	28.5	28.5
New Zealand	29.5	29.5	29.5	29.5
North Macedonia	26.9	29.1	28.6	29.1

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

COKE OVEN COKE	2017	2018	2019	2020
Standard factor	28.2	28.2	28.2	28.2
Norway	28.5	28.5	28.5	28.5
Other Asia	28.2	29.3	29.3	29.3
Poland	28.0	28.0	28.0	28.0
Portugal	30.8	30.8	30.8	30.8
Romania	26.4	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	28.4	28.4	28.3	28.4
Slovenia	30.1	30.1	30.1	26.8
South Africa	26.5	26.5	26.5	26.5
Spain	27.3	27.3	27.3	27.3
Sweden	28.1	28.1	28.1	28.1
Switzerland	25.5	25.5	25.5	25.5
Türkiye	27.0	27.0	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	2017	2018	2019	2020
Standard factor	20.7	20.7	20.7	20.7
Austria	31.0	31.0	31.0	31.0
Belgium	30.5	30.5	30.5	31.4
France	32.0	32.0	32.0	32.0
Germany	31.4	31.4	31.4	31.4
Korea, Republic of	19.4	19.4	19.4	19.4
Poland	23.2	23.2	23.2	27.0
United Arab Emirates	29.0	29.0	29.0	29.0
United Kingdom	28.3	28.3	28.3	28.3
Uzbekistan	29.0	29.0	29.0	29.0
BROWN COAL BRIQUETTES	2017	2018	2019	2020
Standard factor	20.7	20.7	20.7	20.7
Australia	21.0	21.0	21.0	21.0
Austria	19.8	19.8	19.8	19.8
Belgium	20.7	20.7	18.8	18.8
Bulgaria	12.6	12.9	12.9	10.7
Czechia	23.3	22.9	23.1	23.2
Denmark	18.3	18.3	18.3	18.3
France	16.9	16.9	16.9	16.9
Germany	21.1	21.1	21.3	21.3
India	20.0	20.0	20.0	20.0
Ireland	19.8	19.8	19.8	19.8

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

BROWN COAL BRIQUETTES	2017	2018	2019	2020
Standard factor	20.7	20.7	20.7	20.7
Poland	17.5	17.5	17.5	17.5
Serbia	17.6	17.8	17.9	17.9
Slovakia	17.6	17.6	17.6	20.0
PEAT	2017	2018	2019	2020
Standard factor	9.8	9.8	9.8	9.8
Belarus	9.4	9.7	9.9	9.9
Burundi	14.7	14.7	14.7	14.7
Estonia	10.1	10.1	10.1	10.1
Falkland Islands	9.5	9.5	9.5	9.5
Finland	9.9	9.9	10.4	10.4
Ireland	8.7	8.7	9.6	13.1
Latvia	10.1	10.1	10.1	10.1
Lithuania	11.7	11.7	11.7	11.7
Romania	8.8	8.8	8.8	8.8
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	2017	2018	2019	2020
Standard factor	8.9	8.9	8.9	8.9
Bulgaria	7.0	7.0	7.0	7.0
Estonia	8.0	9.2	9.2	8.6
Israel	4.0	4.0	4.0	4.0
CRUDE OIL	2017	2018	2019	2020
Standard factor	42.3	42.3	42.3	42.3
Australia	44.0	44.0	44.0	44.0
Austria	42.5	42.5	42.5	42.5
Azerbaijan	43.1	43.1	43.1	43.1
Belgium	42.2	42.1	42.0	42.0
Canada	42.8	42.8	42.8	42.8
Chile	43.2	43.2	43.2	43.2
China	41.9	41.9	41.9	41.9
Czechia	42.4	42.8	42.8	42.8
Denmark	43.0	43.0	43.0	43.0
Finland	42.7	42.7	42.7	42.7
France	42.8	42.8	42.8	42.8
Georgia	42.5	42.5	42.5	42.5
Germany	42.5	42.5	42.5	42.5
Greece	38.2	38.2	40.9	40.9
Hungary	41.8	41.8	41.8	41.8

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

CRUDE OIL	2017	2018	2019	2020
Standard factor	42.3	42.3	42.3	42.3
Ireland	42.8	42.8	42.8	42.8
Israel	42.5	42.5	42.5	42.5
Italy	41.9	41.9	41.9	41.9
Japan	42.0	42.0	41.9	42.0
Korea, Republic of	42.2	42.2	42.2	42.2
Lithuania	42.3	42.3	42.0	42.0
Mexico	43.5	43.5	43.5	43.5
Morocco	42.4	42.4	42.4	42.4
Netherlands	42.7	42.7	42.7	42.7
New Zealand	43.6	43.6	43.7	43.7
Norway	44.4	42.8	42.6	42.9
Peru	43.0	42.3	42.3	42.3
Poland	42.1	42.5	42.5	42.5
Portugal	43.0	43.0	43.0	43.0
Slovakia	43.3	43.3	43.3	43.3
Slovenia	42.7	42.7	42.7	42.7
Sweden	42.2	42.2	42.2	42.2
Switzerland	43.2	43.2	43.2	43.2
Türkiye	44.2	44.2	44.2	42.8
United Kingdom	43.4	43.4	43.4	43.4
United States	42.7	42.6	42.5	42.8
NATURAL GAS LIQUIDS	2017	2018	2019	2020
Standard factor	44.2	44.2	44.2	44.2
Australia	45.4	45.4	45.4	45.4
Austria	42.5	42.5	42.5	42.5
Azerbaijan	39.1	39.1	39.1	39.1
Canada	45.2	45.2	45.2	45.2
Chile	48.1	48.1	48.1	48.1
Equatorial Guinea	47.3	47.3	47.3	47.3
France	42.0	42.0	42.0	42.0
Hungary	43.0	43.0	43.0	43.0
Japan	45.3	45.2	45.4	45.3
Mexico	41.4	41.4	41.4	41.4
Netherlands	44.0	44.0	44.0	44.0
New Zealand	45.8	45.8	45.8	45.8
Norway	43.8	43.8	43.8	43.8
Peru	42.1	42.1	42.1	42.1
Slovakia	42.0	42.0	42.0	42.0
Slovenia	48.6	48.6	48.6	48.6
United Kingdom	45.3	45.3	45.3	45.3
United States	46.2	44.8	45.0	44.8

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

REFINERY FEEDSTOCKS	2017	2018	2019	2020
Standard factor	43.0	43.0	43.0	43.0
Australia	43.3	43.3	43.3	43.3
Austria	42.3	42.3	42.3	42.3
Belgium	42.2	42.1	42.0	42.0
Canada	42.5	42.5	42.5	42.5
Chile	44.8	44.8	44.8	44.8
Czechia	40.2	40.2	40.2	40.2
Denmark	42.7	42.7	42.7	42.7
Finland	42.5	42.5	42.5	42.5
France	41.9	41.9	41.9	41.9
Germany	42.5	42.5	42.5	42.5
Greece	41.3	41.3	41.3	41.3
Hungary	41.8	41.8	41.8	41.8
Ireland	44.6	44.6	44.6	44.6
Israel	44.8	44.8	44.8	44.8
Italy	42.5	42.5	42.5	42.5
Japan	42.5	42.5	42.5	42.5
Korea, Republic of	47.2	47.2	47.2	47.2
Lithuania	41.5	42.3	42.3	42.3
Mexico	42.4	42.4	42.4	42.4
Netherlands	41.9	41.8	41.8	41.8
New Zealand	43.9	43.9	43.9	43.9
Norway	42.3	42.3	42.3	42.3
Poland	43.0	42.9	42.8	42.8
Portugal	42.6	42.6	42.6	42.6
Slovakia	43.9	43.9	43.9	43.9
Spain	42.5	42.5	42.5	42.5
Sweden	44.2	44.2	44.2	44.2
Switzerland	43.7	43.7	43.7	43.7
Türkiye	41.5	41.5	41.5	41.5
United Kingdom	42.0	42.0	42.0	42.0
United States	43.5	43.5	43.5	43.5
OTHER HYDROCARBONS	2017	2018	2019	2020
Standard factor	36.0	36.0	36.0	36.0
Belgium	120.0	120.0	120.0	120.0
Brazil	120.0	120.0	120.0	120.0
Canada	41.9	41.9	41.9	41.9
Chile	35.2	35.2	35.2	35.2
Estonia	39.3	39.3	39.3	39.6
Finland	49.1	49.5	49.1	49.1
Hungary	40.0	40.0	40.0	40.0

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

OTHER HYDROCARBONS	2017	2018	2019	2020
Standard factor	36.0	36.0	36.0	36.0
Ireland	47.2	47.5	47.2	47.2
Israel	41.9	41.9	41.9	41.9
Latvia	39.4	39.4	39.4	39.4
Mexico	41.9	41.9	41.9	41.9
Poland	42.5	42.5	42.5	42.5
Portugal	120.0	120.0	120.0	120.0
Serbia	120.0	120.0	120.0	120.0
Slovakia	41.5	41.5	41.5	41.5
Sweden	41.9	41.9	41.9	41.9
Türkiye	41.9	41.9	41.9	41.9
United Kingdom	28.2	28.2	28.2	28.2
United States	51.0	51.0	51.0	51.0
ADDITIVES/BLENDING COMPONENTS	2017	2018	2019	2020
Standard factor	30.0	30.0	30.0	30.0
Canada	25.1	25.1	25.1	25.1
Chile	22.7	22.7	22.7	22.7
Czechia	39.5	39.5	39.5	39.5
Equatorial Guinea	20.9	20.9	20.9	20.9
France	35.2	35.2	34.9	34.7
Germany	37.1	37.1	37.0	37.0
Greece	41.3	41.3	41.3	41.3
Hungary	41.8	41.8	41.8	41.8
Italy	37.0	37.0	37.0	37.0
Korea, Republic of	44.1	44.1	44.1	44.1
Lithuania	41.9	41.9	41.9	41.9
Mexico	34.1	34.1	34.1	34.1
Netherlands	37.4	38.8	39.0	39.0
Norway	36.8	36.8	36.8	36.8
Poland	40.2	40.2	40.2	40.2
Portugal	37.0	37.0	37.0	37.0
Slovakia	42.0	42.0	42.0	42.0
Spain	25.1	25.1	25.1	25.1
Sweden	39.9	39.9	39.9	39.9
Switzerland	41.3	41.3	41.3	41.3
United Kingdom	32.1	33.3	33.3	33.3
United States	37.9	37.9	37.9	37.9

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
HARD COAL	2017	2018	2019	2020
Standard factor	25.8	25.8	25.8	25.8
Albania	25.2	25.2	25.2	24.8
Algeria	28.2	28.2	28.2	28.2
Argentina	28.8	28.8	30.0	29.1
Armenia	26.7	26.7	26.8	26.7
Australia	28.1	27.9	27.0	28.2
Austria	28.4	28.4	28.0	28.5
Azerbaijan	27.7	27.7	27.7	27.7
Bangladesh	20.9	20.9	20.9	20.9
Belarus	24.5	23.7	24.7	24.7
Belgium	29.4	29.4	29.5	28.9
Bosnia and Herzegovina	29.1	29.1	29.1	28.9
Brazil	27.7	27.5	27.6	27.9
Bulgaria	25.2	27.4	26.9	25.4
Canada	27.9	28.0	28.0	28.0
Chile	24.1	23.9	24.0	24.0
China	18.3	17.8	18.1	18.2
China, Hong Kong SAR	26.4	26.4	26.4	26.4
Colombia	27.2	27.2	28.8	28.8
Croatia	25.1	25.1	24.6	25.1
Czechia	26.5	26.2	27.2	26.9
Denmark	24.3	26.6	23.9	24.0
Egypt	25.7	25.8	25.8	25.8
Estonia	22.0	22.0	24.9	24.9
Finland	26.6	26.8	27.0	27.3
France	27.2	27.6	27.9	27.9
Georgia	27.6	27.6	27.6	27.6
Germany	26.6	26.7	27.4	28.2
Greece	23.3	25.9	26.1	25.7
Guatemala	28.9	28.9	28.9	28.9
Honduras	28.9	28.9	28.9	28.9
Hungary	29.4	30.0	29.7	29.8
Iceland	28.1	27.8	27.8	27.8
India	26.6	26.8	26.7	25.4
Indonesia	28.2	28.2	28.2	28.2
Iran (Islamic Republic of)	26.1	25.8	25.8	25.8
Ireland	25.8	25.8	26.9	25.8
Israel	24.9	24.9	24.8	24.7
Italy	25.1	24.9	25.3	27.2
Japan	25.9	25.9	25.9	25.0
Jordan	26.7	26.7	26.7	26.7
Kazakhstan	18.6	22.1	26.2	28.1
Korea, Republic of	24.8	24.8	24.8	25.0
Kosovo	22.5	27.0	23.3	22.5
Kyrgyzstan	20.5	20.9	20.9	20.8

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
HARD COAL	2017	2018	2019	2020
Standard factor	25.8	25.8	25.8	25.8
Latvia	24.1	24.1	24.4	24.4
Lebanon	27.7	27.7	27.7	27.7
Lithuania	25.1	25.1	25.1	25.1
Luxembourg	24.6	24.6	24.6	24.6
Malaysia	26.4	26.4	26.4	26.4
Mauritius	26.0	26.0	26.0	26.0
Mexico	26.0	26.0	26.0	26.1
Mongolia	28.6	28.6	28.6	28.3
Morocco	27.6	27.6	27.6	27.6
Namibia	22.7	22.7	22.7	22.7
Nepal	25.1	25.1	25.1	25.1
Netherlands	26.2	26.4	26.5	27.2
New Caledonia	26.0	26.0	26.0	26.0
New Zealand	26.6	27.0	28.8	28.2
North Macedonia	26.2	27.0	27.0	25.7
Norway	28.1	28.1	28.1	28.1
Other Asia	27.4	25.1	25.5	25.5
Pakistan	27.6	27.6	27.6	27.6
Paraguay	28.1	28.1	28.1	28.1
Peru	30.5	30.5	30.5	30.5
Poland	24.9	24.2	24.8	24.8
Portugal	24.9	24.8	24.8	30.4
Republic of Moldova	25.2	24.9	24.9	24.3
Romania	25.6	25.6	25.6	25.7
Russian Federation	25.6	25.7	25.7	25.6
Senegal	25.9	25.9	25.9	25.9
Serbia	25.6	27.5	27.7	27.4
Slovakia	29.0	28.9	28.2	28.6
Slovenia	27.4	27.3	27.3	27.4
South Africa	31.0	31.0	31.0	31.0
Spain	24.1	24.0	24.3	25.0
Sri Lanka	29.3	29.3	29.3	29.3
Sweden	29.0	28.7	29.1	29.2
Switzerland	25.5	25.5	25.5	25.5
Tajikistan	18.6	18.6	18.6	18.6
Thailand	26.4	26.4	26.4	26.4
Türkiye	26.7	26.2	26.2	26.1
Ukraine	25.5	26.0	25.2	26.7
United Arab Emirates	27.7	27.8	27.8	27.8
United Kingdom	26.9	26.5	26.9	27.6
United States	25.1	25.3	24.9	25.1
Uzbekistan	18.6	18.6	18.6	18.6
Viet Nam	23.4	23.4	23.4	23.4
Zimbabwe	27.0	27.0	27.0	27.0

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
BROWN COAL	2017	2018	2019	2020
Standard factor	14.0	14.0	14.0	14.0
Armenia	7.8	11.9	11.9	11.9
Austria	20.3	21.1	22.1	21.5
Belgium	22.6	22.6	22.6	22.6
Bosnia and Herzegovina	10.7	10.6	10.7	10.3
Brunei Darussalam	18.8	18.8	18.8	18.8
Bulgaria	11.9	11.9	11.9	11.9
Cambodia	19.9	19.9	19.9	19.9
Canada	17.9	17.9	17.9	17.9
Croatia	17.1	17.1	17.1	16.7
Czechia	14.0	14.2	14.3	15.2
France	17.0	17.0	17.0	17.0
Germany	18.4	18.4	17.9	18.4
Greece	5.1	5.1	5.1	5.1
Hungary	17.9	17.9	17.9	17.1
India	18.0	18.0	18.0	18.0
Italy	17.0	10.5	10.5	10.5
Kazakhstan	19.5	19.5	19.4	19.4
Korea, Republic of	21.4	21.4	19.9	19.9
Kosovo	7.8	7.8	7.8	7.8
Kyrgyzstan	14.7	14.7	14.7	14.7
Lithuania	22.7	22.7	22.7	22.7
Mexico	19.0	19.0	18.6	18.5
Montenegro	9.2	9.6	10.3	10.1
Netherlands	20.0	20.0	20.0	20.0
New Zealand	20.2	20.2	23.2	23.1
North Macedonia	22.1	19.4	19.9	19.3
Other Asia	18.9	20.5	20.6	20.6
Philippines	22.0	21.9	22.0	22.1
Poland	8.3	8.3	7.9	8.0
Romania	24.5	22.8	22.8	22.7
Russian Federation	14.9	14.9	14.9	14.9
Serbia	8.1	8.1	8.1	8.1
Slovakia	14.3	14.3	14.3	14.2
Slovenia	19.0	19.0	19.0	19.0
Switzerland	23.6	23.6	23.6	23.6
Tajikistan	17.0	17.0	17.0	17.0
Thailand	12.1	12.1	12.1	12.1
United Arab Emirates	18.9	18.9	11.9	11.9
United States	19.6	19.8	19.9	20.0
Uzbekistan	14.7	14.7	14.7	14.7

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
COKE OVEN COKE	2017	2018	2019	2020
Standard factor	28.2	28.2	28.2	28.2
Australia	27.0	27.0	27.0	27.0
Austria	28.6	27.9	28.7	28.8
Belarus	29.0	29.0	29.0	29.0
Belgium	29.3	29.3	29.3	29.1
Bosnia and Herzegovina	28.5	28.5	28.5	28.4
Brazil	28.9	28.9	28.9	28.9
Bulgaria	28.5	28.5	28.5	28.5
Canada	27.5	27.5	27.5	27.5
Chile	28.6	28.6	28.6	27.8
China	28.5	28.4	28.4	28.4
Croatia	29.3	29.3	29.3	29.3
Czechia	28.0	26.8	28.1	28.5
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
Hungary	29.6	29.3	29.5	29.4
Iceland	26.7	27.8	27.8	27.8
Italy	28.4	28.8	28.4	28.4
Japan	29.2	29.2	29.2	29.0
Kazakhstan	26.9	26.9	27.5	27.5
Korea, Republic of	28.9	28.9	28.9	28.9
Latvia	26.8	26.8	26.8	26.8
Lithuania	29.3	29.3	29.3	29.3
Luxembourg	28.5	28.5	28.5	28.5
Mexico	28.7	28.7	27.8	27.8
Netherlands	28.5	28.5	28.5	28.5
North Macedonia	26.9	29.1	28.6	29.1
Norway	28.5	28.5	28.5	28.5
Other Asia	28.2	29.3	29.3	29.3
Poland	28.0	28.0	28.0	28.0
Portugal	30.8	30.8	30.8	30.8
Romania	26.4	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	27.7	27.7	28.0	26.2
Slovenia	30.1	30.1	30.1	26.8
Spain	27.3	27.3	27.3	27.3

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
COKE OVEN COKE	2017	2018	2019	2020
Standard factor	28.2	28.2	28.2	28.2
Sweden	28.1	28.1	28.1	28.1
Switzerland	25.5	25.5	25.5	25.5
Türkiye	27.0	27.0	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	2017	2018	2019	2020
Standard factor	20.7	20.7	20.7	20.7
Austria	31.0	31.0	31.0	31.0
Belgium	30.5	30.5	30.5	31.4
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 Arab Emirates	29.0	29.0	29.0	29.0
United Kingdom	28.3	28.3	28.3	28.3
BROWN COAL BRIQUETTES	2017	2018	2019	2020
Standard factor	20.7	20.7	20.7	20.7
Australia	22.0	22.0	22.0	22.0
Austria	19.8	19.8	19.8	19.8
Belgium	20.7	20.7	20.7	18.8
Czechia	20.2	20.3	20.1	20.4
Denmark	18.3	18.3	18.3	18.3
France	16.9	16.9	16.9	16.9
Germany	25.6	25.6	27.3	21.3
Hungary	19.6	19.3	19.7	19.7
Ireland	19.8	19.8	19.8	19.8
Luxembourg	22.2	22.2	22.2	22.2
Mexico	18.0	18.0	18.0	18.0
Netherlands	20.0	20.0	20.0	20.0
Poland	17.5	17.5	17.5	17.5
Serbia	15.8	15.8	15.7	17.9
Slovakia	17.6	17.6	17.6	20.0

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
PEAT	2017	2018	2019	2020
Standard factor	9.8	9.8	9.8	9.8
Finland	9.9	9.9	10.4	10.4
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
CRUDE OIL	2017	2018	2019	2020
Standard factor	42.3	42.3	42.3	42.3
Australia	42.7	42.7	42.7	42.7
Austria	42.5	42.5	42.5	42.5
Azerbaijan	43.1	43.1	43.1	43.1
Belgium	42.2	42.1	42.0	42.0
Canada	42.8	42.8	42.8	42.8
Chile	43.2	43.2	43.2	43.2
China	41.9	41.9	41.9	41.9
Czechia	42.4	42.8	42.8	42.8
Denmark	43.0	43.0	43.0	43.0
Finland	42.7	42.7	42.7	42.7
France	42.8	42.8	42.8	42.8
Georgia	42.5	42.5	42.5	42.5
Germany	42.5	42.5	42.5	42.5
Greece	41.5	41.5	41.5	41.5
Hungary	41.8	41.8	41.8	41.8
Ireland	42.8	42.8	42.8	42.8
Israel	42.5	42.5	42.5	42.5
Italy	41.9	41.9	41.9	41.9
Japan	42.1	42.0	41.9	42.0
Korea, Republic of	42.2	42.2	42.2	42.2
Lithuania	42.3	42.3	42.0	42.0
Mexico	43.5	43.5	43.5	43.5
Netherlands	42.7	42.7	42.7	42.7
New Zealand	42.8	42.8	42.7	42.7
Norway	44.4	42.8	42.6	42.9
Peru	43.0	42.3	42.3	42.3
Poland	42.5	42.5	42.5	42.5
Portugal	43.0	43.0	43.0	43.0
Slovakia	42.0	42.0	42.0	42.0
Sweden	42.2	42.2	42.2	42.2
Switzerland	43.2	43.2	43.2	43.2
Türkiye	44.4	44.4	44.4	43.2
United Kingdom	43.4	43.4	43.4	43.4
United States	43.6	43.7	43.7	43.7

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
NATURAL GAS LIQUIDS	2017	2018	2019	2020
Standard factor	44.2	44.2	44.2	44.2
Belgium	45.2	45.2	45.2	45.2
Canada	45.2	45.2	45.2	45.2
Finland	44.0	44.0	44.0	44.0
France	42.0	42.0	42.0	42.0
Japan	45.3	45.2	45.4	45.3
Netherlands	44.0	44.0	44.0	44.0
United Kingdom	45.3	45.3	45.3	45.3
United States	47.5	46.1	46.3	46.1
REFINERY FEEDSTOCKS	2017	2018	2019	2020
Standard factor	43.0	43.0	43.0	43.0
Australia	43.3	43.3	43.3	43.3
Austria	42.3	42.3	42.3	42.3
Belgium	42.2	42.1	42.0	42.0
Czechia	40.2	40.2	40.2	40.2
Denmark	42.7	42.7	42.7	42.7
France	41.9	41.9	41.9	41.9
Greece	41.3	41.3	41.3	41.3
Hungary	41.8	41.8	41.8	41.8
Ireland	44.6	44.6	44.6	44.6
Israel	44.8	44.8	44.8	44.8
Italy	42.5	42.5	42.5	42.5
Korea, Republic of	47.2	47.2	47.2	47.2
Lithuania	41.5	42.3	42.3	42.3
New Zealand	43.9	43.9	43.9	43.9
Poland	43.0	42.9	42.8	42.8
Portugal	42.6	42.6	42.6	42.6
Spain	42.5	42.5	42.5	42.5
Sweden	44.2	44.2	44.2	44.2
Switzerland	43.7	43.7	43.7	43.7
United Kingdom	42.0	42.0	42.0	42.0
United States	43.5	43.5	43.5	43.5
OTHER HYDROCARBONS	2017	2018	2019	2020
Standard factor	36.0	36.0	36.0	36.0
Latvia	39.4	39.4	39.4	39.4
United Kingdom	28.2	28.2	28.2	28.2
United States	51.0	51.0	51.0	51.0

Table I (continued)

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

IMPORTS				
ADDITIVES/BLENDING COMPONENTS	2017	2018	2019	2020
Standard factor	30.0	30.0	30.0	30.0
Canada	25.1	25.1	25.1	25.1
Chile	22.7	22.7	22.7	22.7
Czechia	39.5	39.5	39.5	39.5
Finland	42.5	42.5	42.5	42.5
France	35.2	35.2	34.9	34.7
Greece	41.3	41.3	41.3	41.3
Hungary	41.8	41.8	41.8	41.8
Italy	37.0	37.0	37.0	37.0
Korea, Republic of	44.1	44.1	44.1	44.1
Lithuania	41.9	41.9	41.9	41.9
Mexico	34.1	34.1	34.1	34.1
Netherlands	37.4	38.8	39.0	39.0
Poland	40.2	40.2	40.2	40.2
Portugal	37.0	37.0	37.0	37.0
Slovakia	42.0	42.0	42.0	42.0
Spain	25.1	25.1	25.1	25.1
Sweden	39.9	39.9	39.9	39.9
Switzerland	41.3	41.3	41.3	41.3
Türkiye	25.1	25.1	25.1	25.1
United Kingdom	32.1	33.3	33.3	33.3
United States	37.9	37.9	37.9	37.9

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

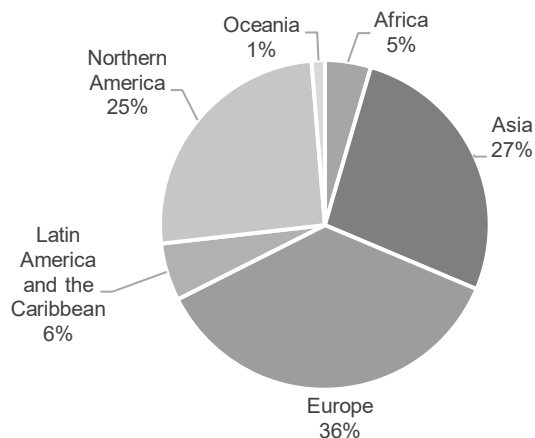


Figure 2: Total energy supply by region, 2020

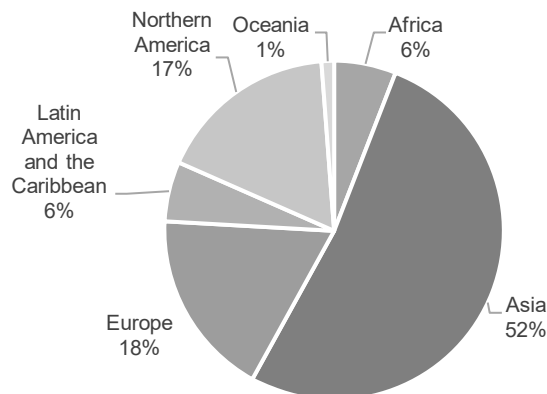


Figure 3: Total energy supply by region, 1990-2020

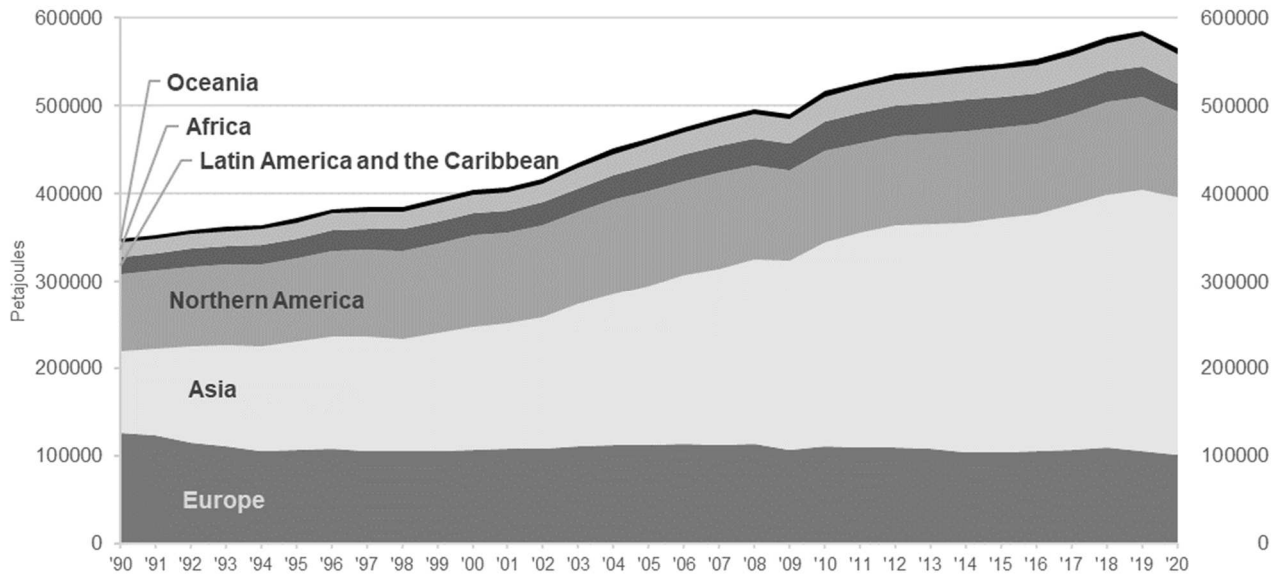


Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2015	2020
World	349,093	372,485	404,872	463,238	516,619	548,328	566,053
Africa	15,895	18,725	20,955	24,471	28,074	30,999	33,518
Algeria	1,075	1,270	1,103	1,583	1,641	2,224	2,388
Angola	238	266	288	319	469	515	505
Benin	73	87	83	104	149	180	232
Botswana	39	44	57	65	74	80	84
Burkina Faso	*63	*68	83	114	145	172	*200
Burundi	*52	*53	55	*56	*58	62	67
Cabo Verde	*3	*4	*6	8	9	*9	*9
Cameroon	203	237	266	306	293	384	423
Central African Rep.	31	31	*29	*32	36	36	*38
Chad	48	54	62	71	82	96	102
Comoros	*3	*3	*4	5	*6	*6	*9
Congo	36	40	29	45	70	117	136
Côte d'Ivoire	204	245	278	418	347	412	460
Dem. Rep. of the Congo	495	539	584	698	832	1,210	1,308
Djibouti	*6	*7	8	*9	11	10	10
Egypt	1,222	1,551	2,231	2,683	3,182	3,391	3,702
Equatorial Guinea	5	5	11	65	77	109	88
Eritrea	..	42	30	32	31	35	39
Eswatini	*28	*29	35	36	41	46	*46
Ethiopia	..	945	1,055	1,172	1,293	1,459	1,625
Ethiopia, incl. Eritrea	543	..	..	..	..	..	..
Gabon	49	56	61	72	93	111	108
Gambia	7	8	9	10	12	15	*17
Ghana	187	*249	265	241	287	387	490
Guinea	105	126	128	135	147	152	185
Guinea-Bissau	20	21	23	25	27	30	32
Kenya	439	518	*627	*686	*793	953	*1,032
Lesotho	*36	*41	*48	47	52	*46	*42
Liberia	38	31	49	62	75	81	99
Libya	468	653	695	815	869	763	679
Madagascar	100	125	*155	*169	*200	*277	*381
Malawi	64	65	65	70	76	81	91
Mali	*61	*71	*86	120	*153	*195	*245
Mauritania	*23	*26	29	36	46	*61	81
Mauritius	33	41	49	57	63	67	57
Mayotte	*1	*2	*2	*3	4	..	..
Morocco	345	423	478	606	762	799	892
Mozambique	249	264	293	365	309	455	453
Namibia	..	38	39	54	63	78	77
Niger	60	70	81	*77	70	95	*114
Nigeria	2,780	3,052	3,642	4,401	5,325	6,023	6,639
Réunion	24	31	42	49	58	..	..
Rwanda	35	54	54	71	84	*98	*105
Sao Tome and Principe	*1	1	*2	*2	3	3	*3
Senegal	*81	*87	97	114	160	178	195
Seychelles	2	*3	4	5	6	7	*8
Sierra Leone	50	45	53	56	60	69	71
Somalia	69	77	90	107	126	138	159
South Africa	4,104	4,698	4,892	5,171	5,867	5,614	5,510
South Sudan	..	..	..	..	..	35	32
Sudan	..	..	..	..	..	503	520
Sudan (former)	451	506	556	654	711	..	..
Togo	55	71	89	99	130	131	151
Tunisia	199	232	296	342	427	457	450
Uganda	351	390	396	516	645	804	1,222
United Rep. of Tanzania	409	463	564	699	793	875	1,006

Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2015	2020
Zambia	222	244	263	301	340	408	468
Zimbabwe	405	421	438	414	397	458	435
Asia	93,705	123,558	140,279	181,863	233,106	268,066	294,918
Afghanistan	*39	*33	31	46	*141	169	197
Armenia	..	69	85	106	*106	135	152
Azerbaijan	..	536	485	573	486	605	643
Bahrain	202	257	337	348	513	577	667
Bangladesh	769	918	999	1,192	1,483	1,768	2,079
Bhutan	37	39	44	48	57	64	67
Brunei Darussalam	93	106	95	93	136	114	163
Cambodia	121	119	142	161	196	252	357
China	30,398	39,212	42,516	68,833	101,618	120,324	140,213
China, Hong Kong SAR	316	398	570	579	544	576	514
China, Macao SAR	15	18	24	29	32	43	36
Cyprus	58	71	90	94	103	86	89
Georgia	..	88	120	135	140	198	208
India	12,063	14,882	18,356	21,126	27,410	35,123	38,178
Indonesia	4,154	5,220	5,881	7,037	8,073	8,709	10,345
Iran (Islamic Rep. of)	2,819	3,887	5,386	7,216	8,579	10,024	11,074
Iraq	586	1,072	995	1,485	1,424	1,629	1,896
Israel	482	652	767	773	972	915	884
Japan	18,355	20,722	21,682	21,867	21,015	18,143	16,145
Jordan	140	174	207	291	308	369	347
Kazakhstan	..	2,173	1,554	2,356	3,363	3,180	2,759
Korea, Dem. Ppl's Rep.	1,391	921	826	896	622	332	626
Korea, Republic of	3,868	6,121	7,912	8,822	10,498	11,426	11,549
Kuwait	566	835	824	1,133	1,350	1,424	1,530
Kyrgyzstan	..	101	101	114	115	167	150
Lao People's Dem. Rep.	60	63	58	69	100	169	*246
Lebanon	*113	174	207	206	262	337	*311
Malaysia	757	1,708	1,959	2,745	2,965	3,425	3,881
Maldives	2	4	6	9	13	18	24
Mongolia	114	88	86	103	164	273	428
Myanmar	466	495	538	616	660	847	957
Nepal	239	299	349	388	446	502	634
Oman	153	236	319	445	825	1,100	1,127
Other Asia	1,965	2,612	3,510	4,231	4,624	4,666	4,460
Pakistan	1,834	2,182	2,437	2,964	3,092	3,314	3,685
Philippines	1,119	1,312	1,603	1,525	1,706	2,143	2,381
Qatar	194	547	576	728	1,165	1,546	1,753
Saudi Arabia	3,178	3,881	4,487	6,047	7,707	10,307	9,445
Singapore	658	645	761	926	883	1,217	1,135
Sri Lanka	187	225	296	324	339	409	408
State of Palestine	*20	*22	38	58	54	72	82
Syrian Arab Republic	476	585	729	741	911	424	368
Tajikistan	..	146	141	148	143	167	205
Thailand	1,775	2,620	3,046	4,035	4,907	5,668	5,243
Timor-Leste	..	..	..	4	5	7	9
Türkiye	2,211	2,578	3,182	3,529	4,442	5,390	6,131
Turkmenistan	..	574	625	754	951	988	1,062
United Arab Emirates	791	1,108	1,719	1,842	2,977	3,571	3,637
Uzbekistan	..	1,780	2,124	2,046	1,821	1,735	1,796
Viet Nam	791	908	1,262	1,756	2,334	3,238	4,512
Yemen	..	142	197	274	326	180	129
Yemen Arab Rep. (former)	*47	..	..	..	..	..	..
Yemen, Dem. (former)	*84	..	..	..	..	..	..
Europe	126,279	106,720	106,723	113,088	111,981	103,979	100,980
Albania	92	47	65	91	91	91	86

Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2015	2020
Andorra	*7	7	9	10	10	9	7
Austria	1,041	1,123	1,198	1,413	1,428	1,372	1,321
Belarus	..	1,038	1,029	1,121	1,152	1,067	1,052
Belgium	1,999	2,231	2,418	2,423	2,506	2,186	2,097
Bosnia and Herzegovina	..	62	179	206	269	250	298
Bulgaria	1,181	966	773	826	741	775	732
Croatia	..	325	349	407	390	350	346
Czechia	..	1,760	1,746	1,898	1,892	1,758	1,681
Czechoslovakia (former)	2,950	..	..	..	..	..	..
Denmark	726	809	780	791	813	677	645
Estonia	..	217	188	222	242	231	188
Faeroe Islands	10	*8	*10	*10	*9	*9	*11
Finland	1,186	1,208	1,353	1,440	1,528	1,351	1,322
France	9,345	9,886	10,500	11,374	10,969	10,524	9,110
German Dem. R. (former)	*3,688	..	..	..	..	..	..
Germany	..	14,083	14,081	14,156	13,791	12,932	11,646
Germany, Fed. R. (former)	11,425	..	..	..	..	..	..
Gibraltar	2	4	5	6	7	9	10
Greece	895	950	1,134	1,268	1,158	967	816
Guernsey	..	..	0	1	1	1	1
Hungary	1,200	1,083	1,046	1,174	1,109	1,053	1,099
Iceland	87	90	139	158	286	327	362
Ireland	417	448	580	618	608	561	555
Isle of Man	..	..	..	1	4	4	5
Italy	6,138	6,668	7,183	7,797	7,277	6,374	5,743
Jersey	*1	1	1	3	3	3	3
Kosovo	..	..	65	82	105	106	112
Latvia	..	193	161	190	189	179	180
Liechtenstein	1	2	2	3	3	3	3
Lithuania	..	363	295	364	292	292	310
Luxembourg	143	133	142	185	178	158	145
Malta	29	30	29	37	35	27	29
Montenegro	..	..	..	42	48	42	44
Netherlands	2,771	3,042	3,106	3,316	3,443	2,997	2,884
North Macedonia	..	104	113	119	121	116	117
Norway	879	981	1,092	1,215	1,365	1,237	1,139
Poland	4,393	4,249	3,784	3,891	4,256	4,004	4,285
Portugal	703	846	1,031	1,109	983	918	848
Republic of Moldova	..	186	66	89	91	109	115
Romania	2,621	1,925	1,532	1,626	1,474	1,341	1,355
Russian Federation	..	26,720	25,994	27,338	28,932	28,943	31,453
Serbia	..	..	..	669	648	612	657
Serbia and Montenegro	..	522	556	..	..	..	..
Slovakia	..	742	740	777	736	675	683
Slovenia	..	254	274	315	307	276	270
Spain	3,762	4,211	5,073	5,914	5,334	4,909	4,528
Sweden	1,965	2,086	1,968	2,123	2,099	1,834	1,827
Switzerland	1,018	1,004	1,042	1,080	1,086	1,013	971
Ukraine	..	7,073	5,574	5,872	5,491	3,753	3,447
United Kingdom	8,612	9,037	9,317	9,318	8,481	7,556	6,440
USSR (former)	55,194	..	..	..	..	..	..
Yugoslavia, SFR (former)	1,797	..	..	..	..	..	..
Latin America & Carib.	19,658	22,245	25,520	29,380	33,191	35,511	32,408
Anguilla	*1	*1	*1	*2	*2	2	2
Antigua and Barbuda	*4	*4	*5	*7	*8	*8	*9
Argentina	1,928	2,194	2,564	2,919	3,295	3,423	3,088
Aruba	*7	*10	*54	58	*56	*13	*13
Bahamas	*28	*26	*28	*28	*32	*32	31
Barbados	19	19	24	24	26	22	17

Table 1

Total Energy Supply

Petajoules

Country or area	1990	1995	2000	2005	2010	2015	2020
Belize	8	10	11	11	13	16	15
Bolivia (Plur. State of)	108	156	153	221	265	343	324
Bonaire, St Eustatius, Saba	..	..	..	..	..	*1	*2
Brazil	5,972	7,069	7,998	9,212	10,946	12,393	11,927
British Virgin Islands	*1	1	*2	*2	*3	*3	*2
Cayman Islands	4	*5	*7	7	8	8	9
Chile	593	780	1,082	1,187	1,286	1,511	1,584
Colombia	983	1,104	1,103	1,180	1,402	1,689	1,681
Costa Rica	68	110	137	177	203	207	207
Cuba	604	414	459	411	505	459	341
Curaçao	..	..	..	..	..	108	30
Dominica	*1	1	2	2	3	*3	*2
Dominican Republic	140	223	275	259	308	335	344
Ecuador	255	339	328	470	521	603	526
El Salvador	91	133	146	160	175	172	179
Falkland Is. (Malvinas)	1	*1	0	1	1	1	1
French Guiana	9	*9	8	10	*12	..	..
Grenada	2	2	3	3	4	4	4
Guadeloupe	18	*21	26	33	*32	..	..
Guatemala	195	252	307	361	388	480	558
Guyana	32	32	34	32	35	35	39
Haiti	101	107	128	138	159	176	177
Honduras	100	120	127	164	198	237	224
Jamaica	113	130	148	147	113	117	102
Martinique	21	*22	*23	30	29	..	..
Mexico	5,179	5,516	6,314	7,559	7,557	7,830	7,487
Montserrat	0	0	0	1	1	1	0
Neth. Antilles (former)	82	*95	83	84	69	..	..
Nicaragua	87	104	106	118	128	161	162
Panama	60	71	105	122	144	171	174
Paraguay	*96	131	175	198	258	281	292
Peru	421	464	514	565	808	904	882
Puerto Rico	*1	0	13	24	28	56	50
Sint Maarten (Dutch part)	..	..	..	..	..	*12	*10
St. Kitts-Nevis	*2	*2	*3	*3	3	*3	*3
St. Lucia	*4	*5	6	7	8	8	*8
St. Vincent-Grenadines	*1	*2	2	*3	3	4	4
Suriname	29	34	36	26	40	43	45
Trinidad and Tobago	251	251	420	676	833	797	615
Turks and Caicos Islands	*1	*1	*2	*3	*4	*5	*5
Uruguay	96	107	119	126	173	213	219
Venezuela (Bolivar. Rep.)	1,944	2,167	2,439	2,609	3,105	2,622	1,012
Northern America	89,133	96,445	105,882	108,664	103,770	103,158	97,441
Bermuda	*7	*8	*8	*9	*9	8	7
Canada	8,838	9,783	10,609	11,374	10,837	11,619	11,908
Greenland	6	6	7	9	11	9	9
St. Pierre-Miquelon	1	1	*1	*1	*1	*1	*1
United States	80,280	86,647	95,258	97,271	92,913	91,520	85,517
Oceania	4,423	4,793	5,512	5,773	6,496	6,614	6,787
American Samoa	*7	*6	*6	*7	*7	*4	*4
Australia	3,694	3,962	4,567	4,790	5,396	5,330	5,514
Cook Islands	*1	*1	*1	1	*1	*1	*1
Fiji	23	*23	21	24	20	25	*21
French Polynesia	*7	7	9	12	14	13	13
Kiribati	*1	*1	1	1	1	1	*2
Marshall Islands	..	*1	*2	*2	*2	*2	*2
Micronesia (Fed. States of)	..	3	*3	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	2020
New Caledonia	21	27	30	37	46	61	63
New Zealand	565	650	747	744	838	964	935
Northern Mariana Islands	..	*6	*7	*7	*7	*8	*5
Pacific Islands (former)	*3	..	..	..	..	..	..
Palau	..	*3	*3	*3	3	*3	*3
Papua New Guinea	88	89	99	126	141	181	200
Samoa	*3	*4	4	4	4	5	*5
Solomon Islands	*5	*6	*6	*7	*8	8	*8
Tonga	1	1	1	*2	2	2	3
Vanuatu	1	*1	*2	2	3	3	4

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

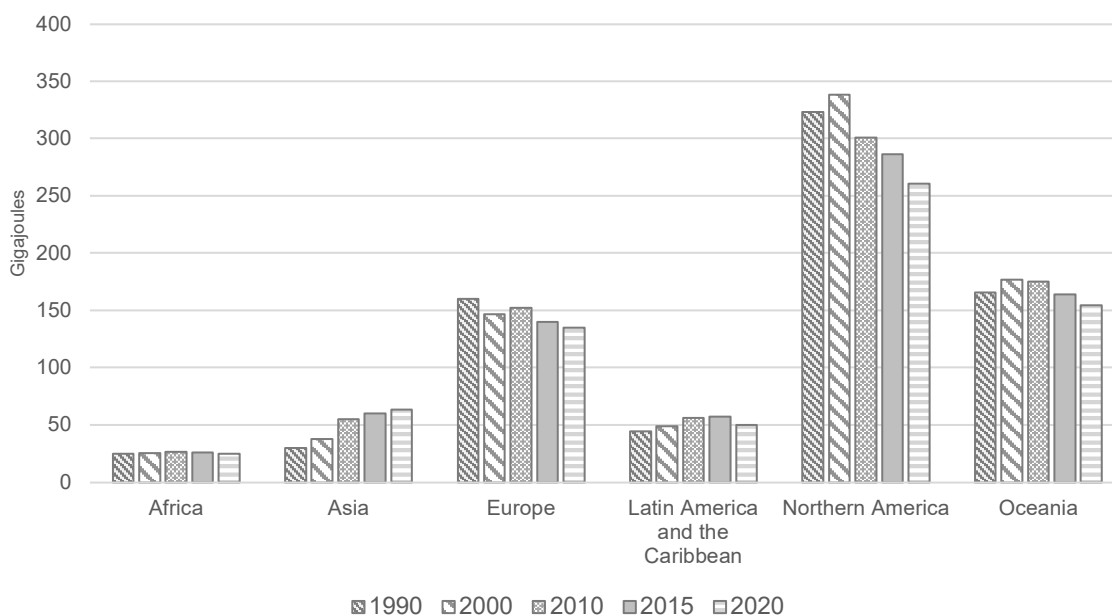


Figure 5: Production of solids by region, 2020

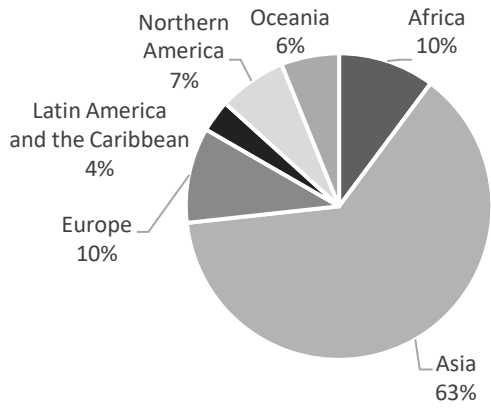


Figure 6: Production of liquids by region, 2020

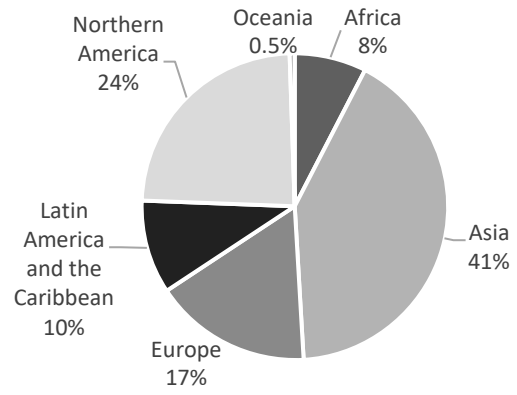


Figure 7: Production of gases by region, 2020

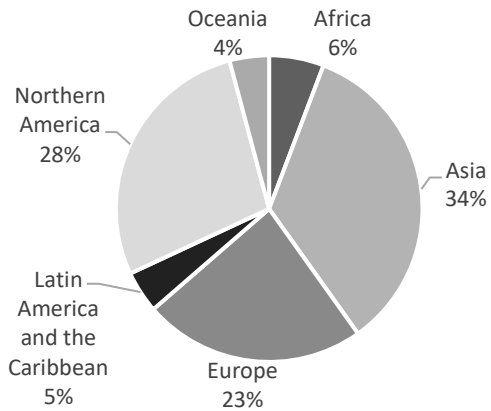


Figure 8: Primary electricity production by region, 2020

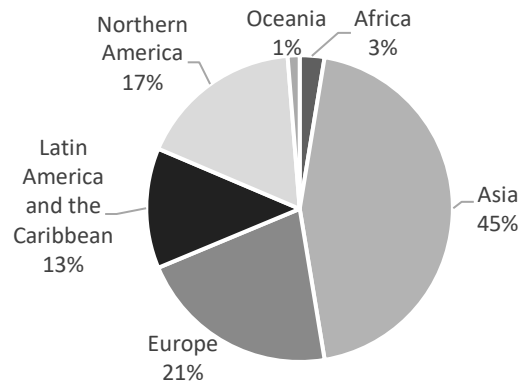


Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Country or area	Year	Primary energy production					
		Total	Solids	Liquids	Gases	Electricity	Heat
World	2017	581,479	204,107	190,299	134,593	20,196	32,285
	2018	600,772	212,557	193,945	139,346	21,669	33,255
	2019	612,730	215,481	193,637	146,553	22,863	34,196
	2020	586,995	207,208	179,577	142,844	24,323	33,043
Africa	2017	45,940	20,429	16,433	8,207	507	365
	2018	46,682	20,894	16,690	8,203	554	342
	2019	47,790	21,054	17,111	8,662	588	374
	2020	43,879	21,033	13,606	8,279	627	333
Algeria	2017	6,285	0	2,877	3,406	*2	..
	2018	6,254	1	2,816	3,434	*3	..
	2019	5,954	0	2,777	3,173	*3	..
	2020	5,506	0	2,483	3,020	3	..
Angola	2017	3,876	264	3,386	198	28	..
	2018	3,581	268	3,066	212	35	..
	2019	3,423	272	2,880	233	39	..
	2020	3,253	275	2,677	*258	43	..
Benin	2017	110	110	..	..	0	..
	2018	113	113	..	..	0	..
	2019	121	121	..	..	0	..
	2020	124	124	..	..	0	..
Botswana	2017	59	59	..	..	0	0
	2018	65	65	..	..	0	0
	2019	56	56	..	..	0	0
	2020	51	51	..	..	0	0
Burkina Faso	2017	129	129	..	0	0	..
	2018	131	130	..	0	1	..
	2019	133	132	..	0	1	..
	2020	*133	*133	..	0	1	..
Burundi	2017	56	56	..	..	0	..
	2018	56	55	..	..	1	..
	2019	56	55	..	..	1	..
	2020	56	55	..	..	1	..
Cabo Verde	2017	*2	*1	..	..	0	..
	2018	*2	*1	..	..	0	..
	2019	*2	*1	..	..	0	..
	2020	*2	*1	..	..	0	..
Cameroon	2017	477	276	163	21	18	..
	2018	504	283	148	55	18	..
	2019	544	290	154	81	19	..
	2020	556	298	157	81	20	..
Central African Rep.	2017	*34	*33	..	..	1	..
	2018	*34	*34	..	..	1	..
	2019	*34	*34	..	..	1	..
	2020	*35	*34	..	..	*1	..
Chad	2017	317	73	244	..	0	..
	2018	347	74	273	..	0	..
	2019	360	75	285	..	0	..
	2020	372	76	296	..	0	..
Comoros	2017	4	4	..	..	..	..
	2018	4	4	..	..	..	..
	2019	*4	*4	..	..	..	..
	2020	*4	*4	..	..	..	..
Congo	2017	684	67	591	22	4	..
	2018	813	68	717	25	4	..
	2019	835	69	729	34	3	..
	2020	776	70	667	36	3	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
240,229	243,436	8,153	9,018	-3,278	564,380	74
243,444	247,993	8,501	8,721	631	578,370	75
242,415	246,992	8,668	8,545	4,941	585,999	75
224,480	230,448	4,364	8,153	2,458	566,053	72
7,662	20,743	371	147	-71	32,412	26
7,801	21,131	371	220	28	32,733	25
7,976	20,653	374	208	150	34,381	26
7,406	17,292	209	221	44	33,518	25
169	4,129	*16	10	12	2,288	56
60	3,846	*19	9	12	2,429	58
102	3,524	21	1	1	2,509	59
53	3,150	9	4	8	2,388	55
152	3,486	13	16	*7	505	17
148	3,182	13	10	*-3	527	17
139	2,939	13	11	*79	520	16
70	2,823	3	7	-16	505	15
97	..	1	0	-2	207	18
109	..	1	..	3	219	18
101	0	1	0	0	220	18
108	0	1	0	0	232	18
46	5	0	..	..	99	41
47	7	1	..	..	104	42
49	7	1	..	..	98	39
45	12	0	..	..	84	33
53	0	1	..	*-4	185	9
68	0	1	..	*4	193	9
62	0	1	..	*-6	199	10
66	0	1	..	*-2	*200	*9
*8	..	0	..	0	64	6
*10	..	0	..	0	66	6
*10	..	0	..	0	66	6
11	..	0	..	..	67	6
*13	..	*2	*3	..	*9	*16
*13	..	*2	*3	0	*9	*16
*13	..	*2	*3	..	*10	*17
*12	..	*2	*3	..	*9	*15
82	164	1	0	..	395	16
64	165	1	..	..	402	16
71	203	1	..	..	411	16
73	206	0	..	..	423	16
*4	..	1	..	..	*37	*7
*4	..	1	..	..	*37	*7
*4	..	*1	..	..	*38	*7
*4	..	*1	..	..	*38	*7
0	218	1	..	0	98	6
0	247	1	..	..	100	6
0	258	1	..	..	101	6
0	269	*1	..	..	102	6
*4	..	0	..	..	*8	*10
*4	..	0	..	..	*8	*10
*5	..	0	..	..	*8	*10
*5	..	0	..	..	*9	*11
9	570	1	..	0	122	23
9	694	1	..	1	126	23
9	699	1	..	8	136	24
7	638	1	..	8	136	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	2017	436	264	85	79	7	..
	2018	415	262	71	72	11	..
	2019	435	268	77	78	13	..
	2020	432	278	62	80	12	..
Dem. Rep. of the Congo	2017	1,264	1,180	51	0	34	..
	2018	1,292	1,195	56	0	40	..
	2019	1,300	1,210	49	..	40	..
	2020	1,316	1,226	47	..	43	..
Djibouti	2017	4	4	..	..	0	..
	2018	4	4	..	..	0	..
	2019	4	4	..	..	0	..
	2020	4	4	..	..	0	..
Egypt	2017	3,357	164	1,341	1,795	56	..
	2018	3,302	166	1,362	1,718	56	..
	2019	3,942	167	1,331	2,379	66	..
	2020	3,656	176	1,258	2,133	84	5
Equatorial Guinea	2017	716	4	421	289	2	..
	2018	648	4	371	272	2	..
	2019	571	4	347	219	*2	..
	2020	552	4	340	206	*2	..
Eritrea	2017	30	30	..	..	0	..
	2018	30	30	..	..	0	..
	2019	30	30	..	..	0	..
	2020	31	31	..	..	0	..
Eswatini	2017	30	29	..	..	0	..
	2018	29	28	..	..	1	..
	2019	31	30	..	..	1	..
	2020	*30	*29	..	..	1	..
Ethiopia	2017	1,373	1,328	0	..	44	..
	2018	1,394	1,346	0	..	48	..
	2019	1,417	1,365	0	..	52	..
	2020	1,441	1,385	0	..	56	..
Gabon	2017	518	*54	444	17	3	..
	2018	476	*55	401	16	4	..
	2019	536	*55	460	17	4	..
	2020	516	*56	439	18	4	..
Gambia	2017	7	7	..	..	0	..
	2018	7	7	..	..	0	..
	2019	7	7	..	..	0	..
	2020	7	7	..	..	0	..
Ghana	2017	573	162	360	32	20	..
	2018	615	177	379	37	22	..
	2019	686	173	435	53	26	..
	2020	704	179	408	90	26	..
Guinea	2017	117	113	..	..	4	..
	2018	118	113	..	..	4	..
	2019	118	114	..	..	5	..
	2020	119	114	..	..	5	..
Guinea-Bissau	2017	26	26	..	..	0	..
	2018	26	26	..	..	0	..
	2019	26	26	..	..	0	..
	2020	27	27	..	..	0	..
Kenya	2017	738	556	..	0	10	171
	2018	*754	*553	..	0	16	185
	2019	*772	*566	..	0	17	188
	2020	*777	*575	..	0	20	182

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
160	130	*7	3	-1	456	18
160	131	7	3	..	434	17
172	152	8	4	..	444	17
162	128	3	4	-1	460	17
41	51	5	..	..	1,249	15
44	57	6	..	..	1,274	15
44	50	5	..	..	1,288	14
45	48	5	..	..	1,308	14
11	0	*4	*1	0	10	10
12	0	*4	*1	0	11	10
*13	0	*4	*2	0	*11	*10
11	0	*3	*1	0	10	9
1,237	557	20	8	2	4,008	39
1,147	628	28	4	-1	3,791	37
796	659	35	3	..	4,040	38
933	850	23	13	..	3,702	34
*13	596	2	..	-4	135	93
*12	558	2	..	1	100	67
*13	506	2	..	0	76	49
*10	475	1	..	-2	88	55
8	..	0	0	0	37	11
9	..	1	1	0	38	11
9	..	0	1	..	39	11
9	..	0	1	..	39	11
17	5	0	..	..	42	36
18	3	0	..	..	44	38
*19	3	0	..	..	46	40
*18	*3	0	..	..	*46	*39
191	5	30	..	-4	1,533	14
201	4	32	..	-1	1,560	14
210	4	32	..	..	1,592	14
209	6	19	..	..	1,625	14
14	407	2	6	13	104	49
16	377	2	6	4	103	47
16	445	2	7	-2	101	45
13	427	1	7	-13	108	47
9	0	*1	..	..	15	6
10	0	*1	..	..	16	7
*11	0	*1	..	..	*17	*7
*10	0	*1	..	..	*17	*7
177	366	6	4	12	363	12
195	384	8	0	-8	425	14
213	447	9	0	0	444	14
227	422	5	0	13	490	15
49	0	*1	..	..	165	13
55	0	*1	..	7	164	13
66	0	*2	..	7	176	14
65	0	*1	..	-2	185	14
*5	0	*1	..	..	31	16
*5	0	*1	..	..	31	16
*6	0	*1	..	..	31	16
*5	0	*1	..	..	32	16
301	63	34	0	0	941	19
252	1	30	2	..	*973	*19
268	1	31	*1	..	*1,007	*20
273	1	17	0	..	*1,032	*20

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	2017	18	16	..	..	2	..
	2018	*17	*15	..	..	2	..
	2019	*16	*15	..	..	1	..
	2020	*16	*15	..	..	2	..
Liberia	2017	82	81	..	..	0	..
	2018	84	84	..	..	0	..
	2019	87	86	..	..	0	..
	2020	90	89	..	..	0	..
Libya	2017	2,414	25	1,900	489	0	..
	2018	2,883	25	2,383	475	0	..
	2019	3,189	25	2,679	485	0	..
	2020	1,334	25	864	445	0	..
Madagascar	2017	272	269	..	..	3	..
	2018	306	302	..	..	4	..
	2019	318	315	..	..	3	..
	2020	*331	*328	..	..	3	..
Malawi	2017	68	61	0	..	7	..
	2018	68	62	0	..	5	..
	2019	70	63	0	..	7	..
	2020	70	63	0	..	*7	..
Mali	2017	*159	*155	..	..	4	..
	2018	*161	*157	..	..	*5	..
	2019	*163	*158	..	..	5	..
	2020	*165	*160	..	..	6	..
Mauritania	2017	24	19	4	..	1	..
	2018	21	20	0	..	1	..
	2019	21	20	..	..	*1	..
	2020	22	21	..	..	1	..
Mauritius	2017	10	10	..	0	1	..
	2018	10	9	..	0	1	..
	2019	10	9	..	0	1	..
	2020	8	7	..	0	1	..
Morocco	2017	90	67	0	3	15	4
	2018	98	66	0	3	21	9
	2019	104	65	0	3	23	13
	2020	100	63	0	3	21	12
Mozambique	2017	849	625	0	173	51	..
	2018	968	745	0	173	50	..
	2019	835	609	0	171	54	..
	2020	746	522	0	167	57	..
Namibia	2017	22	15	..	..	6	0
	2018	22	17	..	..	5	0
	2019	25	20	..	..	5	0
	2020	29	22	..	..	7	0
Niger	2017	*98	*59	39	..	0	..
	2018	*106	*71	35	..	0	..
	2019	*113	*74	38	1	0	..
	2020	*115	*77	36	1	0	..
Nigeria	2017	10,297	4,784	3,942	1,542	28	..
	2018	10,502	4,865	4,046	1,563	28	..
	2019	10,818	4,948	4,260	1,579	31	..
	2020	9,932	5,033	3,283	1,589	28	..
Rwanda	2017	*87	*84	..	*2	1	..
	2018	*88	*85	..	*2	1	..
	2019	*88	*85	..	*2	1	..
	2020	*89	*85	..	*2	2	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply		
		Aviation	Marine		Total	Per capita	
*29	0	0	0	..	..	*47	*22
*28	0	0	0	..	..	*45	*20
*29	0	0	0	..	..	*45	*20
*26	0	0	0	..	..	*42	*19
12	0	0	0	0	..	93	19
5	0	0	0	0	..	89	18
13	0	0	0	0	..	100	20
9	0	0	0	0	..	99	19
248	1,922	2	9	..	..	728	114
242	2,398	2	11	..	..	714	110
281	2,528	2	12	..	..	929	141
295	946	1	4	..	..	679	102
53	..	2	0	-2	..	325	12
48	0	2	0	-4	..	356	13
59	0	2	0	2	..	374	14
*53	0	*1	0	*1	..	*381	*14
17	0	0	..	*2	..	83	5
20	0	0	..	*-2	..	88	5
20	0	0	..	0	..	89	5
23	0	0	..	*2	..	91	5
*65	*2	*3	..	0	..	*219	*11
*67	*2	*3	..	0	..	*223	*11
77	*2	3	..	0	..	*235	*11
85	*2	3	..	0	..	*245	*12
51	*4	1	..	*2	..	68	16
71	0	1	..	*16	..	74	17
76	..	1	..	*19	..	77	17
75	..	1	..	*15	..	81	18
108	..	7	19	22	..	69	54
104	..	7	24	15	..	68	52
110	3	6	27	14	..	69	54
84	..	2	26	6	..	57	44
817	1	30	6	2	..	869	24
836	1	32	6	17	..	878	24
867	5	34	6	-19	..	944	26
803	2	12	6	-9	..	892	24
99	647	1	0	-152	..	452	16
101	595	1	0	14	..	458	16
99	471	1	0	-2	..	463	15
88	371	1	0	9	..	453	15
67	3	2	..	..	..	84	35
67	4	2	..	0	..	84	35
65	4	2	..	0	..	84	34
57	8	0	..	..	..	77	31
7	*16	*3	..	0	..	*87	*4
7	15	*2	..	*2	..	*94	*4
6	4	*2	..	6	..	*107	*5
7	6	*2	..	..	..	*114	*5
766	4,757	22	13	26	..	6,245	32
555	4,894	29	14	-99	..	6,220	31
947	5,123	20	14	0	..	6,608	33
941	4,147	15	11	62	..	6,639	32
15	0	*1	..	0	..	*101	*8
17	0	*1	..	0	..	*103	*8
25	0	*1	..	*7	..	*105	*8
17	0	*1	..	..	..	*105	*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	2017	1	1	..	..	0	..
	2018	1	1	..	..	0	..
	2019	1	1	..	..	0	..
	2020	1	1	..	..	0	..
Senegal	2017	69	67	..	1	0	1
	2018	69	68	..	0	0	1
	2019	75	73	..	1	*1	1
	2020	86	83	..	0	*2	0
Seychelles	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Sierra Leone	2017	55	54	..	..	1	..
	2018	55	54	..	..	1	..
	2019	56	55	..	..	1	..
	2020	56	55	..	..	1	..
Somalia	2017	139	139	..	..	0	..
	2018	143	143	..	..	0	..
	2019	147	147	..	..	0	..
	2020	151	151	..	..	0	..
South Africa	2017	6,484	6,241	4	23	33	183
	2018	6,507	6,288	4	35	39	141
	2019	6,601	6,354	3	40	38	165
	2020	6,313	6,106	2	39	40	127
South Sudan	2017	320	9	311	..	0	..
	2018	313	8	305	..	0	..
	2019	372	8	364	..	0	..
	2020	358	8	350	..	0	..
St. Helena and Depend.	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Sudan	2017	412	205	173	..	34	..
	2018	403	207	162	..	35	..
	2019	408	208	*164	..	37	..
	2020	405	208	*161	..	*36	..
Togo	2017	108	107	..	..	1	..
	2018	114	114	..	..	1	..
	2019	119	118	..	..	1	..
	2020	126	126	..	..	1	..
Tunisia	2017	239	45	96	90	2	6
	2018	232	46	92	86	2	7
	2019	213	46	78	79	3	7
	2020	207	46	72	81	3	6
Uganda	2017	809	797	..	..	13	..
	2018	849	836	..	..	13	..
	2019	892	878	..	..	15	..
	2020	979	964	..	..	*15	..
United Rep. of Tanzania	2017	814	778	..	27	9	..
	2018	827	792	..	26	*9	..
	2019	879	835	..	34	9	..
	2020	887	845	..	30	11	..
Zambia	2017	378	333	..	..	45	..
	2018	397	348	..	..	49	..
	2019	395	350	..	..	45	..
	2020	405	358	..	..	47	..

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	15
2	..	0	..	..	3	14
2	..	0	..	..	3	15
*2	..	0	..	..	*3	*14
137	11	10	5	*-6	186	12
159	*19	9	*6	*4	191	12
179	*29	8	8	-1	209	13
124	2	6	10	-3	195	12
18	0	*2	7	0	8	78
16	0	*1	*6	0	8	81
15	0	*2	*5	0	8	79
*16	0	2	*5	*1	*8	*80
16	..	0	..	0	70	9
15	..	0	..	0	70	9
17	..	0	..	*2	70	9
19	..	0	..	*4	71	9
*12	0	2	*1	..	148	10
*12	..	2	*1	..	152	10
*12	..	2	*1	..	156	10
*11	..	*2	*1	..	159	10
1,430	2,182	95	32	..	5,606	99
1,746	2,477	77	111	36	5,553	97
1,591	2,090	74	101	56	5,871	101
1,236	1,898	*40	117	-15	5,510	94
21	308	3	..	..	30	3
25	302	3	..	..	32	3
25	360	4	..	..	33	3
23	347	2	..	..	32	3
0	..	..	..	..	0	27
0	..	..	..	..	0	35
0	..	..	..	..	0	38
0	..	..	..	..	0	*45
138	42	*6	1	-3	503	12
184	44	*5	*1	-2	538	13
*216	48	*5	*1	..	*570	*13
128	9	*4	*1	..	520	12
23	0	2	1	-1	128	16
26	1	3	..	-1	138	17
27	0	2	0	0	143	17
27	..	2	..	0	151	18
340	84	11	0	-5	487	41
345	85	13	0	-5	484	41
348	73	13	0	1	473	39
327	77	4	0	3	450	37
76	1	4	..	..	880	22
202	1	5	..	..	1,046	25
204	1	5	..	..	1,091	25
246	1	2	..	0	1,222	28
103	..	6	1	..	911	16
109	..	6	0	..	930	16
115	..	5	0	..	988	16
122	..	3	0	..	1,006	16
61	4	1	..	-4	438	25
56	5	1	..	-1	448	25
69	4	1	..	0	458	25
61	5	1	..	*-7	468	25

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	
Zimbabwe	2017	402	387	1	..	14	..
	2018	423	403	2	..	18	..
	2019	377	361	2	..	15	..
	2020	377	362	2	..	14	..
Asia	2017	267,329	121,462	84,039	46,574	8,458	6,797
	2018	277,115	128,364	84,018	47,763	9,348	7,623
	2019	280,719	132,286	80,421	49,215	10,273	8,523
	2020	274,041	130,876	74,540	49,058	10,901	8,665
Afghanistan	2017	83	73	..	5	4	..
	2018	90	80	..	5	4	..
	2019	82	73	..	5	5	..
	2020	*71	*64	..	3	4	..
Armenia	2017	45	9	..	..	8	28
	2018	37	6	..	..	8	23
	2019	38	5	..	..	9	24
	2020	42	5	..	..	7	30
Azerbaijan	2017	2,308	4	1,658	639	7	..
	2018	2,349	5	1,663	675	7	..
	2019	2,475	5	1,602	862	6	..
	2020	2,412	5	1,472	931	4	..
Bahrain	2017	942	0	431	512	0	..
	2018	946	0	427	520	0	..
	2019	1,047	0	438	609	0	..
	2020	1,045	0	439	606	0	..
Bangladesh	2017	1,556	570	18	964	5	..
	2018	1,542	556	18	963	5	..
	2019	1,541	550	17	970	4	..
	2020	1,457	548	11	892	5	..
Bhutan	2017	79	52	..	..	28	..
	2018	78	53	..	..	25	..
	2019	85	53	..	..	32	..
	2020	91	50	..	..	41	..
Brunei Darussalam	2017	652	0	235	416	0	..
	2018	639	0	232	407	0	..
	2019	637	0	253	384	0	..
	2020	603	0	230	373	0	..
Cambodia	2017	152	142	..	..	10	..
	2018	163	145	..	..	18	..
	2019	164	148	..	..	16	..
	2020	161	146	..	..	16	..
China	2017	99,380	76,933	8,421	5,700	5,647	2,679
	2018	104,715	80,663	8,331	6,269	6,273	3,179
	2019	109,495	83,496	8,407	6,978	6,851	3,762
	2020	111,744	84,194	8,561	7,652	7,382	3,956
China, Hong Kong SAR	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
China, Macao SAR	2017	3	3	..	..	..	..
	2018	3	3	..	..	..	..
	2019	4	4	..	..	..	..
	2020	3	3	..	..	..	..
Cyprus	2017	6	1	0	1	1	3
	2018	6	1	..	1	2	3
	2019	7	1	..	1	2	3
	2020	7	1	..	1	2	3

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	5	2	..	16	440	30
67	6	3	..	19	462	31
63	8	2	..	-24	453	30
53	11	1	..	-17	435	28
118,198	98,543	3,434	4,477	-1,433	280,506	62
123,038	100,444	3,625	4,415	1,939	289,730	63
124,061	95,949	3,664	4,530	1,882	298,755	65
119,383	89,030	1,766	4,533	3,177	294,918	63
115	28	*3	..	-4	172	5
126	31	*2	..	*-2	184	5
136	22	0	..	*8	189	5
135	*9	*1	..	*-1	197	5
101	5	2	..	1	137	48
103	6	3	..	0	131	46
112	5	3	..	1	141	50
118	5	2	..	1	152	54
97	1,770	7	2	21	604	60
78	1,806	5	2	7	607	60
13	1,802	14	1	7	664	65
12	1,754	15	1	10	643	63
484	844	20	..	-16	579	397
485	835	21	..	-7	582	391
493	863	22	..	-16	672	449
396	786	13	..	-24	667	451
343	2	17	5	-18	1,894	12
336	0	18	5	-49	1,904	12
640	0	19	6	..	2,157	13
644	0	15	6	..	2,079	12
9	21	0	..	..	67	89
11	17	0	..	..	72	94
12	23	0	..	..	74	97
10	34	0	..	..	67	87
19	521	3	..	-5	153	355
16	488	4	..	8	156	359
98	553	5	..	7	171	389
347	776	2	0	10	163	370
142	..	5	..	..	289	18
154	..	7	..	..	310	19
194	..	7	..	..	351	22
198	..	2	..	..	357	22
28,463	3,211	409	412	-1,208	125,019	89
31,612	3,392	445	440	1,417	130,632	92
34,048	3,624	467	426	2,653	136,373	96
35,876	3,294	210	450	3,453	140,213	98
1,344	17	292	450	-2	587	79
1,363	11	302	455	6	589	79
1,291	12	273	404	17	585	78
999	6	149	297	32	514	68
46	..	..	3	1	46	72
39	..	..	3	0	40	61
38	..	..	2	0	40	61
33	..	..	0	0	36	54
113	0	13	11	1	94	78
113	..	14	11	-1	95	78
113	..	13	12	0	95	77
100	..	4	12	2	89	72

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
Georgia	2017	56	20	1	0	33	1
	2018	52	14	1	0	36	1
	2019	46	11	2	0	32	1
	2020	44	11	1	0	30	1
India	2017	22,877	18,903	1,746	1,132	682	414
	2018	23,978	19,889	1,665	1,154	861	408
	2019	24,030	19,899	*1,571	*1,062	996	502
	2020	23,600	19,641	*1,476	*975	*1,043	*465
Indonesia	2017	18,104	13,406	1,924	2,247	67	460
	2018	20,363	15,580	1,964	2,288	71	461
	2019	21,144	16,505	1,974	2,137	71	456
	2020	20,464	15,639	2,051	2,217	72	486
Iran (Islamic Rep. of)	2017	17,273	*126	9,369	7,641	56	81
	2018	17,171	*131	8,829	8,071	60	80
	2019	14,772	*126	6,281	8,241	61	63
	2020	13,893	*127	5,402	8,241	61	63
Iraq	2017	9,882	2	9,575	297	8	..
	2018	9,952	2	9,580	363	8	..
	2019	10,283	2	9,881	382	18	..
	2020	8,916	2	8,524	371	18	..
Israel	2017	323	5	3	293	6	16
	2018	333	5	3	303	6	15
	2019	343	6	4	304	10	21
	2020	495	6	6	447	13	23
Japan	2017	1,700	587	19	112	523	458
	2018	2,076	606	17	103	544	806
	2019	2,084	608	18	88	565	804
	2020	1,811	573	18	81	601	539
Jordan	2017	19	3	0	4	5	7
	2018	23	3	0	3	8	9
	2019	26	3	0	3	11	9
	2020	33	3	0	5	15	9
Kazakhstan	2017	7,471	2,094	3,671	1,663	42	..
	2018	7,338	2,040	3,847	1,410	40	..
	2019	6,984	1,883	3,853	1,206	42	..
	2020	6,650	1,857	3,647	1,102	44	..
Korea, Dem.Ppl's.Rep.	2017	646	603	..	..	43	..
	2018	558	511	..	..	46	..
	2019	606	566	..	..	40	..
	2020	582	535	..	..	46	..
Korea, Republic of	2017	2,026	288	58	20	45	1,615
	2018	1,862	267	67	18	56	1,455
	2019	1,989	244	70	17	68	1,589
	2020	2,169	243	75	15	92	1,744
Kuwait	2017	6,768	0	6,190	578	0	..
	2018	6,879	0	6,266	612	0	..
	2019	6,766	0	6,097	669	0	1
	2020	6,353	0	5,616	735	0	2
Kyrgyzstan	2017	88	28	7	1	51	..
	2018	97	36	8	1	52	..
	2019	100	40	10	1	50	..
	2020	102	41	10	1	50	..
Lao People's Dem. Rep.	2017	280	205	..	..	75	..
	2018	296	213	..	..	83	..
	2019	276	208	..	..	68	..
	2020	297	202	..	..	*95	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
165	11	4	..	-1	206	55
165	7	5	0	2	204	54
176	2	4	0	0	215	57
170	2	2	0	1	208	55
17,906	3,254	*167	64	-252	37,550	28
18,783	3,106	*182	*68	90	39,315	29
*19,411	3,005	*175	*70	-374	40,566	29
*16,916	2,618	*56	*60	-396	38,178	27
2,310	11,438	43	14	2	8,918	34
2,455	12,492	46	9	76	10,196	38
2,160	12,153	40	9	45	11,056	41
1,779	11,555	19	*15	309	10,345	38
367	6,509	*30	58	-1	11,043	131
361	5,956	35	58	0	11,482	134
255	3,630	37	58	0	11,303	131
231	2,979	14	58	0	11,074	127
305	8,048	28	12	15	2,084	53
421	8,115	25	12	27	2,194	54
546	8,464	27	12	-16	2,342	56
482	7,473	12	10	6	1,896	45
936	265	45	10	33	906	109
908	278	48	13	-25	927	110
936	290	49	14	12	914	106
793	363	18	16	6	884	101
17,703	771	293	169	-21	18,191	144
17,179	778	302	178	70	17,928	142
16,697	840	303	179	-22	17,481	139
14,966	493	116	197	-175	16,145	129
425	39	3	3	3	397	39
379	11	3	0	0	389	37
385	11	*4	1	1	394	37
337	11	*2	2	*8	347	32
336	4,306	*21	0	-53	3,533	193
457	4,697	27	1	30	3,040	164
653	4,609	20	7	-3	3,003	160
545	4,403	9	5	20	2,759	145
63	71	..	..	..	638	25
43	..	..	..	..	601	23
47	..	..	..	..	653	25
45	..	..	..	..	626	24
13,252	2,799	209	409	42	11,818	229
13,558	2,967	220	382	37	11,815	229
13,256	2,905	234	334	37	11,735	227
12,412	2,589	125	399	-81	11,549	223
192	5,426	40	39	-127	1,582	383
173	5,487	40	39	-130	1,615	374
178	5,274	41	38	-72	1,663	374
211	4,996	19	21	-1	1,530	351
96	16	1	..	5	162	26
117	24	0	..	-2	192	31
82	26	0	..	-3	159	25
80	25	0	..	8	150	23
49	92	2	..	-12	247	35
50	102	3	..	*-10	252	35
*54	*86	*2	..	*-4	246	34
*53	*109	*2	..	*-7	*246	*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
Lebanon	2017	*8	*5	..	..	2	*1
	2018	*8	*5	..	0	1	*1
	2019	10	5	..	0	4	1
	2020	10	5	..	0	4	*1
Malaysia	2017	3,832	111	1,435	2,190	97	..
	2018	3,957	106	1,439	2,315	97	..
	2019	4,090	108	1,334	2,548	99	..
	2020	3,837	118	1,235	2,380	103	..
Maldives	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Mongolia	2017	1,312	1,273	38	..	1	..
	2018	1,396	1,362	32	..	2	..
	2019	1,409	1,373	34	..	*2	..
	2020	1,169	1,147	21	..	2	..
Myanmar	2017	1,180	475	25	639	40	..
	2018	1,149	495	33	581	40	0
	2019	1,214	495	19	665	34	1
	2020	1,147	501	20	595	30	1
Nepal	2017	438	410	..	12	17	..
	2018	445	415	..	12	18	..
	2019	457	423	..	12	22	..
	2020	465	430	..	12	22	..
Oman	2017	3,242	0	2,028	1,214	0	..
	2018	3,446	0	2,074	1,371	0	..
	2019	3,407	0	2,019	1,387	0	..
	2020	3,341	0	1,980	1,360	0	..
Other Asia	2017	355	61	6	9	32	247
	2018	412	63	7	7	32	303
	2019	475	63	12	6	41	353
	2020	465	62	13	4	42	344
Pakistan	2017	2,333	*790	208	1,138	123	74
	2018	2,350	*798	210	1,126	110	106
	2019	2,366	*816	211	1,108	132	99
	2020	2,220	*886	182	893	136	124
Philippines	2017	1,199	608	41	138	43	370
	2018	1,223	609	42	154	42	376
	2019	1,274	655	42	155	37	385
	2020	1,229	633	34	140	35	387
Qatar	2017	9,290	0	3,086	6,204	..	..
	2018	9,297	0	3,126	6,170	..	..
	2019	9,363	0	3,118	6,245	..	..
	2020	9,216	0	3,004	6,213	..	..
Saudi Arabia	2017	28,103	..	23,572	4,530	0	0
	2018	28,569	..	23,861	4,706	0	2
	2019	27,418	..	22,732	4,682	2	2
	2020	25,618	..	20,838	4,776	*2	*2
Singapore	2017	28	27	..	..	1	..
	2018	26	25	..	..	1	..
	2019	27	25	..	..	1	..
	2020	26	24	..	..	2	..
Sri Lanka	2017	145	128	..	..	17	..
	2018	153	128	..	..	25	..
	2019	150	130	..	..	20	..
	2020	*151	*131	..	..	20	..

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
374	..	*12	*1	..	369	60
353	..	*12	1	..	348	58
353	..	*12	*1	..	350	61
*337	..	*11	*1	*25	*311	*55
2,042	2,264	110	16	9	3,474	109
2,346	2,329	107	17	45	3,806	117
2,262	2,356	116	18	*-39	3,901	119
2,304	2,226	28	16	*-9	3,881	117
25	..	*1	*2	..	22	46
28	..	*1	*3	..	25	51
31	..	*1	*3	..	28	55
26	..	0	*3	..	24	46
60	851	1	..	126	394	127
64	928	2	..	12	518	164
80	945	*2	..	*2	541	167
77	817	*1	..	0	428	130
167	*500	3	..	-2	845	16
279	448	3	0	-5	981	19
286	532	3	0	..	965	18
255	444	1	..	0	957	18
141	0	6	..	..	574	20
169	0	5	..	..	609	21
147	0	4	..	..	600	21
171	0	2	..	..	634	22
95	2,182	25	*1	0	1,130	249
79	2,361	18	*2	0	1,143	248
94	2,454	27	*4	0	1,015	221
80	2,279	7	*8	..	1,127	248
5,229	717	125	49	0	4,693	198
5,140	769	128	47	-28	4,635	195
5,097	811	133	53	19	4,558	192
4,732	537	82	48	69	4,460	187
1,704	33	*11	2	*-3	3,994	18
1,531	37	*9	2	0	3,834	17
1,522	27	*11	1	..	3,849	17
1,475	31	11	1	-33	3,685	16
1,487	224	71	4	-35	2,422	23
1,618	207	73	4	60	2,498	23
1,572	286	72	2	-36	2,520	23
1,412	242	25	4	-11	2,381	21
5	7,473	145	..	-15	1,691	624
10	7,476	191	..	13	1,627	588
11	7,448	203	..	0	1,723	614
10	7,304	136	..	33	1,753	635
1,246	18,740	135	134	-186	10,525	308
1,990	19,719	152	142	*-210	10,756	307
*745	17,507	122	*136	*-329	10,728	299
776	16,742	158	*111	-62	9,445	262
7,796	4,239	*332	2,051	46	1,155	200
7,245	3,830	*359	2,018	-31	1,095	188
6,732	3,645	*348	1,928	-8	846	144
6,246	3,018	86	2,025	7	1,135	192
308	0	24	25	-33	437	20
304	4	22	26	-3	408	19
315	2	21	26	1	417	19
282	7	8	15	-5	408	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	
State of Palestine	2017	8	3	..	..	0	6
	2018	8	2	..	..	0	6
	2019	10	3	..	..	0	6
	2020	9	3	..	..	1	6
Syrian Arab Republic	2017	173	0	44	126	3	..
	2018	169	0	42	125	3	..
	2019	186	0	64	120	3	..
	2020	191	0	83	105	3	..
Tajikistan	2017	*146	*83	1	0	62	..
	2018	*153	*86	1	0	66	..
	2019	157	88	1	0	69	..
	2020	155	88	1	0	65	..
Thailand	2017	3,107	1,158	883	1,027	38	0
	2018	3,023	1,097	867	1,009	50	0
	2019	3,119	1,136	864	1,064	55	0
	2020	2,598	623	806	1,125	43	0
Timor-Leste	2017	225	1	39	185	0	..
	2018	215	1	26	188	0	..
	2019	206	1	40	165	0	..
	2020	197	1	26	170	0	..
Türkiye	2017	1,527	761	117	30	284	334
	2018	1,670	801	132	35	316	386
	2019	1,891	841	139	41	431	439
	2020	1,826	754	142	43	410	478
Turkmenistan	2017	3,223	0	477	2,745	0	..
	2018	3,331	0	452	2,879	0	..
	2019	3,399	0	442	2,956	0	..
	2020	3,255	0	435	2,820	0	..
United Arab Emirates	2017	9,789	..	7,885	1,899	2	3
	2018	9,626	..	7,935	1,685	4	3
	2019	10,030	..	8,080	1,935	13	2
	2020	9,465	..	7,510	1,934	19	3
Uzbekistan	2017	2,141	61	126	1,926	29	..
	2018	2,105	63	132	1,889	21	..
	2019	2,079	61	137	1,858	23	..
	2020	1,730	63	126	1,523	18	..
Viet Nam	2017	2,680	1,444	588	327	321	..
	2018	2,663	1,492	527	339	305	..
	2019	2,778	1,619	488	346	325	..
	2020	2,509	1,504	393	310	302	0
Yemen	2017	128	5	112	11	1	..
	2018	174	5	163	4	2	..
	2019	179	5	168	4	2	..
	2020	164	6	152	5	2	..
Europe	2017	104,680	21,672	31,059	34,562	4,279	13,109
	2018	106,925	23,063	31,288	34,806	4,599	13,169
	2019	107,326	22,418	31,346	35,682	4,706	13,174
	2020	101,441	20,771	29,845	33,484	5,175	12,166
Albania	2017	68	8	41	3	16	1
	2018	81	9	39	3	31	1
	2019	71	7	43	2	19	1
	2020	63	9	32	2	19	1
Andorra	2017	1	0	..	..	0	..
	2018	1	0	..	..	0	..
	2019	*1	0	..	..	0	..
	2020	1	0	..	..	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
68	0	..	..	..	76	16
65	0	..	..	0	74	15
71	0	..	..	..	80	16
72	0	..	..	..	82	16
267	30	0	11	..	398	21
348	37	1	11	..	469	24
265	32	0	12	..	408	20
217	29	0	11	..	368	18
36	5	1	..	..	175	20
47	11	1	..	..	187	20
54	12	2	..	..	198	21
59	8	1	..	..	205	21
3,476	591	201	47	-6	5,751	81
3,675	630	211	56	165	5,636	79
3,456	502	217	47	34	5,776	81
3,436	538	75	42	137	5,243	73
8	225	0	..	..	9	7
8	214	0	..	..	8	7
9	205	0	..	..	10	8
9	196	0	..	..	9	7
5,206	326	152	35	79	6,140	75
4,842	250	163	38	31	6,030	73
4,840	403	189	37	-15	6,118	73
4,757	361	81	22	-12	6,131	73
0	2,215	15	..	..	992	166
0	2,322	16	..	..	993	164
0	2,358	13	..	..	1,028	167
0	2,186	7	..	..	1,062	170
1,620	7,499	326	425	74	3,085	340
1,710	7,368	301	358	60	3,248	355
1,912	7,442	316	677	*-2	3,509	381
2,209	7,229	196	666	-54	3,637	392
145	428	*3	..	15	1,840	58
89	466	*4	..	36	1,688	52
83	384	*6	..	-44	1,817	55
141	106	*5	..	-36	1,796	54
1,220	448	76	9	92	3,275	35
1,546	335	92	12	*252	3,519	37
2,031	305	86	7	22	4,388	46
2,347	354	38	6	-53	4,512	47
89	89	0	4	..	124	4
70	93	0	4	..	147	5
66	97	0	4	..	144	5
65	97	0	4	..	129	4
70,234	62,382	2,530	2,771	227	107,004	143
68,756	61,447	2,627	2,598	-264	109,273	146
68,623	63,245	2,665	2,180	1,771	106,089	142
60,642	58,300	1,225	2,181	-604	100,980	135
63	28	0	2	6	96	33
54	38	0	1	5	91	32
64	37	1	1	5	91	32
63	33	1	1	5	86	30
8	0	0	..	..	9	121
9	0	0	..	..	9	125
9	0	0	..	..	9	121
7	0	0	..	..	7	96

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
Austria	2017	516	238	46	57	166	9
	2018	489	228	44	45	162	9
	2019	504	230	44	41	180	9
	2020	501	237	37	35	183	9
Belarus	2017	167	84	75	6	2	..
	2018	174	91	76	6	2	..
	2019	183	99	77	6	3	..
	2020	187	96	78	7	3	4
Belgium	2017	627	95	18	9	36	468
	2018	485	96	17	10	42	320
	2019	656	96	18	10	51	481
	2020	571	95	18	10	65	383
Bosnia and Herzegovina	2017	194	180	..	0	14	..
	2018	237	214	..	0	24	..
	2019	226	203	..	0	23	..
	2020	219	202	..	0	18	..
Bulgaria	2017	492	288	5	5	21	173
	2018	506	289	6	3	28	179
	2019	492	277	7	3	20	184
	2020	453	238	5	4	21	185
Croatia	2017	176	65	32	54	24	1
	2018	175	63	32	46	33	1
	2019	164	63	31	39	27	4
	2020	157	65	27	33	27	4
Czechia	2017	1,157	782	17	33	17	308
	2018	1,154	762	17	33	17	325
	2019	1,119	722	18	32	18	329
	2020	987	594	16	32	18	327
Denmark	2017	645	104	290	193	56	2
	2018	571	102	244	168	54	3
	2019	511	98	216	132	62	3
	2020	385	96	151	71	63	3
Estonia	2017	242	239	..	1	3	..
	2018	277	273	..	1	2	..
	2019	226	223	..	1	3	..
	2020	183	179	..	1	4	..
Faeroe Islands	2017	1	..	..	..	1	..
	2018	1	..	..	..	1	..
	2019	1	..	..	..	1	..
	2020	1	..	..	..	1	..
Finland	2017	753	416	12	7	71	248
	2018	812	473	11	8	69	251
	2019	796	446	13	8	67	262
	2020	761	399	12	7	87	256
France	2017	5,361	559	135	34	305	4,327
	2018	5,604	557	146	37	378	4,486
	2019	5,454	560	140	41	376	4,336
	2020	4,976	533	129	48	417	3,850
Germany	2017	4,795	2,474	287	576	595	863
	2018	4,686	2,400	289	516	616	865
	2019	4,355	2,032	283	501	684	855
	2020	4,034	1,820	263	493	717	742
Gibraltar	2017	0	..	..	..	0	..
	2018	0	..	..	..	0	..
	2019	0	..	..	..	0	..
	2020	0	..	..	..	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
1,349	414	31	1	3	1,416	161
1,334	415	35	1	-6	1,378	156
1,379	336	41	1	107	1,399	158
1,372	583	13	1	-44	1,321	148
1,547	641	6	..	-1	1,067	110
1,585	609	6	..	10	1,134	117
1,558	632	8	..	15	1,087	112
1,379	497	5	..	12	1,052	109
3,501	1,491	68	317	-53	2,305	202
3,681	1,459	72	392	21	2,222	194
3,687	1,601	73	347	36	2,286	199
3,198	1,326	50	267	29	2,097	181
146	51	0	..	7	282	82
142	67	0	..	0	312	92
132	49	0	..	6	303	90
122	46	0	..	-3	298	90
558	246	10	3	9	781	109
486	196	11	3	0	781	110
525	225	10	3	8	771	109
440	157	6	4	-5	732	105
344	146	6	0	3	364	87
337	145	8	1	3	354	85
338	130	8	1	2	361	87
321	133	2	1	-6	346	85
999	316	15	..	8	1,817	173
962	288	17	..	-2	1,813	172
1,006	269	18	..	52	1,787	170
888	229	5	..	-41	1,681	160
673	586	41	22	-30	698	122
680	497	43	25	-17	702	122
755	462	44	31	61	668	115
771	453	14	23	20	645	111
108	96	3	13	0	239	182
118	115	3	12	2	263	199
117	105	3	8	10	217	163
140	117	1	13	4	188	141
*11	..	0	2	..	*10	*206
*12	..	0	2	..	*11	*208
*12	..	0	2	..	*11	*208
*13	..	0	2	..	*11	*210
1,033	398	29	15	-47	1,392	253
1,053	391	33	14	11	1,415	257
1,038	428	36	14	-30	1,386	251
975	403	12	13	-14	1,322	239
6,615	1,346	245	73	-8	10,320	155
6,435	1,395	254	82	54	10,254	154
6,499	1,444	267	72	60	10,110	151
5,359	1,159	113	41	-87	9,110	136
11,237	2,548	411	96	-36	13,012	157
9,804	1,407	424	71	-76	12,664	153
10,063	1,364	420	57	161	12,416	149
8,994	1,360	196	56	-231	11,646	140
184	..	0	174	..	10	306
181	..	0	170	..	11	324
187	..	0	174	2	11	343
187	..	0	177	0	10	321

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
Greece	2017	301	225	11	5	49	12
	2018	301	213	14	5	57	12
	2019	252	163	14	6	57	12
	2020	191	100	11	6	62	13
Guernsey	2017	..	..	..	..	..	..
	2018	0	..	..	..	0	..
	2019	0	..	..	..	0	..
	2020	0	..	..	..	0	..
Hungary	2017	473	160	61	63	5	183
	2018	465	150	65	65	5	179
	2019	458	135	68	59	9	186
	2020	449	133	62	59	12	183
Iceland	2017	308	..	..	0	51	258
	2018	345	..	..	0	50	295
	2019	343	..	..	0	48	294
	2020	335	..	..	0	47	288
Ireland	2017	203	50	1	122	29	1
	2018	209	56	1	117	34	1
	2019	171	38	1	92	39	1
	2020	146	27	2	71	45	1
Isle of Man	2017	0	0	..	..	0	..
	2018	*1	*1	..	..	0	..
	2019	*1	*1	..	..	0	..
	2020	*1	*1	..	..	0	..
Italy	2017	1,421	411	220	269	282	239
	2018	1,452	379	250	266	321	236
	2019	1,437	390	238	249	325	235
	2020	1,469	383	302	222	329	234
Jersey	2017	*1	*1	..	..	..	..
	2018	*1	*1	..	..	..	..
	2019	*1	*1	..	..	..	..
	2020	*1	*1	..	..	..	..
Kosovo	2017	75	74	..	..	1	0
	2018	76	75	..	..	1	0
	2019	77	76	..	..	1	0
	2020	80	78	..	..	1	0
Latvia	2017	108	86	2	4	16	..
	2018	119	103	3	4	9	..
	2019	118	104	3	3	8	0
	2020	113	97	3	3	10	0
Liechtenstein	2017	*1	*1	..	0	0	0
	2018	*1	*1	..	0	0	0
	2019	*1	*1	..	0	0	0
	2020	*1	*1	..	0	0	0
Lithuania	2017	85	58	7	1	7	12
	2018	83	56	8	2	6	11
	2019	83	55	8	2	7	11
	2020	82	57	8	2	7	8
Luxembourg	2017	8	5	..	1	2	0
	2018	9	6	..	1	2	0
	2019	10	7	..	1	2	0
	2020	13	10	..	1	2	0
Malta	2017	1	..	0	0	1	0
	2018	1	..	..	0	1	0
	2019	1	..	..	0	1	0
	2020	1	..	..	0	1	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
1,608	823	42	90	-4	958	90
1,632	869	47	92	-4	929	87
1,593	791	49	106	-16	915	87
1,558	814	15	69	35	816	78
1	..	..	..	..	1	17
1	..	..	..	..	1	19
1	..	..	..	..	1	12
1	..	..	..	..	1	20
1,014	313	10	..	50	1,114	114
1,032	381	12	..	-13	1,117	114
1,223	442	12	..	113	1,114	114
949	327	4	..	-32	1,099	113
46	..	16	3	0	336	977
53	..	18	3	3	374	1,060
43	..	13	3	-2	372	1,031
31	..	4	1	-1	362	988
500	85	43	6	-2	571	120
504	77	46	7	3	579	120
505	69	46	6	-20	575	117
486	71	17	6	-18	555	112
4	0	..	..	..	4	54
4	0	..	..	..	4	54
5	1	..	..	..	5	59
5	1	..	..	..	5	57
6,615	1,407	147	97	-24	6,408	107
6,407	1,308	165	115	-18	6,289	105
6,362	1,241	170	112	55	6,221	104
5,486	1,068	64	103	-23	5,743	96
2	..	..	..	..	3	29
2	..	..	..	..	3	29
2	..	..	..	..	3	28
2	..	..	..	..	3	27
36	3	0	..	0	108	62
35	3	0	..	0	109	64
39	4	0	..	0	112	67
39	5	0	..	1	112	67
176	87	6	11	*-4	185	95
186	96	7	2	*8	194	100
181	*89	7	12	*3	188	98
166	*78	2	9	*10	180	95
2	..	..	..	..	3	89
2	..	..	..	..	3	89
2	..	..	..	..	3	89
2	..	..	..	..	3	87
619	385	5	7	-5	313	108
599	353	5	9	-1	317	110
613	365	5	8	3	315	111
534	293	2	8	3	310	110
183	7	25	..	0	159	267
188	6	26	..	0	165	271
188	4	26	..	0	168	270
161	5	23	..	0	145	230
135	6	6	90	5	28	59
141	15	7	93	-2	29	58
146	16	7	96	-2	30	60
129	8	3	92	-1	29	56

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
Montenegro	2017	27	23	..	..	4	..
	2018	31	23	..	..	8	..
	2019	32	25	..	..	7	..
	2020	31	25	..	..	6	..
Netherlands	2017	1,725	117	133	1,379	46	49
	2018	1,528	116	131	1,178	52	51
	2019	1,376	121	118	1,017	61	58
	2020	1,136	129	116	740	87	64
North Macedonia	2017	53	48	0	1	4	0
	2018	52	44	0	1	7	0
	2019	52	47	..	1	5	0
	2020	50	44	0	1	5	0
Norway	2017	9,103	60	3,947	4,570	523	4
	2018	8,650	61	3,599	4,473	514	4
	2019	8,151	62	3,386	4,227	472	4
	2020	8,727	63	4,011	4,107	543	3
Poland	2017	2,690	2,384	80	159	63	4
	2018	2,741	2,444	81	157	54	4
	2019	2,601	2,294	83	156	64	5
	2020	2,423	2,110	81	156	72	5
Portugal	2017	218	121	13	4	69	12
	2018	244	121	13	3	94	12
	2019	245	130	14	3	86	12
	2020	254	132	12	3	94	12
Republic of Moldova	2017	32	32	0	0	0	..
	2018	35	35	0	0	0	..
	2019	30	29	0	0	0	..
	2020	29	28	0	0	0	..
Romania	2017	1,071	340	162	358	86	126
	2018	1,053	320	160	356	93	124
	2019	1,031	315	161	344	87	123
	2020	941	263	159	307	87	125
Russian Federation	2017	60,017	9,627	23,173	24,323	669	2,224
	2018	62,422	10,952	23,560	24,980	692	2,239
	2019	64,239	11,011	23,795	26,439	707	2,287
	2020	60,041	10,157	21,905	24,843	777	2,359
Serbia	2017	438	348	40	17	33	0
	2018	418	324	39	16	39	0
	2019	426	335	38	16	37	0
	2020	458	369	37	15	36	0
Slovakia	2017	265	63	7	11	17	166
	2018	256	61	8	9	15	163
	2019	287	83	8	10	18	168
	2020	280	76	8	8	19	169
Slovenia	2017	153	67	0	1	15	69
	2018	147	64	0	2	18	63
	2019	145	62	0	1	17	64
	2020	151	61	0	1	19	70
Spain	2017	1,354	286	79	13	273	702
	2018	1,374	277	78	16	335	667
	2019	1,375	244	86	17	323	705
	2020	1,407	244	81	15	370	697
Sweden	2017	1,490	465	9	7	299	710
	2018	1,502	452	16	7	285	741
	2019	1,513	463	19	8	309	715
	2020	1,411	489	19	8	363	532

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
23	5	1	..	0	43	68
21	7	1	..	-1	45	71
22	7	1	..	-1	47	74
35	23	0	..	-1	44	70
8,551	6,609	170	482	-78	3,092	180
8,652	6,463	172	463	44	3,037	176
8,434	6,097	169	472	100	2,972	171
7,652	5,279	94	492	40	2,884	165
70	5	..	..	-2	119	57
69	6	..	..	2	113	53
78	9	..	..	-1	123	58
75	6	..	..	1	117	55
410	8,269	23	13	-40	1,247	236
463	7,813	24	15	23	1,238	233
487	7,487	24	14	-35	1,148	215
455	7,986	7	13	37	1,139	212
2,430	710	37	11	-22	4,384	114
2,657	655	43	11	109	4,580	119
2,657	616	46	12	172	4,412	115
2,453	596	20	13	-37	4,285	112
1,168	337	55	33	10	950	92
1,057	271	59	34	19	919	89
1,009	240	63	40	2	910	88
866	263	22	29	-42	848	82
90	1	2	..	0	118	37
94	1	2	..	0	126	40
92	0	2	..	0	119	38
89	1	1	..	1	115	37
582	249	13	1	-11	1,400	71
604	256	5	1	-16	1,411	72
677	249	6	1	55	1,397	72
599	213	2	2	-32	1,355	70
*1,130	28,804	238	729	669	30,706	211
*1,121	29,899	246	*497	-325	33,226	228
*981	32,812	251	96	461	31,599	217
1,001	29,356	206	288	-260	31,453	216
278	60	6	1	3	647	87
285	66	6	1	-5	635	85
280	56	6	1	11	633	86
257	61	3	1	-8	657	89
688	222	2	..	13	717	132
645	191	2	..	-8	716	132
691	195	2	..	75	705	129
594	207	1	..	-18	683	125
275	124	1	6	3	293	140
278	125	2	9	-1	290	138
285	133	1	8	2	286	135
240	115	0	5	0	270	127
5,615	1,371	192	280	-68	5,195	112
5,554	1,322	200	293	-58	5,171	111
5,420	1,208	205	301	51	5,030	107
4,544	1,187	66	267	-98	4,528	96
1,472	886	38	98	-87	2,026	201
1,488	849	40	75	-37	2,063	203
1,288	638	38	85	32	2,008	196
1,382	714	15	106	131	1,827	176

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
Switzerland	2017	461	102	0	5	129	224
	2018	518	100	0	5	133	279
	2019	544	103	1	6	145	289
	2020	519	103	0	6	146	264
Ukraine	2017	2,431	695	95	649	38	953
	2018	2,529	751	100	692	46	940
	2019	2,503	739	108	685	41	930
	2020	2,329	716	104	629	50	831
United Kingdom	2017	4,973	290	2,060	1,620	241	762
	2018	5,109	317	2,241	1,576	270	705
	2019	5,063	327	2,307	1,524	296	609
	2020	4,894	314	2,156	1,536	343	545
Latin America & Carib.	2017	40,311	8,071	21,440	7,172	2,908	720
	2018	38,795	7,927	19,897	7,191	3,037	743
	2019	37,787	7,863	19,016	7,104	3,048	756
	2020	35,067	7,006	17,823	6,403	3,092	743
Anguilla	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Antigua and Barbuda	2017	0	..	..	..	0	..
	2018	0	..	..	..	0	..
	2019	0	..	..	..	0	..
	2020	0	..	..	..	0	..
Argentina	2017	3,035	85	1,329	1,405	151	66
	2018	3,152	96	1,353	1,480	153	70
	2019	3,292	107	1,394	1,553	152	86
	2020	3,108	100	1,348	1,420	125	116
Aruba	2017	*1	0	..	..	*1	..
	2018	*1	0	..	..	*1	..
	2019	*1	0	..	..	*1	..
	2020	*1	0	..	..	*1	..
Bahamas	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Barbados	2017	3	1	1	1	0	..
	2018	3	1	1	1	0	..
	2019	3	0	1	1	0	..
	2020	2	*1	1	0	0	..
Belize	2017	9	5	2	0	1	..
	2018	8	5	2	0	1	..
	2019	7	5	2	0	0	..
	2020	7	5	1	0	1	..
Bolivia (Plur. State of)	2017	887	42	135	701	8	..
	2018	834	43	129	652	10	..
	2019	745	44	120	568	13	..
	2020	716	44	112	548	12	..
Bonaire, St Eustatius, Saba	2017	0	..	..	..	0	..
	2018	0	..	..	..	0	..
	2019	0	..	..	..	0	..
	2020	0	..	..	..	0	..
Brazil	2017	12,366	3,124	6,676	905	1,491	170
	2018	12,538	3,206	6,720	855	1,587	169
	2019	12,975	3,047	7,218	877	1,658	174
	2020	13,393	3,241	7,541	788	1,671	152

Table 2

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
728	127	75	0	-6	992	117
675	136	79	0	-19	997	117
715	148	80	0	8	1,023	119
625	136	29	0	8	971	112
1,481	74	12	..	93	3,732	84
1,421	56	..	..	-28	3,922	88
1,460	66	..	..	161	3,736	85
1,241	52	..	1	70	3,447	79
5,925	3,106	500	95	-131	7,328	111
6,012	3,200	504	103	57	7,257	109
5,777	3,180	506	96	50	7,008	105
4,756	2,938	205	79	-12	6,440	96
12,787	17,541	519	580	-522	34,980	55
12,974	16,433	538	573	-134	34,358	54
12,476	14,763	596	587	-83	34,400	53
11,308	14,121	304	500	-957	32,408	50
2	..	0	0	0	2	124
2	..	0	0	*-1	2	125
2	..	0	0	0	2	135
2	..	0	0	0	2	126
*13	0	*2	*3	..	*8	*93
*14	0	*2	*3	..	*9	*95
*14	0	2	*3	..	*9	*98
*14	0	*2	*3	..	*9	*94
650	219	43	33	4	3,385	77
562	355	39	30	1	3,288	74
400	362	39	19	-21	3,293	74
368	341	48	*6	-5	3,088	69
*16	..	*4	0	..	*13	*120
*16	..	*4	0	..	*13	*119
*16	..	*4	0	..	*13	*120
*16	..	*3	0	..	*13	*120
49	0	*11	*6	*-3	36	90
54	0	*11	*6	*2	35	87
55	0	*12	*6	*1	35	87
44	0	*11	*6	*-4	31	77
21	1	..	..	1	22	78
20	1	..	..	0	22	79
20	1	..	..	-1	22	80
16	2	..	..	-1	17	60
10	2	1	..	0	16	43
10	1	1	..	0	16	41
12	1	1	..	0	17	45
10	0	1	..	0	15	39
52	556	3	..	0	379	33
60	505	3	..	0	385	33
76	429	3	..	1	387	33
44	434	1	..	0	324	27
*4	..	0	*2	0	*2	*68
*3	..	0	*2	0	*2	*65
*4	..	0	*2	0	*2	*67
*3	..	0	*1	0	*2	*66
2,697	2,521	93	141	18	12,289	59
2,649	2,716	105	121	48	12,196	58
2,589	3,047	102	140	88	12,186	58
2,273	3,574	43	156	-35	11,927	56

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
British Virgin Islands	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Cayman Islands	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
Chile	2017	543	376	13	47	104	4
	2018	571	379	17	48	116	10
	2019	572	360	22	58	122	10
	2020	*535	*335	17	45	128	11
Colombia	2017	5,244	2,616	2,004	416	207	..
	2018	5,086	2,469	1,982	430	205	..
	2019	5,268	2,620	2,012	438	197	..
	2020	4,025	1,632	1,786	426	181	..
Costa Rica	2017	94	18	1	0	36	40
	2018	89	16	1	0	37	35
	2019	108	18	1	0	35	54
	2020	116	19	1	0	35	61
Cuba	2017	195	50	107	37	1	..
	2018	197	57	105	34	*1	..
	2019	183	48	101	33	*1	..
	2020	170	39	98	31	*1	..
Curaçao	2017	1	..	..	..	1	..
	2018	1	..	..	..	1	..
	2019	1	..	..	..	1	..
	2020	1	..	..	..	1	..
Dominica	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Dominican Republic	2017	42	32	..	0	10	..
	2018	42	32	..	0	9	..
	2019	38	32	..	0	6	..
	2020	44	34	..	0	10	..
Ecuador	2017	1,262	22	1,138	29	73	0
	2018	1,240	20	1,119	26	75	0
	2019	1,282	21	1,148	23	89	0
	2020	1,167	20	1,039	20	88	0
El Salvador	2017	86	23	..	1	7	56
	2018	83	20	..	0	7	56
	2019	81	20	..	1	7	53
	2020	87	19	..	1	11	56
Falkland Is. (Malvinas)	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Grenada	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Guatemala	2017	343	291	20	0	22	9
	2018	343	294	19	0	21	9
	2019	350	301	20	0	18	11
	2020	360	308	16	0	23	12

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	..	..	..	..	..	*3	*86
*2	..	..	..	..	..	*2	*75
*2	..	..	..	..	..	*2	*76
*2	..	..	..	..	..	*2	*74
10	..	2	..	..	..	8	130
10	..	2	..	..	..	9	135
11	..	1	..	..	..	10	149
10	..	1	..	..	..	9	136
1,141	46	26	6	4	1,603	87	87
1,150	45	28	5	7	1,635	87	87
1,220	23	32	4	5	1,728	91	91
1,080	29	17	1	-16	1,584	82	82
408	4,483	..	..	-543	1,712	35	35
262	3,900	..	..	-194	1,643	33	33
242	3,591	58	6	61	1,794	36	36
189	3,469	26	5	-967	1,681	33	33
123	3	8	..	3	203	41	41
118	3	9	..	-4	198	39	39
122	2	10	..	4	214	42	42
96	3	4	..	-2	207	40	40
266	*34	7	*19	..	400	35	35
237	*32	3	*18	..	382	34	34
225	*23	4	*17	..	365	32	32
211	*25	1	*15	..	341	30	30
325	163	3	85	..	74	434	434
271	120	3	83	..	66	356	356
120	0	3	80	..	37	190	190
96	..	2	66	..	30	158	158
*2	0	0	0	0	*2	*33	*33
*2	0	0	0	0	*2	*35	*35
*2	0	0	0	0	*3	*36	*36
*2	0	0	0	0	*2	*33	*33
337	0	24	1	3	350	33	33
355	0	24	1	-2	373	35	35
386	0	20	1	-2	405	37	37
311	0	9	3	-1	344	31	31
246	906	11	16	-25	600	36	36
269	890	11	29	-16	595	35	35
294	933	11	23	-19	627	36	36
255	867	6	6	17	526	30	30
95	1	7	..	..	172	27	27
99	1	8	..	..	173	28	28
116	1	8	..	..	187	30	30
96	1	3	..	..	179	28	28
0	..	..	..	0	1	150	150
0	..	..	..	0	1	152	152
1	..	..	..	0	1	155	155
1	..	..	..	0	1	159	159
4	..	0	..	0	4	35	35
5	..	0	..	0	5	39	39
5	..	0	..	0	5	42	42
4	..	0	..	0	4	36	36
250	37	4	18	4	531	32	32
257	34	5	18	-3	547	32	32
303	30	4	18	29	571	33	33
239	22	2	17	0	558	32	32

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
Guyana	2017	7	7	..	..	0	..
	2018	5	5	..	..	0	..
	2019	4	4	..	..	0	..
	2020	4	4	..	..	0	..
Haiti	2017	143	142	0	..	0	..
	2018	145	144	0	..	1	..
	2019	147	146	0	..	1	..
	2020	142	141	0	..	0	..
Honduras	2017	104	85	..	..	16	3
	2018	116	87	..	..	18	11
	2019	107	81	..	..	16	11
	2020	101	74	..	..	16	11
Jamaica	2017	9	7	..	..	2	..
	2018	*8	*7	..	..	2	..
	2019	8	7	..	..	2	..
	2020	11	9	..	..	2	..
Mexico	2017	7,013	678	4,721	1,114	157	342
	2018	6,733	609	4,425	1,177	168	354
	2019	6,328	569	4,109	1,151	172	327
	2020	6,284	548	4,099	1,141	200	296
Montserrat	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	0	..	..	..	0	..
	2020	0	..	..	..	0	..
Nicaragua	2017	94	63	..	..	4	27
	2018	97	64	..	..	4	29
	2019	96	64	..	0	4	28
	2020	94	63	..	0	4	28
Panama	2017	42	13	..	..	28	..
	2018	44	13	..	..	31	..
	2019	34	12	..	..	22	..
	2020	41	12	..	..	30	..
Paraguay	2017	362	141	6	..	215	..
	2018	346	126	7	..	213	..
	2019	309	122	8	..	178	..
	2020	293	119	7	..	167	..
Peru	2017	933	106	244	471	110	1
	2018	935	103	248	464	119	1
	2019	980	108	259	489	122	1
	2020	890	105	225	439	119	2
Puerto Rico	2017	1	..	..	0	1	..
	2018	1	..	..	0	1	..
	2019	2	..	..	0	2	..
	2020	2	..	..	0	2	..
Sint Maarten (Dutch part)	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
St. Kitts-Nevis	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
St. Lucia	2017	*1	*1	..	..	..	..
	2018	*1	*1	..	..	0	..
	2019	*1	*1	..	..	0	..
	2020	*1	*1	..	..	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
31	1	1	..	-1	37	48
33	0	1	..	0	38	48
38	0	1	..	0	40	51
37	1	0	..	1	39	49
44	..	1	..	..	186	17
48	..	1	..	..	192	17
43	..	1	..	..	189	17
36	..	1	..	..	177	16
148	0	..	..	18	234	24
148	20	..	..	4	239	24
163	21	..	..	-1	251	25
143	19	..	..	1	224	22
131	12	8	2	2	115	41
131	12	9	2	0	117	42
130	13	9	3	-2	115	41
121	24	3	3	0	102	36
3,935	3,066	165	34	37	7,647	62
4,392	3,081	173	30	67	7,775	63
4,253	2,844	175	33	-176	7,706	62
4,285	2,918	80	7	77	7,487	59
0	..	0	0	0	0	79
0	..	0	0	..	0	96
0	..	0	0	..	0	78
0	..	0	0	..	0	77
76	1	1	..	0	168	26
72	1	1	..	*-1	167	25
77	2	1	..	2	168	25
71	3	0	..	0	162	24
339	1	30	173	-11	188	46
341	1	32	167	-1	186	45
403	2	34	192	0	210	50
308	2	12	176	-15	174	41
108	160	3	..	-5	313	49
121	155	3	..	1	307	48
116	117	3	..	0	304	47
105	104	1	..	2	292	44
531	472	30	..	-34	996	32
500	414	30	19	-47	1,019	32
469	384	31	17	-43	1,061	32
323	319	11	9	-9	882	26
46	..	..	..	..	48	14
60	..	..	..	..	61	18
68	..	..	..	..	70	21
48	..	..	..	..	50	15
*21	..	*2	*8	..	*11	*265
*20	..	*2	*8	..	*11	*255
*21	..	*2	*8	..	*11	*252
*19	..	*2	*7	..	*10	*238
*4	..	0	..	..	*3	*73
*4	..	0	..	..	*4	*74
*4	..	0	..	..	*4	*75
*4	..	0	..	..	*3	*70
9	..	1	0	..	8	44
9	..	1	0	..	8	45
9	..	*1	0	..	8	44
*8	..	*1	0	..	*8	*42

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
St. Vincent-Grenadines	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Suriname	2017	44	2	38	0	3	..
	2018	44	2	39	0	4	..
	2019	44	2	39	0	3	..
	2020	43	1	39	0	2	..
Trinidad and Tobago	2017	1,367	0	197	1,170	0	..
	2018	1,435	0	174	1,260	0	..
	2019	1,444	0	164	1,280	0	..
	2020	1,226	0	153	1,073	0	..
Turks and Caicos Islands	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
United States Virgin Is.	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Uruguay	2017	137	92	3	..	42	..
	2018	137	92	3	..	42	..
	2019	142	90	3	..	48	..
	2020	132	93	3	..	36	..
Venezuela (Bolivar. Rep.)	2017	5,944	48	4,803	875	218	..
	2018	4,562	37	3,553	763	210	..
	2019	3,235	33	2,393	631	179	..
	2020	2,070	38	1,336	470	225	..
Northern America	2017	104,882	19,814	36,570	33,735	3,806	10,957
	2018	112,703	19,878	41,339	36,570	3,874	11,042
	2019	119,109	18,880	44,934	40,301	3,964	11,029
	2020	112,278	14,820	42,810	39,632	4,220	10,796
Bermuda	2017	*1	*1	..	..	0	..
	2018	*1	*1	..	..	0	..
	2019	*1	*1	..	..	0	..
	2020	*1	*1	..	..	0	..
Canada	2017	21,605	1,785	10,463	6,713	1,548	1,096
	2018	22,510	1,738	11,232	6,927	1,523	1,090
	2019	22,576	1,674	11,636	6,664	1,508	1,095
	2020	21,671	1,489	11,077	6,505	1,537	1,062
Greenland	2017	1	0	..	..	1	..
	2018	2	0	..	..	1	..
	2019	2	0	..	..	1	..
	2020	2	0	..	..	2	..
St. Pierre-Miquelon	2017	0	0	..	..	..	..
	2018	0	0	..	..	..	..
	2019	0	0	..	..	..	..
	2020	0	0	..	..	..	..
United States	2017	83,276	18,029	26,107	27,022	2,257	9,861
	2018	90,191	18,140	30,106	29,643	2,349	9,953
	2019	96,530	17,206	33,298	33,637	2,455	9,934
	2020	90,604	13,330	31,733	33,127	2,681	9,734
Oceania	2017	18,337	12,660	759	4,343	239	336
	2018	18,551	12,431	714	4,813	257	335
	2019	20,000	12,980	809	5,588	283	339
	2020	20,290	12,701	953	5,988	308	340

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	0	0	..	0	3	31
4	0	0	..	0	4	35
3	0	0	..	0	3	33
3	0	0	..	0	4	35
13	*13	*2	2	..	40	68
9	*14	*2	2	0	35	60
13	*11	*2	*2	0	43	71
13	*8	*1	*1	0	45	74
193	816	10	22	10	703	476
137	832	8	17	6	708	471
90	807	7	3	-1	718	473
82	687	4	3	0	615	405
*6	..	*1	..	..	*5	*128
*6	..	*1	..	..	*5	*126
*6	..	*1	..	..	*5	*122
*6	..	*1	..	..	*5	*117
..	..	..	..	..	0	*1
..	..	..	..	..	0	*1
..	..	..	..	..	0	*1
..	..	..	..	..	0	*1
90	5	4	4	-5	217	63
101	4	5	6	-1	224	65
95	11	4	7	-7	221	64
100	4	2	4	3	219	64
336	4,020	12	7	0	2,242	73
409	3,294	10	6	..	1,662	56
238	2,106	7	4	..	1,356	47
212	1,264	3	3	..	1,012	36
28,656	30,262	1,054	1,004	-1,590	102,810	281
28,007	34,096	1,080	875	-914	105,573	286
26,421	36,871	1,096	990	965	105,607	284
23,091	35,984	671	679	593	97,441	261
10	..	*1	0	*1	9	148
11	..	*1	0	0	10	160
9	..	*1	0	0	9	138
7	..	*1	0	..	7	107
3,598	12,575	26	16	-52	12,638	346
3,542	13,043	37	19	115	12,838	347
3,853	13,538	36	24	-128	12,960	345
3,242	12,772	14	19	201	11,908	314
8	..	..	1	0	9	157
8	..	..	1	0	9	165
9	..	..	1	0	9	167
9	..	..	1	0	9	167
*1	..	..	0	..	*1	*156
*1	..	..	0	..	*1	*143
*1	..	..	0	..	*1	*156
*1	..	..	0	..	*1	*148
25,038	17,688	1,027	986	-1,539	90,152	273
24,445	21,053	1,042	854	-1,029	92,715	279
22,549	23,332	1,060	965	1,093	92,628	277
19,832	23,212	656	659	393	85,517	255
2,693	13,965	245	39	112	6,669	159
2,868	14,442	259	41	-25	6,702	158
2,857	15,512	271	49	257	6,767	156
2,650	15,722	189	38	205	6,787	154

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
American Samoa	2017	0	..	..	..	0	..
	2018	0	..	..	..	0	..
	2019	0	..	..	..	0	..
	2020	0	..	..	..	0	..
Australia	2017	16,970	12,466	645	3,711	132	16
	2018	17,266	12,233	617	4,253	147	17
	2019	18,651	12,782	724	4,955	173	18
	2020	18,950	12,512	870	5,348	202	18
Cook Islands	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Fiji	2017	7	5	..	..	2	..
	2018	6	4	..	..	2	..
	2019	7	5	..	..	2	..
	2020	6	4	..	..	2	..
French Polynesia	2017	1	0	..	..	1	0
	2018	1	0	..	..	1	0
	2019	1	0	..	..	1	0
	2020	1	0	..	..	1	0
Guam	2017	0	..	..	..	0	..
	2018	0	..	..	..	0	..
	2019	0	..	..	..	0	..
	2020	0	..	..	..	0	..
Kiribati	2017	*1	*1	..	..	0	..
	2018	*1	*1	..	..	0	..
	2019	*1	*1	..	..	0	..
	2020	*1	*1	..	..	0	..
Marshall Islands	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Micronesia (Fed. States of)	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Nauru	2017	0	..	..	..	0	..
	2018	0	..	..	..	0	..
	2019	0	..	..	..	0	..
	2020	0	..	..	..	0	..
New Caledonia	2017	2	0	0	..	2	0
	2018	2	0	0	..	1	0
	2019	2	0	0	..	2	0
	2020	2	0	0	..	2	0
New Zealand	2017	765	113	70	178	98	305
	2018	738	119	55	158	102	303
	2019	751	118	56	170	101	306
	2020	727	109	49	166	96	307
Niue	2017	0	0	..	..	0	0
	2018	0	0	..	..	0	0
	2019	0	0	..	..	0	0
	2020	0	0	..	..	0	0
Northern Mariana Islands	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	0	..	..	..	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
*5	..	0	0	..	*4	*86
*5	..	0	0	..	*4	*88
*5	..	0	0	..	*4	*90
*5	..	0	0	..	*4	*92
2,091	13,353	186	22	119	5,381	219
2,230	13,893	197	23	-38	5,423	217
2,217	14,909	209	31	272	5,447	215
2,090	15,144	161	27	195	5,514	215
*2	..	0	0	..	*1	*70
*2	..	0	0	..	*1	*72
*2	..	0	0	..	*1	*74
*1	..	0	0	..	*1	*60
35	13	*1	*2	*-1	25	28
*39	*14	*1	*3	*1	*26	*28
*38	*15	*1	*3	0	*26	*28
*23	*7	0	*1	..	*21	*22
12	..	..	..	0	13	44
13	..	..	..	0	13	44
13	..	..	..	0	13	44
12	..	..	..	0	13	42
0	..	..	..	..	0	1
0	..	..	..	..	0	1
0	..	..	..	..	0	1
0	..	..	..	..	0	1
1	..	0	..	..	2	13
*1	..	0	..	..	*2	*13
*1	..	0	..	..	*2	*13
*1	..	0	..	..	*2	*13
*2	..	0	..	..	*2	*48
*2	..	0	..	..	*2	*50
*2	..	0	..	..	*2	*51
*2	..	0	..	..	*2	*52
*3	..	0	0	..	*2	*20
*3	..	0	0	..	*2	*20
*3	..	0	0	..	*2	*20
*3	..	0	0	..	*2	*19
*1	..	0	0	..	*1	*67
*1	..	0	0	..	*1	*63
*1	..	0	0	..	*1	*61
*1	..	0	0	..	*1	*61
66	..	1	0	-1	68	239
73	..	1	1	1	72	252
68	..	1	0	-1	69	243
65	..	1	0	3	63	220
349	103	51	12	-10	959	202
361	92	54	12	8	933	193
366	95	54	13	-14	970	196
315	72	22	7	7	935	185
0	..	0	..	..	0	*52
0	..	0	..	..	0	*54
0	..	0	..	..	0	*56
0	..	0	..	..	0	*55
*9	..	0	*1	..	*8	*153
*9	..	0	*1	..	*8	*151
*9	..	0	*1	..	*8	*154
*6	..	0	0	..	*5	*110

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
Palau	2017	0	..	..	..	0	..
	2018	0	..	..	..	0	..
	2019	0	..	..	..	0	..
	2020	0	..	..	..	0	..
Papua New Guinea	2017	585	69	44	454	4	15
	2018	530	69	41	402	3	15
	2019	580	69	29	463	4	15
	2020	596	70	34	474	4	14
Samoa	2017	*2	*1	..	0	0	0
	2018	*2	*1	..	0	0	0
	2019	*2	*1	..	0	0	0
	2020	*2	*1	..	0	0	0
Solomon Islands	2017	*3	*3	..	..	0	..
	2018	*3	*3	..	..	0	..
	2019	*3	*3	..	..	0	..
	2020	*3	*3	..	..	0	..
Tonga	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..
Tuvalu	2017	0	..	..	..	0	..
	2018	0	..	..	..	0	..
	2019	0	..	..	..	0	..
	2020	0	..	..	..	0	..
Vanuatu	2017	1	1	0	..	0	..
	2018	1	1	0	..	0	..
	2019	1	1	0	..	0	..
	2020	1	1	0	..	0	..
Wallis and Futuna Is.	2017	0	0	..	..	0	..
	2018	0	0	..	..	0	..
	2019	0	0	..	..	0	..
	2020	0	0	..	..	0	..

Components of Total Energy Supply

Petajoules and gigajoules per capita

Imports	Exports	International bunkers		Stock changes	Supply	
		Aviation	Marine		Total	Per capita
*3	..	0	..	..	*3	*168
*3	..	0	..	..	*3	*167
*3	..	0	..	..	*3	*171
*3	..	0	..	..	*3	*164
100	496	*3	0	4	182	20
112	443	3	0	2	193	21
115	494	*2	0	0	198	21
108	499	*3	0	1	200	21
4	0	*1	..	0	5	25
4	0	*1	..	0	5	25
5	0	*1	..	0	6	27
*4	0	0	..	0	*5	*24
*5	0	0	0	..	*7	*12
*5	0	0	0	..	*8	*11
*5	0	0	0	..	*8	*11
*5	0	0	0	..	*8	*11
2	..	0	0	0	2	18
2	..	0	0	0	2	18
2	..	0	0	0	2	22
2	..	0	0	*-1	3	25
0	..	0	..	..	0	*12
0	..	0	..	..	0	*13
0	..	0	..	..	0	*13
0	..	0	..	..	0	*12
3	0	0	0	..	3	10
3	0	0	0	..	3	11
3	0	0	0	..	3	11
4	..	0	0	..	4	12
0	..	0	..	..	0	30
0	..	0	..	..	0	31
0	..	0	..	..	0	32
0	..	0	..	..	0	34

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, 2020

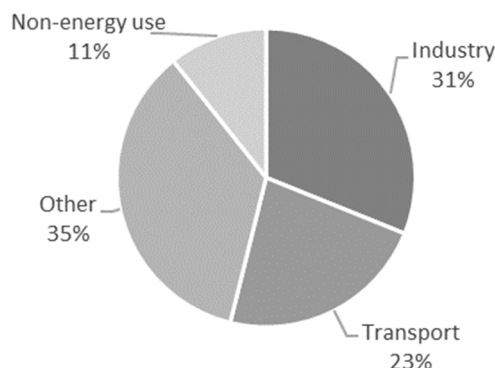


Figure 10: Total final consumption by region, 1990-2020

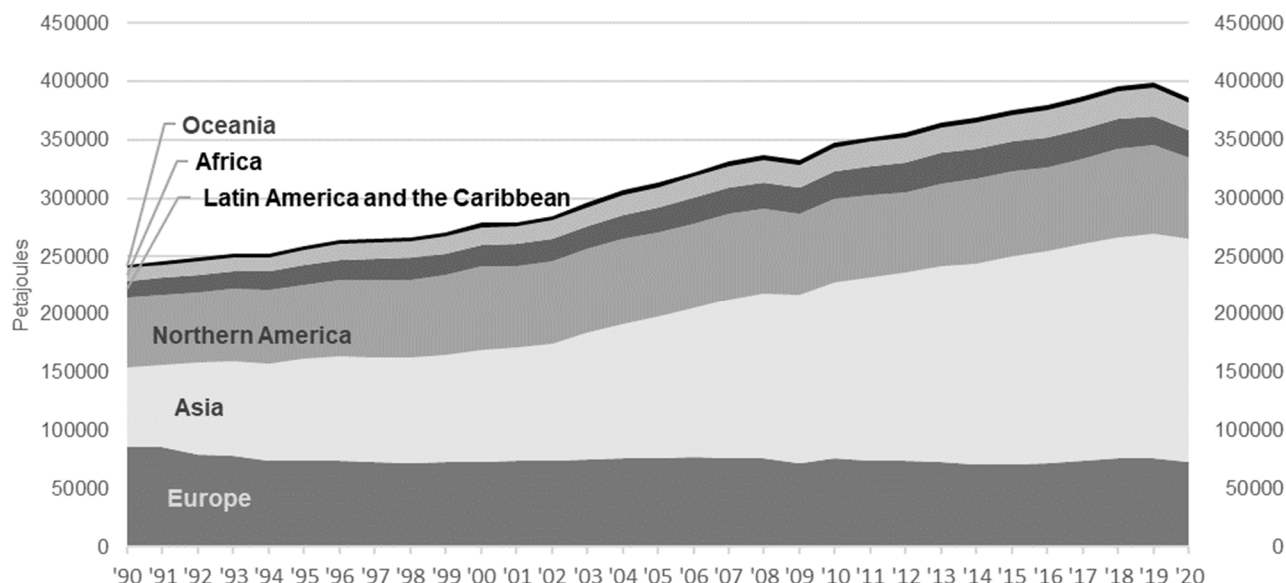


Table 3

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	2017	387,211	37,920	117,389	96,574	135,328	51
	2018	396,152	38,915	120,978	97,947	138,311	52
	2019	399,062	40,203	122,006	98,348	138,505	51
	2020	386,175	41,308	120,106	87,951	136,810	49
Africa	2017	23,415	762	3,541	4,538	14,574	19
	2018	24,139	692	3,841	4,759	14,848	19
	2019	24,280	846	3,626	5,115	14,693	18
	2020	23,852	795	3,512	4,688	14,856	18
Algeria	2017	1,591	133	270	626	563	39
	2018	1,776	209	284	634	649	42
	2019	1,776	169	303	612	692	42
	2020	1,693	150	308	564	672	39
Angola	2017	*389	4	38	*81	*265	*13
	2018	*392	3	40	*79	*269	*13
	2019	*416	*5	45	*85	*281	*13
	2020	*427	*8	*70	*71	*279	*13
Benin	2017	170	..	5	84	*82	15
	2018	183	..	3	94	*85	15
	2019	*183	0	7	82	*94	*15
	2020	*190	0	7	86	*96	*15
Botswana	2017	59	1	12	32	14	25
	2018	60	1	11	33	14	24
	2019	60	1	12	33	14	24
	2020	56	1	11	30	14	22
Burkina Faso	2017	*172	0	*15	28	*129	*9
	2018	*180	0	*17	32	*131	*9
	2019	*188	0	*21	34	*133	*9
	2020	*188	0	*20	34	*134	*9
Burundi	2017	*56	*1	*1	*6	*49	*5
	2018	*58	0	*1	8	*49	*5
	2019	*58	0	*1	8	*49	*5
	2020	*60	*1	*1	9	*49	*5
Cabo Verde	2017	*7	0	0	*3	*3	*12
	2018	*7	0	0	*3	*3	*12
	2019	*7	0	0	*3	*3	*12
	2020	*7	0	0	*3	*3	*11
Cameroon	2017	*317	3	17	44	*252	*13
	2018	*324	3	18	43	*260	*13
	2019	*335	3	18	47	*266	*13
	2020	*343	3	19	47	*273	*13
Central African Rep.	2017	*36	0	0	*3	*33	*7
	2018	*36	0	0	*3	*33	*7
	2019	*37	0	0	*3	*33	*7
	2020	*37	0	0	*3	*34	*7
Chad	2017	*83	0	*1	20	*62	*6
	2018	*84	0	*1	20	*63	*5
	2019	*86	0	*2	20	*64	*5
	2020	*86	0	*1	*20	*64	*5
Comoros	2017	7	..	0	*2	4	9
	2018	*7	..	0	*2	*4	*9
	2019	*7	..	0	*3	*4	*9
	2020	*8	..	0	*3	*5	*10

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	2017	*81	1	3	18	*58	*15
	2018	*81	1	3	17	*59	*15
	2019	*82	1	3	17	*60	*15
	2020	*80	1	3	16	*60	*14
Côte d'Ivoire	2017	307	3	30	55	218	12
	2018	300	4	22	55	219	12
	2019	311	2	28	58	224	12
	2020	320	2	28	57	233	12
Dem. Rep. of the Congo	2017	920	0	36	29	854	11
	2018	814	0	42	29	744	9
	2019	821	0	37	30	753	9
	2020	840	0	38	32	770	9
Djibouti	2017	*8	0	0	*2	*5	*8
	2018	*8	0	0	*2	*6	*8
	2019	*8	0	0	*2	*6	*8
	2020	*7	0	0	*1	*5	*7
Egypt	2017	2,767	282	767	538	1,180	27
	2018	2,768	113	934	527	1,195	27
	2019	2,539	296	736	736	770	24
	2020	2,386	301	607	704	774	22
Equatorial Guinea	2017	*123	0	*106	9	*8	*85
	2018	*88	0	*71	8	*8	*59
	2019	*64	0	*47	9	*8	*41
	2020	*76	0	*61	6	*9	*48
Eritrea	2017	25	0	0	3	22	7
	2018	26	0	0	3	22	7
	2019	26	0	0	3	22	7
	2020	26	0	0	3	23	7
Eswatini	2017	39	0	15	9	15	34
	2018	40	0	16	8	16	35
	2019	42	0	17	9	16	36
	2020	*42	0	*17	*9	*16	*35
Ethiopia	2017	*1,418	4	69	88	*1,258	*13
	2018	*1,438	4	68	93	*1,273	*13
	2019	*1,464	4	76	98	*1,286	*13
	2020	*1,495	4	86	101	*1,304	*13
Gabon	2017	*74	1	*21	3	*50	*35
	2018	*75	0	*22	3	*50	*34
	2019	*76	0	*22	3	*51	*34
	2020	*76	1	*22	3	*51	*33
Gambia	2017	*11	..	*2	*1	*7	*5
	2018	*11	..	*2	*1	*8	*4
	2019	*11	..	*2	*1	*8	*4
	2020	*11	..	*2	*1	*8	*4
Ghana	2017	294	*3	43	103	146	10
	2018	320	*4	46	118	152	10
	2019	331	*4	48	127	152	10
	2020	352	*3	51	139	159	11
Guinea	2017	*150	*2	*18	*23	*106	*12
	2018	*148	*2	*19	*20	*107	*12
	2019	*159	*2	*22	*28	*107	*12
	2020	*166	*3	*23	*32	*108	*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	
Guinea-Bissau	2017	*28	*1	0	*1	*26	*15
	2018	*29	*1	0	*2	*27	*15
	2019	*29	*1	0	*2	*27	*15
	2020	*29	0	0	*1	*27	*14
Kenya	2017	586	2	61	138	385	12
	2018	*553	3	75	128	*348	*11
	2019	541	3	56	147	335	11
	2020	548	4	55	142	347	11
Lesotho	2017	*46	0	*20	7	*19	*21
	2018	*44	0	*19	7	*18	*20
	2019	*44	0	*19	7	*18	*20
	2020	*41	0	*17	6	*19	*18
Liberia	2017	*79	0	0	*4	*75	*17
	2018	*81	0	0	*3	*77	*17
	2019	*88	0	0	8	*80	*18
	2020	*88	0	0	5	*82	*17
Libya	2017	364	11	35	242	76	57
	2018	370	10	37	236	88	57
	2019	374	11	35	240	88	57
	2020	363	10	29	236	88	55
Madagascar	2017	234	*3	29	19	184	9
	2018	253	*3	30	*20	200	9
	2019	266	*2	32	*21	210	10
	2020	*271	*2	*32	*19	*219	*10
Malawi	2017	*66	0	*10	*13	*43	*4
	2018	*68	0	*10	*15	*43	*4
	2019	*71	0	*10	*17	*43	*4
	2020	*74	0	*10	*20	*44	*4
Mali	2017	*154	..	*4	*36	*115	*8
	2018	*158	..	*4	*38	*117	*8
	2019	*170	..	*4	*47	*119	*8
	2020	*180	..	*4	*55	*121	*8
Mauritania	2017	*55	*1	*12	*19	*22	*13
	2018	*61	*2	15	*22	*22	*14
	2019	*63	*3	15	*23	*22	*14
	2020	*66	*2	18	*24	*23	*15
Mauritius	2017	42	1	9	22	10	33
	2018	43	1	9	23	10	33
	2019	44	1	9	23	11	34
	2020	35	0	8	17	10	27
Morocco	2017	683	21	141	240	282	19
	2018	690	19	141	247	283	19
	2019	712	23	139	258	292	19
	2020	664	22	126	225	292	18
Mozambique	2017	*333	7	57	45	*224	*12
	2018	*336	7	59	44	*225	*11
	2019	*347	8	60	49	*231	*11
	2020	*341	7	56	45	*233	*11
Namibia	2017	75	1	7	28	39	32
	2018	75	1	7	28	39	31
	2019	74	1	7	27	39	30
	2020	67	1	6	25	36	27

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	2017	*72	..	*5	11	*56	*3
	2018	*82	..	*3	*10	*69	*4
	2019	*90	..	*3	*15	*72	*4
	2020	*94	..	*4	*15	*76	*4
Nigeria	2017	*5,429	57	*300	722	*4,349	*28
	2018	*5,569	61	*308	774	*4,427	*28
	2019	*5,720	58	*311	836	*4,515	*28
	2020	*5,698	58	312	718	*4,610	*27
Rwanda	2017	*83	0	*7	*9	*67	*7
	2018	*85	0	*7	*10	*68	*7
	2019	*86	0	*7	*10	*69	*7
	2020	*87	0	*7	*9	*70	*7
Sao Tome and Principe	2017	*2	0	0	*1	*1	*10
	2018	*2	0	0	*1	*1	*9
	2019	*2	0	0	1	*1	*9
	2020	*2	0	0	*1	*1	*9
Senegal	2017	117	..	*20	43	53	8
	2018	123	..	*24	36	63	8
	2019	129	..	*34	41	55	8
	2020	124	..	26	39	60	8
Seychelles	2017	*5	0	*1	*2	*2	*48
	2018	*5	0	*1	*3	*2	*51
	2019	*5	0	*1	*2	*2	*48
	2020	*5	0	*1	*2	*2	*48
Sierra Leone	2017	*58	0	*2	*9	*47	*8
	2018	*57	0	*2	9	*46	*7
	2019	*58	0	*1	9	*47	*7
	2020	*58	0	*1	10	*48	*7
Somalia	2017	*113	..	*2	*2	*110	*8
	2018	*116	..	*2	*2	*112	*8
	2019	*118	..	*2	*2	*115	*7
	2020	*120	..	*2	*2	*117	*7
South Africa	2017	2,598	191	897	679	832	46
	2018	2,840	195	935	811	899	50
	2019	2,754	179	910	810	855	47
	2020	2,434	181	909	638	706	41
South Sudan	2017	21	..	1	10	10	2
	2018	24	..	1	13	10	2
	2019	25	..	1	13	10	2
	2020	24	..	1	12	10	2
St. Helena and Depend.	2017	0	..	..	0	0	*17
	2018	0	..	..	0	0	*27
	2019	0	..	..	0	0	27
	2020	0	..	..	0	0	35
Sudan	2017	*407	*9	*70	*133	*195	*10
	2018	*419	*23	*72	*135	*189	*10
	2019	*457	*51	*71	*142	*193	*11
	2020	*407	*16	*71	*129	*192	*9
Togo	2017	78	..	3	12	63	10
	2018	85	..	4	14	67	11
	2019	90	0	5	15	70	11
	2020	94	0	5	15	74	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	
Tunisia	2017	351	13	91	108	140	30
	2018	353	12	91	107	142	30
	2019	347	9	88	103	146	29
	2020	326	7	79	100	141	27
Uganda	2017	713	0	83	43	586	18
	2018	840	*1	158	47	634	20
	2019	887	*1	155	50	682	21
	2020	1,012	1	157	48	807	23
United Rep. of Tanzania	2017	793	2	85	72	634	14
	2018	810	2	88	76	644	14
	2019	853	2	91	79	680	14
	2020	875	3	91	91	690	14
Zambia	2017	335	3	86	29	217	19
	2018	336	3	86	*26	222	19
	2019	342	3	79	29	231	19
	2020	351	3	82	35	232	19
Zimbabwe	2017	*390	1	30	31	*328	*26
	2018	*409	1	32	41	*335	*27
	2019	*406	1	31	36	*338	*26
	2020	*399	1	30	30	*338	*25
Asia	2017	187,254	20,802	73,874	31,939	60,640	41
	2018	191,156	21,383	76,911	32,320	60,542	42
	2019	193,773	22,128	77,757	32,333	61,554	42
	2020	193,113	24,040	77,018	30,452	61,603	41
Afghanistan	2017	*163	*5	*43	*54	*60	*5
	2018	*175	*5	*48	61	*62	*5
	2019	*180	*5	*48	62	*64	*5
	2020	*189	*5	*51	70	*63	*5
Armenia	2017	97	1	14	27	54	34
	2018	94	2	13	30	49	33
	2019	105	*2	13	34	56	37
	2020	112	3	14	36	59	40
Azerbaijan	2017	376	45	43	110	178	37
	2018	399	52	42	121	185	39
	2019	455	73	60	120	202	44
	2020	451	74	60	97	219	44
Bahrain	2017	262	70	85	53	53	180
	2018	274	73	92	55	56	185
	2019	290	76	98	53	63	194
	2020	278	74	102	48	54	188
Bangladesh	2017	*1,456	54	378	159	*865	*9
	2018	*1,480	47	389	174	*871	*9
	2019	*1,594	63	466	169	*895	*10
	2020	*1,442	58	364	149	*870	*9
Bhutan	2017	*67	*1	10	7	*50	*88
	2018	*70	*1	11	7	*51	*92
	2019	*72	*1	11	7	*53	*94
	2020	*66	*1	7	*5	*54	*86
Brunei Darussalam	2017	56	18	6	19	13	130
	2018	65	26	6	19	14	150
	2019	66	25	8	18	14	150
	2020	63	22	10	17	14	143

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	2017	*248	1	*59	68	*120	*16
	2018	*261	3	*66	72	*120	*16
	2019	*292	4	*71	89	*128	*18
	2020	*300	4	*72	94	*130	*18
China	2017	78,906	8,043	38,396	10,581	21,886	56
	2018	81,599	8,531	39,723	10,949	22,396	58
	2019	83,021	9,281	40,119	10,888	22,732	58
	2020	86,180	11,076	41,294	*10,568	23,242	60
China, Hong Kong SAR	2017	340	2	*32	*96	210	46
	2018	336	2	*32	*94	209	45
	2019	340	1	*32	*96	211	45
	2020	330	1	*31	*93	205	44
China, Macao SAR	2017	37	2	2	6	26	57
	2018	34	2	2	6	23	52
	2019	33	2	2	6	23	50
	2020	31	*2	2	5	22	46
Cyprus	2017	67	2	10	29	27	55
	2018	66	2	10	29	26	54
	2019	68	2	10	29	27	55
	2020	64	2	10	26	26	51
Georgia	2017	188	11	35	58	83	50
	2018	186	11	37	57	81	49
	2019	194	14	35	59	85	51
	2020	189	13	33	56	86	50
India	2017	28,000	1,388	12,719	1,997	11,896	21
	2018	28,091	1,420	12,994	2,481	11,196	21
	2019	28,465	*1,567	13,195	2,180	11,523	21
	2020	27,220	*2,082	12,203	1,911	11,024	19
Indonesia	2017	6,027	419	1,609	1,368	2,630	23
	2018	6,599	434	*2,551	1,195	2,420	25
	2019	6,991	535	2,820	1,093	2,543	26
	2020	6,696	469	2,466	1,039	2,722	25
Iran (Islamic Rep. of)	2017	8,369	1,259	1,930	2,129	3,051	99
	2018	8,477	1,306	2,013	2,029	3,129	99
	2019	8,401	1,279	2,000	2,007	3,115	97
	2020	8,211	1,225	2,010	1,882	3,094	94
Iraq	2017	821	26	149	385	261	21
	2018	923	23	170	451	278	23
	2019	985	29	191	480	285	24
	2020	883	31	172	399	280	21
Israel	2017	652	79	124	249	200	78
	2018	648	79	120	250	199	77
	2019	664	73	127	252	213	77
	2020	630	76	114	226	213	72
Japan	2017	12,292	1,512	3,508	2,994	4,277	97
	2018	11,989	1,415	3,525	2,957	4,092	95
	2019	11,761	1,421	3,398	2,897	4,045	93
	2020	11,058	1,255	3,164	2,621	4,018	88
Jordan	2017	282	10	33	137	102	28
	2018	279	8	31	136	105	27
	2019	281	8	30	138	105	26
	2020	242	6	29	100	107	22

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	2017	1,892	46	944	248	654	103
	2018	1,748	*50	638	265	795	94
	2019	1,573	*54	540	249	730	84
	2020	1,735	*66	514	317	837	91
Korea, Dem.Ppl's.Rep.	2017	584	7	355	56	165	23
	2018	549	7	331	53	158	21
	2019	599	8	364	58	169	23
	2020	573	7	347	55	163	22
Korea, Republic of	2017	7,743	2,250	2,045	1,495	1,954	150
	2018	7,701	2,176	2,086	1,475	1,964	149
	2019	7,678	2,254	1,985	1,538	1,901	148
	2020	7,380	2,119	1,928	1,436	1,897	142
Kuwait	2017	751	124	249	210	168	182
	2018	773	128	252	222	171	179
	2019	788	112	280	224	172	177
	2020	745	112	284	181	168	171
Kyrgyzstan	2017	149	1	17	48	82	24
	2018	176	*9	21	48	98	28
	2019	144	*2	17	38	88	23
	2020	135	*2	11	37	86	21
Lao People's Dem. Rep.	2017	*124	0	*17	42	*65	*18
	2018	*126	0	*18	43	*65	*18
	2019	135	0	22	*43	70	19
	2020	*137	0	*26	*43	*68	*19
Lebanon	2017	*242	4	*34	*97	*108	*40
	2018	*224	4	*33	*90	*97	*38
	2019	*224	2	*31	*95	97	*39
	2020	203	*2	26	*90	85	36
Malaysia	2017	2,493	506	703	868	415	78
	2018	2,554	528	764	871	391	79
	2019	2,727	587	833	904	403	83
	2020	2,560	565	749	861	384	77
Maldives	2017	*16	0	*1	*12	*3	*34
	2018	*19	0	*1	*14	*3	*38
	2019	*21	0	*1	*16	*4	*42
	2020	*17	0	*1	*13	*3	*33
Mongolia	2017	372	0	26	20	326	120
	2018	419	0	29	21	368	132
	2019	446	0	32	26	387	138
	2020	416	0	32	*28	356	126
Myanmar	2017	*718	23	74	64	*557	*14
	2018	*862	11	142	118	*591	*16
	2019	*845	21	151	90	*583	*16
	2020	*827	3	105	188	*531	*15
Nepal	2017	*571	3	56	63	*450	*20
	2018	*600	5	66	69	*460	*21
	2019	*592	8	57	61	*467	*21
	2020	623	6	70	68	479	21
Oman	2017	878	117	290	173	299	193
	2018	984	157	254	170	403	214
	2019	1,000	151	258	168	423	217
	2020	927	152	237	141	397	204

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	2017	2,936	893	1,006	524	513	124
	2018	2,966	931	1,020	509	506	125
	2019	2,870	850	1,001	513	506	121
	2020	2,899	861	1,003	517	518	122
Pakistan	2017	3,158	221	972	778	1,187	15
	2018	3,203	217	1,042	750	1,194	15
	2019	3,148	217	979	725	1,226	14
	2020	2,974	185	899	655	1,235	13
Philippines	2017	1,506	68	331	518	590	14
	2018	1,518	60	314	536	609	14
	2019	1,543	48	305	556	634	14
	2020	1,385	56	266	431	632	12
Qatar	2017	814	198	321	185	110	300
	2018	800	200	324	162	*114	289
	2019	854	201	365	168	*120	304
	2020	902	285	330	162	124	327
Saudi Arabia	2017	6,427	1,337	1,626	1,737	1,728	188
	2018	6,764	1,519	2,050	1,409	1,786	193
	2019	*6,573	*1,305	*1,606	1,894	*1,768	*183
	2020	*6,426	*1,288	*1,696	1,680	*1,763	*179
Singapore	2017	1,051	528	312	108	103	182
	2018	834	320	304	105	104	143
	2019	803	286	305	104	108	137
	2020	740	261	277	95	107	125
Sri Lanka	2017	362	1	86	152	123	17
	2018	357	1	96	135	125	17
	2019	361	1	94	138	128	17
	2020	*345	1	*95	120	*129	*16
State of Palestine	2017	68	1	4	32	31	14
	2018	66	2	4	30	31	14
	2019	70	1	4	30	35	14
	2020	72	1	3	31	37	14
Syrian Arab Republic	2017	221	27	51	70	74	12
	2018	266	30	59	91	87	14
	2019	239	27	54	79	79	12
	2020	218	25	49	72	72	10
Tajikistan	2017	157	1	27	16	113	18
	2018	165	1	25	17	123	18
	2019	173	1	28	19	125	18
	2020	180	1	23	24	133	19
Thailand	2017	4,248	946	1,279	1,141	882	60
	2018	4,283	1,018	1,237	1,156	872	60
	2019	4,370	976	1,315	1,188	890	61
	2020	3,969	909	1,096	1,242	723	56
Timor-Leste	2017	6	0	..	4	2	5
	2018	7	0	..	4	2	5
	2019	7	1	..	4	2	5
	2020	7	0	..	4	2	5
Türkiye	2017	4,338	206	1,312	1,177	1,643	53
	2018	4,243	197	1,318	1,187	1,541	51
	2019	4,301	223	1,234	1,190	1,654	52
	2020	4,413	273	1,313	1,119	1,709	52

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	2017	667	..	31	187	449	112
	2018	669	..	31	188	449	110
	2019	690	..	31	189	470	112
	2020	702	..	31	186	484	112
United Arab Emirates	2017	2,290	261	*1,102	528	400	253
	2018	2,227	246	*1,050	529	403	244
	2019	2,342	238	1,197	502	405	254
	2020	2,387	261	1,324	430	371	257
Uzbekistan	2017	1,236	*13	*393	213	617	39
	2018	1,174	*14	253	226	681	36
	2019	1,202	*18	280	234	670	36
	2020	1,299	41	266	243	748	39
Viet Nam	2017	2,446	71	1,015	614	745	26
	2018	2,720	109	1,259	611	741	29
	2019	3,088	76	1,637	569	805	32
	2020	3,185	80	1,798	501	806	33
Yemen	2017	84	0	11	35	38	3
	2018	111	1	16	43	51	4
	2019	111	1	16	43	51	4
	2020	100	0	14	38	48	3
Europe	2017	74,017	7,643	18,113	19,259	29,002	99
	2018	75,740	8,126	18,167	19,552	29,896	101
	2019	76,087	7,996	18,987	19,623	29,481	102
	2020	72,522	8,181	18,448	17,166	28,727	97
Albania	2017	89	3	15	35	35	31
	2018	87	2	14	36	36	30
	2019	87	2	13	36	36	30
	2020	84	1	16	30	36	29
Andorra	2017	9	0	0	5	4	116
	2018	9	0	0	5	4	120
	2019	9	0	0	5	4	116
	2020	7	0	0	3	4	91
Austria	2017	1,179	68	320	377	413	134
	2018	1,164	75	317	381	391	132
	2019	1,183	86	317	381	398	133
	2020	1,118	84	307	333	394	126
Belarus	2017	792	105	173	166	347	82
	2018	832	124	181	175	352	86
	2019	805	112	183	173	336	83
	2020	789	118	181	156	333	82
Belgium	2017	1,723	315	461	378	569	151
	2018	1,746	329	471	380	566	152
	2019	1,695	305	455	378	557	147
	2020	1,606	295	428	329	554	139
Bosnia and Herzegovina	2017	150	3	35	53	60	43
	2018	181	4	36	52	89	53
	2019	180	5	31	56	89	54
	2020	173	4	25	50	93	52
Bulgaria	2017	427	20	115	143	149	59
	2018	429	21	114	145	149	60
	2019	425	19	112	147	147	60
	2020	417	20	111	138	148	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	2017	308	23	48	92	144	73
	2018	301	21	49	90	141	72
	2019	307	25	49	94	138	74
	2020	293	23	49	83	137	71
Czechia	2017	1,136	119	280	281	456	108
	2018	1,126	120	279	283	444	107
	2019	1,128	121	276	288	444	107
	2020	1,084	98	273	271	441	103
Denmark	2017	584	10	94	182	297	102
	2018	582	10	95	184	293	101
	2019	568	8	93	181	286	98
	2020	560	18	94	169	278	96
Estonia	2017	125	6	21	34	65	95
	2018	128	5	21	35	66	97
	2019	125	5	20	36	64	94
	2020	123	7	18	34	64	93
Faeroe Islands	2017	9	0	1	1	7	188
	2018	10	0	1	1	7	189
	2019	9	0	1	2	7	183
	2020	10	0	1	2	7	185
Finland	2017	1,075	59	453	179	384	195
	2018	1,091	58	469	181	382	198
	2019	1,078	59	465	178	377	195
	2020	1,019	63	434	166	356	184
France	2017	6,545	597	1,184	1,972	2,791	99
	2018	6,395	563	1,184	1,933	2,716	96
	2019	6,340	570	1,154	1,934	2,681	95
	2020	5,832	532	1,083	1,640	2,578	87
Germany	2017	9,562	971	2,388	2,469	3,735	116
	2018	9,390	927	2,409	2,394	3,659	113
	2019	9,356	924	2,328	2,425	3,679	113
	2020	9,024	898	2,272	2,200	3,655	108
Gibraltar	2017	9	1	..	7	1	265
	2018	9	1	..	7	1	283
	2019	10	1	..	8	1	302
	2020	9	1	..	7	1	284
Greece	2017	687	37	116	247	288	64
	2018	664	38	115	250	260	62
	2019	675	39	109	257	270	64
	2020	631	35	106	220	270	60
Guernsey	2017	1	..	..	..	1	21
	2018	1	..	..	..	1	20
	2019	1	..	..	..	1	20
	2020	1	..	..	..	1	19
Hungary	2017	846	95	181	191	379	86
	2018	846	97	187	204	359	87
	2019	848	92	188	215	352	87
	2020	839	98	187	191	363	86
Iceland	2017	128	5	58	15	50	373
	2018	136	7	58	15	56	385
	2019	132	6	55	15	56	366
	2020	126	6	54	13	53	344

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	2017	460	11	90	170	189	96
	2018	479	10	94	172	202	99
	2019	479	11	94	173	201	98
	2020	461	10	92	146	213	93
Isle of Man	2017	2	..	0	..	2	28
	2018	2	..	0	..	2	27
	2019	2	..	1	..	2	28
	2020	2	..	0	..	2	27
Italy	2017	5,006	332	1,048	1,466	2,160	83
	2018	5,008	300	1,038	1,512	2,158	84
	2019	4,959	296	1,049	1,524	2,089	83
	2020	4,525	287	1,004	1,233	2,002	76
Jersey	2017	7	..	2	2	3	64
	2018	7	..	2	2	3	62
	2019	6	..	2	2	3	60
	2020	6	..	2	2	3	55
Kosovo	2017	66	2	13	17	33	38
	2018	64	2	12	18	32	37
	2019	66	2	13	18	33	39
	2020	67	2	13	18	34	40
Latvia	2017	167	4	33	46	84	85
	2018	174	4	38	47	85	90
	2019	169	4	36	47	83	88
	2020	164	4	36	45	79	87
Liechtenstein	2017	3	..	..	..	3	80
	2018	3	..	..	..	3	80
	2019	3	..	..	..	3	79
	2020	3	..	..	..	3	77
Lithuania	2017	271	51	45	83	92	93
	2018	276	47	46	88	94	96
	2019	279	50	47	91	91	98
	2020	269	48	43	90	88	95
Luxembourg	2017	154	1	26	84	42	259
	2018	160	2	27	90	41	264
	2019	163	2	26	93	42	263
	2020	140	1	24	72	42	222
Malta	2017	21	0	2	9	9	43
	2018	22	0	2	10	9	44
	2019	23	1	2	10	10	46
	2020	21	0	2	9	9	40
Montenegro	2017	32	2	6	10	15	51
	2018	32	2	6	11	14	51
	2019	34	2	6	11	15	53
	2020	30	1	6	10	14	48
Netherlands	2017	2,463	573	585	456	849	143
	2018	2,444	540	577	468	859	141
	2019	2,379	508	562	465	843	137
	2020	2,324	545	561	400	818	133
North Macedonia	2017	85	3	14	30	37	40
	2018	82	2	16	31	34	39
	2019	87	2	17	33	34	41
	2020	82	2	18	28	34	39

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	2017	886	104	254	210	318	168
	2018	890	105	260	204	321	167
	2019	893	107	260	207	319	167
	2020	863	102	262	193	306	161
Poland	2017	3,142	257	668	913	1,305	82
	2018	3,302	242	688	953	1,418	86
	2019	3,260	239	695	973	1,353	85
	2020	3,193	248	675	930	1,340	83
Portugal	2017	694	51	190	245	208	67
	2018	683	31	191	247	214	66
	2019	709	49	193	253	213	69
	2020	658	48	189	212	209	64
Republic of Moldova	2017	110	2	9	29	71	35
	2018	118	3	11	30	75	38
	2019	112	2	10	30	70	36
	2020	109	3	9	28	68	35
Romania	2017	996	47	251	264	433	51
	2018	1,017	45	260	271	440	52
	2019	1,034	51	262	283	438	53
	2020	1,032	58	253	278	442	53
Russian Federation	2017	19,825	2,908	5,610	4,034	7,273	136
	2018	21,464	3,539	5,487	4,254	8,184	147
	2019	22,293	3,459	6,518	4,177	8,139	153
	2020	21,650	3,669	6,410	3,810	7,761	149
Serbia	2017	383	36	93	88	166	51
	2018	380	31	97	90	162	51
	2019	377	29	89	97	161	51
	2020	393	30	83	92	187	53
Slovakia	2017	467	46	148	119	154	86
	2018	476	53	158	118	147	87
	2019	477	42	149	120	166	88
	2020	459	51	136	108	165	84
Slovenia	2017	213	6	54	82	71	101
	2018	214	7	55	84	68	101
	2019	210	7	55	82	66	100
	2020	191	6	53	68	65	90
Spain	2017	3,537	206	857	1,338	1,135	76
	2018	3,625	218	863	1,374	1,170	77
	2019	3,620	224	863	1,391	1,142	77
	2020	3,250	243	789	1,105	1,113	69
Sweden	2017	1,400	104	468	310	518	139
	2018	1,374	91	467	303	513	135
	2019	1,363	96	464	299	504	133
	2020	1,336	72	488	281	495	129
Switzerland	2017	785	19	150	239	376	93
	2018	764	19	145	242	358	90
	2019	764	18	144	242	360	89
	2020	725	18	139	222	345	84
Ukraine	2017	2,122	104	639	416	963	48
	2018	2,195	111	699	415	970	49
	2019	2,111	115	682	433	880	48
	2020	2,013	154	675	338	845	46

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	2017	5,338	337	915	1,769	2,316	81
	2018	5,359	320	925	1,766	2,349	81
	2019	5,254	301	898	1,759	2,296	79
	2020	4,811	274	844	1,413	2,280	72
Latin America & Carib.	2017	25,794	1,557	7,747	9,811	6,681	41
	2018	25,159	1,426	7,346	9,621	6,767	39
	2019	25,155	1,485	7,201	9,734	6,735	39
	2020	23,131	1,285	6,970	8,343	6,533	36
Anguilla	2017	*1	..	..	*1	*1	*87
	2018	*1	..	..	*1	*1	*87
	2019	*1	..	..	*1	*1	*91
	2020	*1	..	..	*1	*1	*84
Antigua and Barbuda	2017	*5	0	0	*3	*2	*60
	2018	*6	0	0	*3	*2	*63
	2019	*6	0	0	*3	*3	*66
	2020	*6	0	0	*3	*3	*64
Argentina	2017	2,439	136	525	857	920	55
	2018	2,348	130	529	800	889	53
	2019	2,329	132	540	794	863	52
	2020	2,214	122	516	739	837	49
Aruba	2017	*7	0	..	*3	*3	*64
	2018	*7	0	..	*3	*3	*65
	2019	*7	0	..	*3	*4	*62
	2020	*6	0	..	*3	*4	*61
Bahamas	2017	*25	0	*10	*7	*8	*64
	2018	*24	0	*9	*8	*8	*61
	2019	*25	0	*8	*8	*8	*62
	2020	*21	0	*8	*6	*7	*52
Barbados	2017	18	..	7	6	5	64
	2018	17	..	7	6	4	60
	2019	19	..	8	6	4	66
	2020	13	..	5	5	4	47
Belize	2017	14	0	3	7	4	37
	2018	13	0	3	6	4	34
	2019	14	0	3	7	4	36
	2020	12	0	2	6	3	30
Bolivia (Plur. State of)	2017	292	6	75	148	62	25
	2018	306	12	74	154	65	26
	2019	307	12	71	157	66	26
	2020	259	2	66	127	64	22
Bonaire, St Eustatius, Saba	2017	*1	0	0	0	0	*40
	2018	*1	0	0	0	0	*40
	2019	*1	0	0	0	0	*40
	2020	*1	0	0	0	0	*38
Brazil	2017	9,912	602	3,424	3,738	2,149	48
	2018	9,736	560	3,280	3,687	2,209	46
	2019	9,823	564	3,202	3,808	2,250	46
	2020	9,599	485	3,298	3,564	2,252	45
British Virgin Islands	2017	*1	..	0	*1	1	*50
	2018	*1	..	0	*1	*1	*45
	2019	*1	..	0	*1	*1	*46
	2020	*1	..	0	*1	*1	*44

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	
Cayman Islands	2017	5	0	1	2	1	80
	2018	5	0	1	3	1	85
	2019	6	0	1	3	2	91
	2020	5	0	1	3	2	81
Chile	2017	1,121	23	421	380	296	61
	2018	1,172	31	442	393	306	63
	2019	1,180	36	441	400	304	62
	2020	1,125	42	430	354	299	58
Colombia	2017	1,301	66	317	547	371	27
	2018	1,303	41	307	570	385	26
	2019	1,232	81	265	491	394	25
	2020	1,137	42	270	423	402	22
Costa Rica	2017	160	5	37	81	37	32
	2018	159	5	35	82	37	32
	2019	159	5	32	83	40	31
	2020	145	4	34	69	39	28
Cuba	2017	243	4	128	19	91	21
	2018	239	5	130	16	89	21
	2019	247	4	138	17	88	22
	2020	192	3	97	10	82	17
Curaçao	2017	35	5	7	18	4	206
	2018	35	5	7	18	4	188
	2019	34	5	7	17	4	175
	2020	28	4	6	14	4	148
Dominica	2017	*2	0	0	*1	*1	*23
	2018	*2	0	0	*1	*1	*25
	2019	*2	0	0	*1	*1	*23
	2020	*2	0	0	*1	*1	*21
Dominican Republic	2017	255	13	65	95	82	24
	2018	263	14	61	103	84	24
	2019	291	17	76	109	89	27
	2020	262	11	67	100	84	24
Ecuador	2017	473	..	83	248	142	28
	2018	492	..	90	251	152	29
	2019	496	..	87	255	155	29
	2020	439	..	86	208	146	25
El Salvador	2017	98	1	23	47	28	16
	2018	104	1	24	50	30	17
	2019	115	1	27	54	33	18
	2020	100	1	23	47	30	16
Falkland Is. (Malvinas)	2017	0	..	0	0	0	128
	2018	0	..	0	0	0	130
	2019	0	..	0	0	0	133
	2020	1	..	0	0	0	136
Grenada	2017	3	..	0	1	2	25
	2018	3	..	0	1	2	27
	2019	4	..	0	2	2	29
	2020	3	..	0	1	2	25
Guatemala	2017	*433	1	43	115	*273	*26
	2018	*441	3	39	119	*280	*26
	2019	*471	4	50	132	*286	*28
	2020	*467	2	49	121	*294	*27

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	
Guyana	2017	29	0	7	10	11	38
	2018	29	0	6	11	12	37
	2019	31	*1	5	12	13	38
	2020	30	0	5	12	12	38
Haiti	2017	139	0	12	20	106	13
	2018	141	1	12	20	108	13
	2019	143	0	13	20	110	13
	2020	139	2	12	20	106	12
Honduras	2017	193	0	52	64	76	20
	2018	172	0	30	64	78	18
	2019	180	1	31	68	80	18
	2020	160	0	25	56	80	16
Jamaica	2017	78	2	29	29	18	28
	2018	96	0	45	35	16	34
	2019	96	0	35	45	16	34
	2020	76	0	21	37	17	27
Mexico	2017	5,135	211	1,595	2,142	1,188	42
	2018	4,798	185	1,335	2,086	1,192	39
	2019	4,870	171	1,407	2,125	1,167	39
	2020	4,023	186	1,290	1,508	1,039	32
Montserrat	2017	0	0	0	0	0	*51
	2018	0	0	0	0	0	*63
	2019	0	0	0	0	0	*50
	2020	0	0	0	0	0	*47
Nicaragua	2017	*111	1	15	33	*62	*17
	2018	*109	1	15	31	*63	*17
	2019	*109	2	14	30	*63	*16
	2020	*109	1	14	30	*64	*16
Panama	2017	155	..	36	70	49	38
	2018	154	..	34	69	51	37
	2019	160	..	34	72	54	38
	2020	133	..	24	57	52	31
Paraguay	2017	273	2	75	113	83	43
	2018	283	2	78	120	83	44
	2019	280	2	76	118	83	43
	2020	267	2	75	106	84	40
Peru	2017	805	13	213	380	199	25
	2018	805	12	232	357	204	25
	2019	837	12	243	374	207	25
	2020	704	5	199	293	207	21
Puerto Rico	2017	49	..	6	..	43	14
	2018	59	..	8	..	51	18
	2019	58	..	7	..	51	18
	2020	58	..	7	..	51	18
Sint Maarten (Dutch part)	2017	*9	*1	*2	*5	*1	*225
	2018	*9	*1	*2	*5	*1	*216
	2019	*9	*1	*2	*5	*1	*213
	2020	*9	*1	*2	*5	*1	*204
St. Kitts-Nevis	2017	*2	0	0	*1	*1	*40
	2018	*2	0	0	*1	*1	*41
	2019	*2	0	0	*1	*1	*42
	2020	*2	0	0	*1	*1	*39

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	
St. Lucia	2017	6	0	0	3	2	32
	2018	6	0	0	3	2	31
	2019	6	0	0	3	2	31
	2020	*5	0	0	*3	2	*30
St. Vincent-Grenadines	2017	*2	0	0	*1	1	*23
	2018	*3	0	0	*2	1	*27
	2019	*3	0	0	*2	1	*24
	2020	*3	0	0	*2	1	*26
Suriname	2017	*26	0	3	9	*14	*44
	2018	25	0	3	9	13	41
	2019	*29	0	3	9	*16	*47
	2020	*28	0	3	8	*17	*46
Trinidad and Tobago	2017	495	380	54	42	19	335
	2018	489	385	51	35	18	325
	2019	516	407	52	39	18	340
	2020	449	350	47	32	19	296
Turks and Caicos Islands	2017	*3	0	..	*2	1	*87
	2018	*3	0	..	*2	1	*79
	2019	*3	0	..	*2	*1	*76
	2020	*3	0	..	*2	*1	*72
United States Virgin Is.	2017	*2	..	*1	..	*1	*18
	2018	*2	..	*1	..	*1	*19
	2019	*2	..	*1	..	*1	*20
	2020	*2	..	*1	..	*1	*20
Uruguay	2017	203	4	85	56	59	59
	2018	203	5	86	51	61	59
	2019	205	5	87	55	58	60
	2020	200	4	86	52	58	58
Venezuela (Bolivar. Rep.)	2017	1,232	77	387	503	265	40
	2018	1,092	24	371	444	254	37
	2019	848	21	234	404	190	29
	2020	691	13	199	315	163	24
Northern America	2017	72,451	6,869	12,924	29,355	23,303	198
	2018	75,620	7,001	13,506	29,987	25,126	205
	2019	75,430	7,458	13,233	29,829	24,910	203
	2020	69,387	6,723	12,983	25,723	23,957	186
Bermuda	2017	5	0	0	*2	3	75
	2018	*6	0	0	*2	*4	*91
	2019	5	0	0	*1	4	80
	2020	4	0	0	*1	3	60
Canada	2017	8,429	880	1,964	2,790	2,794	231
	2018	8,659	854	1,980	2,890	2,935	234
	2019	8,644	956	2,004	2,763	2,921	230
	2020	7,973	872	1,882	2,398	2,822	210
Greenland	2017	8	0	1	2	6	145
	2018	8	0	*1	2	6	151
	2019	9	0	*1	2	6	154
	2020	9	0	*1	2	6	152
St. Pierre-Miquelon	2017	*1	..	..	0	0	*100
	2018	*1	..	..	0	0	*87
	2019	*1	..	..	0	0	*103
	2020	*1	..	..	0	0	*96

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 States	2017	64,009	5,990	10,959	26,560	20,500	194
	2018	66,946	6,147	11,525	27,093	22,180	202
	2019	66,771	6,502	11,229	27,062	21,978	200
	2020	61,400	5,851	11,100	23,323	21,126	183
Oceania	2017	4,280	287	1,192	1,673	1,129	102
	2018	4,338	288	1,207	1,709	1,133	102
	2019	4,337	291	1,202	1,713	1,131	100
	2020	4,171	283	1,175	1,580	1,133	95
American Samoa	2017	*3	0	*1	*1	*1	*64
	2018	*3	0	*1	*1	*1	*65
	2019	*3	0	*1	*1	*1	*66
	2020	*3	0	*1	*1	*1	*69
Australia	2017	3,436	217	956	1,387	877	140
	2018	3,498	225	971	1,419	883	140
	2019	3,467	217	953	1,420	877	137
	2020	3,365	221	944	1,325	873	131
Cook Islands	2017	*1	..	..	*1	0	*56
	2018	*1	..	..	*1	0	*58
	2019	*1	..	..	*1	0	*60
	2020	*1	..	..	*1	0	*48
Fiji	2017	*22	0	*8	*9	4	*24
	2018	*23	0	*8	*10	4	*25
	2019	*23	0	*8	*10	4	*25
	2020	*18	0	*7	*7	4	*19
French Polynesia	2017	10	0	..	7	3	35
	2018	10	0	..	7	3	35
	2019	10	0	..	7	3	35
	2020	10	0	..	6	3	33
Guam	2017	6	..	..	..	6	35
	2018	6	..	..	..	6	34
	2019	6	..	..	..	6	34
	2020	6	..	..	..	6	33
Kiribati	2017	*1	0	0	0	*1	*11
	2018	*1	0	0	0	*1	*11
	2019	*1	0	0	0	*1	*11
	2020	*1	0	0	0	*1	*11
Marshall Islands	2017	*2	..	0	*1	0	*35
	2018	*2	..	0	*1	0	*36
	2019	*2	..	0	*1	0	*37
	2020	*2	..	0	*1	0	*38
Micronesia (Fed. States of)	2017	*1	0	0	*1	0	*13
	2018	*1	0	0	*1	0	*13
	2019	*1	0	0	*1	0	*13
	2020	*1	0	0	*1	0	*13
Nauru	2017	*1	0	0	0	0	*43
	2018	*1	0	0	0	0	*42
	2019	*1	0	0	0	0	*42
	2020	*1	0	0	0	0	*42
New Caledonia	2017	42	7	22	9	3	148
	2018	44	7	24	9	3	153
	2019	43	7	23	9	3	149
	2020	40	6	22	9	3	138

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	2017	599	62	170	219	148	126
	2018	589	55	165	224	145	122
	2019	617	66	177	226	148	124
	2020	565	55	162	193	154	112
Niue	2017	0	..	0	0	0	*40
	2018	0	..	0	0	0	*40
	2019	0	..	0	0	0	*41
	2020	0	..	0	0	0	*41
Northern Mariana Islands	2017	*4	..	..	*3	*1	*79
	2018	*4	..	..	*2	*1	*74
	2019	*4	..	..	*2	*1	*75
	2020	*3	..	..	*2	*1	*53
Palau	2017	*2	0	0	*2	0	*129
	2018	2	0	0	2	0	129
	2019	*2	0	0	*2	0	*132
	2020	*2	0	0	*2	0	*127
Papua New Guinea	2017	*134	..	34	24	*76	*15
	2018	*137	..	38	23	*76	*15
	2019	*139	..	39	23	*77	*15
	2020	*138	..	39	22	*78	*14
Samoa	2017	*5	0	0	*2	*2	*22
	2018	*5	0	0	*2	*2	*22
	2019	*5	0	0	*2	*2	*24
	2020	*5	0	0	*2	*2	*21
Solomon Islands	2017	*7	0	0	*3	*4	*10
	2018	*7	0	0	*3	*4	*10
	2019	*7	0	0	*3	*4	*10
	2020	*7	0	0	*3	*4	*10
Tonga	2017	*2	0	..	*1	0	*14
	2018	*1	0	..	*1	0	*14
	2019	*2	0	..	*2	0	*18
	2020	2	0	..	2	0	21
Tuvalu	2017	0	..	..	0	0	*8
	2018	0	..	..	0	0	*8
	2019	0	..	..	0	0	*8
	2020	0	..	..	0	0	*8
Vanuatu	2017	*2	0	0	*1	*1	*8
	2018	*3	0	0	*2	*1	*10
	2019	*3	0	0	*2	*1	*9
	2020	*3	0	0	*2	*1	*11
Wallis and Futuna Is.	2017	0	..	..	0	0	*20
	2018	0	..	..	0	0	*20
	2019	0	..	..	0	0	*21
	2020	0	..	..	0	0	*22

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, 1990-2020

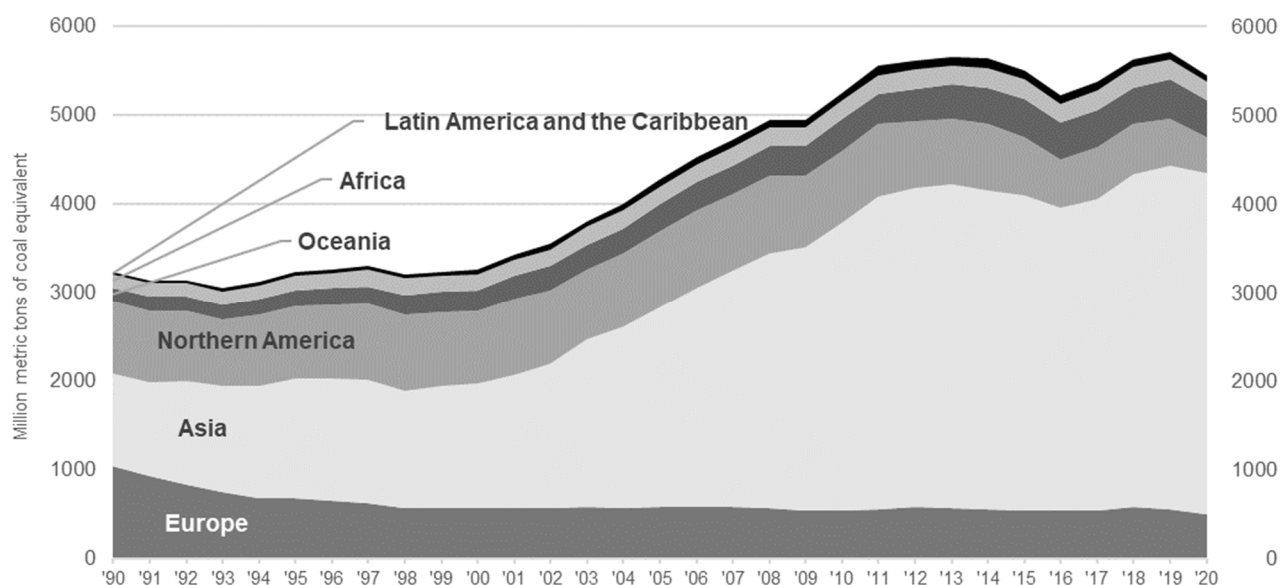


Table 4

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	2017	5,373,727	1,163,021	1,246,967	-79,443	5,369,225	706
	2018	5,630,485	1,197,379	1,322,043	13,926	5,491,895	715
	2019	5,714,717	1,211,240	1,286,450	106,247	5,533,260	713
	2020	5,438,092	1,096,492	1,210,539	-179	5,324,225	679
Africa	2017	220,904	16,017	83,831	-4,039	157,128	124
	2018	228,028	21,156	90,832	2,280	156,072	121
	2019	223,314	21,652	74,087	-403	171,282	129
	2020	211,076	16,299	66,358	26	160,991	118
Algeria	2017	..	290	..	-30	319	8
	2018	..	493	..	-42	535	13
	2019	..	428	..	-12	440	10
	2020	..	201	..	0	201	5
Benin	2017	..	67	..	..	67	6
	2018	..	105	..	105	0	0
	2019	..	90	..	..	90	7
	2020	..	97	..	..	97	8
Botswana	2017	1,787	..	184	..	1,603	667
	2018	1,999	..	255	..	1,743	711
	2019	1,700	..	245	..	1,455	582
	2020	1,520	..	416	..	1,104	433
Burundi	2017	7	1	..	..	8	1
	2018	6	0	..	..	6	1
	2019	8	9	..	..	17	1
	2020	5	4	..	..	9	1
Egypt	2017	..	2,595	*143	..	2,452	24
	2018	..	4,863	..	-39	4,902	47
	2019	..	3,972	156	..	3,816	36
	2020	..	2,053	17	..	2,036	19
Eswatini	2017	160	54	160	..	54	47
	2018	114	54	114	..	54	46
	2019	103	67	103	..	67	57
	2020	*101	*66	*101	..	*66	*56
Ethiopia	2017	2	511	..	..	512	5
	2018	2	368	..	..	370	3
	2019	2	398	..	..	400	4
	2020	3	678	..	..	682	6
Kenya	2017	..	408	..	..	408	8
	2018	..	610	..	..	610	12
	2019	..	539	..	..	539	11
	2020	..	724	..	..	724	14
Lesotho	2017	..	*616	..	..	*616	*284
	2018	..	*558	..	..	*558	*254
	2019	..	*555	..	..	*555	*249
	2020	..	*510	..	..	*510	*226
Madagascar	2017	..	483	..	..	483	18
	2018	..	420	..	..	420	16
	2019	..	473	..	..	473	17
	2020	..	*463	..	..	*463	*16
Malawi	2017	40	34	8	..	65	4
	2018	44	42	8	..	77	4
	2019	48	32	1	..	79	4
	2020	48	25	0	..	73	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	2017	..	1,267	..	594	673	520
	2018	..	1,136	..	497	639	493
	2019	..	1,039	..	451	588	454
	2020	..	1,053	..	468	585	451
Morocco	2017	..	6,420	..	59	6,361	176
	2018	..	7,976	..	619	7,357	202
	2019	..	9,535	..	14	9,522	258
	2020	..	9,396	..	-161	9,557	257
Mozambique	2017	10,772	..	15,956	-5,193	9	0
	2018	14,719	..	14,220	476	24	1
	2019	9,928	..	9,968	-58	17	1
	2020	6,820	..	6,501	291	29	1
Namibia	2017	..	33	..	..	33	14
	2018	..	17	..	7	10	4
	2019	..	26	..	5	22	9
	2020	..	28	..	..	28	11
Niger	2017	127	..	..	..	127	6
	2018	122	..	..	..	122	5
	2019	123	..	..	..	123	5
	2020	135	..	..	..	135	6
Nigeria	2017	45	..	..	..	45	0
	2018	42	..	..	..	42	0
	2019	48	..	..	..	48	0
	2020	38	..	..	..	38	0
Rwanda	2017	*3	..	..	..	*3	0
	2018	*5	..	..	..	*5	0
	2019	*7	..	..	..	*7	*1
	2020	*4	..	..	..	*4	0
Senegal	2017	..	542	..	..	542	36
	2018	..	852	..	..	852	55
	2019	..	787	..	..	787	49
	2020	..	509	..	..	509	31
South Africa	2017	204,095	2,587	67,262	..	139,420	2,461
	2018	206,349	3,560	76,054	..	133,855	2,334
	2019	208,402	3,626	63,405	..	148,624	2,559
	2020	199,466	444	58,975	..	140,935	2,397
United Rep. of Tanzania	2017	496	..	..	..	496	9
	2018	553	..	..	..	553	10
	2019	627	..	..	..	627	10
	2020	607	..	..	..	607	10
Zambia	2017	672	*50	*2	..	720	42
	2018	990	*50	*2	..	1,038	58
	2019	840	*50	*2	..	888	48
	2020	928	*49	*2	..	975	52
Zimbabwe	2017	2,697	60	115	530	2,112	143
	2018	3,083	52	179	657	2,299	153
	2019	1,477	25	207	-803	2,099	137
	2020	1,399	0	346	-572	1,625	104
Asia	2017	3,512,805	873,265	417,539	-49,403	4,017,935	883
	2018	3,746,520	909,029	451,095	37,122	4,167,333	908
	2019	3,876,373	951,242	454,171	55,313	4,318,132	933
	2020	3,846,040	893,636	423,400	36,647	4,279,630	918

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
Afghanistan	2017	1,929	*195	957	..	1,167	33
	2018	2,152	*195	1,048	..	1,300	35
	2019	1,883	*195	744	..	1,334	35
	2020	*1,602	*200	*319	..	*1,484	*38
Armenia	2017	..	1	..	..	1	0
	2018	..	2	..	..	2	1
	2019	..	4	..	..	4	1
	2020	..	11	..	..	11	4
Azerbaijan	2017	..	2	..	0	2	0
	2018	..	1	..	..	1	0
	2019	..	1	..	0	1	0
	2020	..	*1	..	..	*1	0
Bangladesh	2017	829	1,866	..	..	2,695	17
	2018	659	2,424	..	..	3,083	19
	2019	659	4,996	..	..	5,655	34
	2020	579	2,694	..	..	3,273	20
Bhutan	2017	142	..	17	..	126	166
	2018	164	..	24	..	141	185
	2019	163	..	23	..	140	183
	2020	64	..	0	..	64	83
Brunei Darussalam	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	219	..	..	219	501
	2020	..	771	..	..	771	1,746
Cambodia	2017	17	1,279	..	..	1,296	82
	2018	26	1,204	..	..	1,230	77
	2019	31	1,464	..	..	1,496	92
	2020	37	1,543	..	..	1,580	96
China	2017	2,496,752	169,202	13,579	-47,675	2,700,050	1,915
	2018	2,622,819	171,719	12,957	23,843	2,757,738	1,946
	2019	2,721,262	186,142	10,587	61,496	2,835,321	1,994
	2020	2,747,172	191,190	5,630	38,297	2,894,434	2,031
China, Hong Kong SAR	2017	..	9,450	..	490	8,960	1,201
	2018	..	9,793	..	592	9,201	1,230
	2019	..	9,028	..	217	8,812	1,175
	2020	..	4,935	..	243	4,692	626
Cyprus	2017	..	15	..	10	4	4
	2018	..	19	..	0	20	16
	2019	..	29	..	4	24	20
	2020	..	21	..	1	20	16
Georgia	2017	156	289	14	0	430	114
	2018	81	406	3	32	452	120
	2019	10	386	2	27	367	97
	2020	59	270	2	5	322	86
India	2017	385,495	193,663	930	-8,617	586,845	433
	2018	412,754	220,142	755	2,907	629,234	460
	2019	410,951	229,249	621	-12,873	652,452	472
	2020	395,677	189,030	1,651	-14,676	597,732	428
Indonesia	2017	407,258	4,949	344,127	259	67,822	256
	2018	485,069	5,704	379,789	-862	111,846	419
	2019	514,671	7,096	383,650	3,220	134,897	500
	2020	488,534	9,483	359,382	10,315	128,320	472

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
Iran (Islamic Rep. of)	2017	1,452	440	114	1	1,777	21
	2018	1,634	612	566	-2	1,682	20
	2019	1,446	491	532	-2	1,408	16
	2020	1,472	391	460	-2	1,405	16
Israel	2017	61	7,240	..	202	7,099	854
	2018	56	6,557	..	-220	6,833	808
	2019	55	7,118	..	384	6,788	789
	2020	53	6,531	..	140	6,444	736
Japan	2017	1,105	170,090	1,229	-79	170,046	1,343
	2018	764	168,184	1,456	62	167,430	1,326
	2019	614	165,738	1,591	-33	164,794	1,310
	2020	597	148,431	3,210	6	145,813	1,164
Jordan	2017	..	275	..	-3	278	27
	2018	..	327	..	34	293	28
	2019	..	299	..	..	299	28
	2020	..	294	..	..	294	27
Kazakhstan	2017	71,376	876	18,635	-1,669	55,286	3,019
	2018	69,537	1,189	17,288	-212	53,649	2,894
	2019	64,165	1,250	15,634	460	49,322	2,630
	2020	63,305	1,217	17,933	-215	46,803	2,466
Korea, Dem.Ppl's.Rep.	2017	18,994	794	2,414	..	17,374	681
	2018	15,856	128	..	..	15,984	623
	2019	17,724	124	..	..	17,848	693
	2020	16,662	112	..	..	16,774	648
Korea, Republic of	2017	983	116,667	..	-198	117,848	2,288
	2018	754	114,014	..	-222	114,989	2,225
	2019	718	114,377	..	563	114,533	2,211
	2020	674	104,152	..	-1,011	105,838	2,041
Kyrgyzstan	2017	969	648	268	97	1,251	204
	2018	1,241	585	433	-91	1,484	238
	2019	1,347	355	584	-38	1,156	183
	2020	1,408	353	573	29	1,159	180
Lao People's Dem. Rep.	2017	5,070	..	77	-411	5,404	772
	2018	5,351	..	136	*-349	5,564	783
	2019	5,158	..	*181	*-149	5,126	711
	2020	5,003	..	*170	*-224	5,056	691
Lebanon	2017	..	*236	..	..	*236	*39
	2018	..	*236	..	..	*236	*40
	2019	..	*236	..	..	*236	*41
	2020	..	*236	..	..	*236	*42
Malaysia	2017	2,692	27,401	547	-82	29,628	927
	2018	2,389	29,633	0	305	31,717	979
	2019	2,493	29,760	191	..	32,061	977
	2020	2,939	28,035	4	..	30,970	933
Mongolia	2017	43,242	2	27,750	4,289	11,205	3,619
	2018	46,279	2	30,619	364	15,298	4,835
	2019	46,670	53	31,124	..	15,599	4,826
	2020	38,928	4	27,173	..	11,760	3,570
Myanmar	2017	585	..	0	..	585	11
	2018	1,225	..	..	..	1,225	23
	2019	1,482	..	..	..	1,482	28
	2020	1,630	..	..	..	1,630	31

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
Nepal	2017	20	1,109	..	..	1,129	40
	2018	22	1,613	..	..	1,635	57
	2019	23	1,268	..	..	1,291	45
	2020	23	1,716	..	..	1,739	59
Other Asia	2017	..	59,969	45	208	59,716	2,523
	2018	..	55,528	25	-729	56,232	2,370
	2019	..	56,962	20	1,146	55,796	2,347
	2020	..	53,415	118	1,346	51,951	2,181
Pakistan	2017	2,538	12,908	..	..	15,445	71
	2018	2,874	14,796	..	..	17,670	80
	2019	3,470	15,490	..	..	18,961	85
	2020	5,580	15,418	..	..	20,998	92
Philippines	2017	8,997	17,003	4,636	-956	22,320	209
	2018	8,864	19,979	3,797	1,541	23,505	216
	2019	10,369	21,080	7,525	-1,250	25,174	228
	2020	9,765	22,511	5,674	1,286	25,316	226
Saudi Arabia	2017	..	197	2	..	195	6
	2018	..	173	0	..	173	5
	2019	..	182	1	..	181	5
	2020	..	159	0	..	159	4
Singapore	2017	..	1,284	1	..	1,283	223
	2018	..	683	1	..	682	117
	2019	..	654	0	..	654	112
	2020	..	619	0	..	619	105
Sri Lanka	2017	..	2,527	..	*370	2,157	100
	2018	..	2,166	..	82	2,084	97
	2019	..	2,389	..	164	2,224	103
	2020	..	2,544	..	-129	2,673	123
Syrian Arab Republic	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	1	..	..	1	0
Tajikistan	2017	1,113	4	3	..	1,114	125
	2018	1,206	5	27	..	1,183	130
	2019	1,283	17	12	..	1,289	138
	2020	1,304	18	34	..	1,288	135
Thailand	2017	5,864	21,101	41	3,512	23,412	330
	2018	5,357	23,276	76	5,939	22,619	318
	2019	5,046	20,394	53	2,045	23,342	327
	2020	4,733	21,433	57	*4,027	22,083	309
Türkiye	2017	22,403	35,587	204	435	57,351	699
	2018	23,637	34,970	184	-45	58,468	706
	2019	24,898	34,726	183	-514	59,955	718
	2020	21,437	36,410	268	400	57,178	680
United Arab Emirates	2017	..	3,042	1	..	3,041	335
	2018	..	2,744	0	..	2,743	300
	2019	..	2,539	1	..	2,539	276
	2020	..	3,048	1	..	3,048	328
Uzbekistan	2017	2,036	481	0	87	2,430	76
	2018	2,111	757	0	-648	3,517	108
	2019	2,056	852	0	-118	3,025	92
	2020	2,102	1,660	1	-437	4,198	125

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
Viet Nam	2017	30,727	12,372	1,950	329	40,820	434
	2018	33,637	19,159	1,911	*4,800	46,086	486
	2019	37,726	35,971	914	564	72,219	754
	2020	34,700	44,684	738	-2,753	81,398	842
Yemen	2017	..	102	..	..	102	3
	2018	..	103	..	..	103	3
	2019	..	104	..	..	104	3
	2020	..	95	..	..	95	3
Europe	2017	543,603	212,727	190,050	3,521	562,759	754
	2018	582,438	207,792	222,999	6,288	560,943	750
	2019	554,445	178,042	213,248	13,140	506,098	676
	2020	496,038	137,479	207,647	-13,348	439,217	587
Albania	2017	32	92	21	..	103	36
	2018	68	111	1	..	177	62
	2019	22	100	..	..	122	42
	2020	99	116	..	..	215	75
Andorra	2017	..	0	..	..	0	*1
	2018	..	0	..	..	0	*1
	2019	..	0	..	..	0	*1
	2020	..	0	..	..	0	*1
Austria	2017	..	4,480	40	-4	4,444	505
	2018	..	3,874	42	-98	3,930	445
	2019	..	3,932	36	-137	4,033	454
	2020	..	3,491	28	-80	3,542	398
Belarus	2017	654	694	176	-44	1,216	125
	2018	777	1,392	746	181	1,242	128
	2019	767	3,430	2,773	110	1,314	136
	2020	533	1,940	1,347	-89	1,216	126
Belgium	2017	56	4,212	105	-205	4,368	384
	2018	76	4,616	76	234	4,382	383
	2019	79	4,534	126	142	4,345	377
	2020	74	3,595	227	117	3,324	288
Bosnia and Herzegovina	2017	5,160	1,442	386	232	5,984	1,739
	2018	5,227	1,520	621	83	6,043	1,777
	2019	4,861	1,606	502	382	5,583	1,661
	2020	4,755	1,295	412	-86	5,724	1,725
Bulgaria	2017	8,135	832	5	193	8,768	1,221
	2018	7,535	842	10	260	8,107	1,139
	2019	6,971	573	12	-10	7,542	1,069
	2020	5,555	581	7	19	6,110	876
Croatia	2017	..	565	..	4	560	134
	2018	..	478	..	-44	522	125
	2019	..	641	..	40	602	146
	2020	..	547	..	31	516	126
Czechia	2017	21,832	4,222	3,308	-112	22,857	2,170
	2018	20,999	4,151	2,843	-254	22,560	2,142
	2019	19,194	4,068	2,283	610	20,368	1,933
	2020	14,584	3,917	1,602	-509	17,408	1,653
Denmark	2017	..	2,564	0	351	2,212	386
	2018	..	2,520	15	51	2,453	425
	2019	..	1,957	37	665	1,254	216
	2020	..	920	159	-254	1,015	174

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
Estonia	2017	5,935	34	29	-131	6,071	4,608
	2018	6,885	33	13	139	6,766	5,117
	2019	4,995	41	20	186	4,830	3,640
	2020	3,591	3	18	-3	3,579	2,692
Finland	2017	1,044	3,872	135	-1,143	5,923	1,075
	2018	2,588	4,077	105	552	6,008	1,089
	2019	1,499	3,251	200	-465	5,014	908
	2020	826	2,581	132	-857	4,131	747
France	2017	..	14,453	5	305	14,142	213
	2018	..	13,234	48	128	13,058	196
	2019	..	10,430	6	-78	10,502	157
	2020	..	7,302	12	-292	7,582	113
Germany	2017	56,346	48,289	2,112	608	101,915	1,233
	2018	53,737	43,257	2,082	-3,546	98,459	1,188
	2019	40,598	40,254	2,132	-1,871	80,590	969
	2020	33,410	30,128	2,012	-2,131	63,658	764
Greece	2017	6,525	327	..	-29	6,881	644
	2018	6,107	335	..	-78	6,520	613
	2019	4,411	290	..	135	4,566	432
	2020	2,329	267	0	-20	2,616	249
Hungary	2017	1,833	1,800	376	43	3,214	328
	2018	1,816	1,796	303	77	3,232	331
	2019	1,419	1,524	318	-16	2,641	270
	2020	1,332	1,318	258	-23	2,416	248
Iceland	2017	..	139	..	..	139	405
	2018	..	161	..	..	161	456
	2019	..	152	..	..	152	421
	2020	..	133	..	..	133	362
Ireland	2017	1,063	1,804	15	209	2,643	554
	2018	1,145	1,251	5	327	2,064	427
	2019	558	382	4	-560	1,496	305
	2020	182	384	4	-912	1,474	298
Italy	2017	..	13,706	338	36	13,332	222
	2018	..	12,683	357	131	12,196	204
	2019	..	9,411	283	-130	9,258	155
	2020	..	7,070	295	-517	7,292	122
Kosovo	2017	2,016	4	4	-9	2,026	1,170
	2018	2,039	3	2	-8	2,049	1,198
	2019	2,146	3	7	-7	2,149	1,274
	2020	2,231	9	2	33	2,205	1,320
Latvia	2017	1	56	5	-7	59	30
	2018	2	67	9	-8	68	35
	2019	3	66	4	7	58	30
	2020	0	33	4	-5	34	18
Lithuania	2017	10	271	2	5	274	94
	2018	11	269	1	-12	291	101
	2019	12	281	1	18	274	96
	2020	7	182	0	-25	213	76
Luxembourg	2017	..	65	..	-3	67	113
	2018	..	60	..	1	60	98
	2019	..	61	..	-5	65	105
	2020	..	62	..	7	55	87

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
Montenegro	2017	464	2	30	..	435	687
	2018	523	2	31	-21	515	816
	2019	566	2	39	2	526	835
	2020	572	2	28	-1	547	870
Netherlands	2017	..	13,388	108	91	13,189	766
	2018	..	11,844	33	-15	11,826	684
	2019	..	9,453	73	201	9,180	529
	2020	..	5,665	264	-476	5,876	337
North Macedonia	2017	1,218	130	0	-33	1,381	654
	2018	1,143	168	1	75	1,235	585
	2019	1,229	175	0	-64	1,468	694
	2020	1,128	115	0	-6	1,250	592
Norway	2017	126	1,148	72	-9	1,211	229
	2018	144	1,120	108	-20	1,176	221
	2019	116	1,111	76	7	1,145	214
	2020	66	1,129	44	-27	1,177	219
Poland	2017	71,156	11,214	12,362	-1,740	71,749	1,862
	2018	68,685	16,161	10,685	2,869	71,292	1,851
	2019	63,729	14,384	9,827	4,694	63,591	1,652
	2020	57,457	11,054	10,130	-782	59,164	1,540
Portugal	2017	..	4,869	..	259	4,610	447
	2018	..	3,810	..	-42	3,852	374
	2019	..	2,186	..	396	1,790	174
	2020	..	16	85	-1,060	992	96
Republic of Moldova	2017	..	172	..	21	151	48
	2018	..	122	..	6	116	37
	2019	..	125	..	-14	138	45
	2020	..	110	..	2	108	35
Romania	2017	6,383	1,429	1	84	7,727	392
	2018	5,740	1,287	2	-194	7,220	368
	2019	5,611	1,562	0	101	7,071	362
	2020	3,703	1,118	1	-116	4,936	254
Russian Federation	2017	317,480	*24,602	168,843	7,695	165,544	1,138
	2018	361,269	*24,127	*203,710	6,648	175,039	1,202
	2019	360,965	*20,522	192,147	7,013	182,326	1,251
	2020	331,861	20,817	187,410	-2,695	167,963	1,153
Serbia	2017	10,309	980	23	16	11,250	1,507
	2018	9,442	1,114	22	-214	10,749	1,446
	2019	9,751	1,148	23	131	10,745	1,452
	2020	10,293	755	19	-223	11,253	1,529
Slovakia	2017	638	4,312	67	49	4,834	889
	2018	522	4,507	56	141	4,831	887
	2019	508	3,716	119	208	3,897	714
	2020	349	2,883	38	-103	3,296	604
Slovenia	2017	1,333	283	..	-6	1,622	773
	2018	1,288	306	..	-22	1,616	767
	2019	1,258	312	..	39	1,532	725
	2020	1,236	262	..	27	1,471	695
Spain	2017	1,611	15,931	299	-923	18,166	390
	2018	1,261	13,617	432	-1,371	15,817	338
	2019	..	7,907	1,398	-712	7,220	153
	2020	..	4,216	1,785	-1,847	4,278	90

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
Sweden	2017	161	2,826	29	29	2,929	291
	2018	228	2,932	9	11	3,141	309
	2019	154	2,813	47	81	2,839	277
	2020	84	2,146	22	11	2,197	212
Switzerland	2017	..	156	0	-1	157	19
	2018	..	115	0	-31	145	17
	2019	..	114	0	-16	130	15
	2020	..	114	0	-11	125	14
Ukraine	2017	19,481	18,561	711	573	36,759	823
	2018	20,801	19,723	78	141	40,304	907
	2019	20,652	18,912	64	2,138	37,362	845
	2020	18,208	15,780	59	1,727	32,203	733
United Kingdom	2017	2,601	8,801	443	-2,886	13,845	210
	2018	2,379	10,105	554	212	11,719	176
	2019	2,371	6,615	688	-83	8,381	126
	2020	1,571	5,424	1,241	-2,173	7,927	118
Latin America & Carib.	2017	98,460	45,879	98,506	-17,943	63,776	101
	2018	91,359	45,110	80,810	-6,589	62,249	97
	2019	94,412	44,937	73,367	2,961	63,021	98
	2020	59,288	36,606	69,697	-27,487	53,683	82
Argentina	2017	17	1,486	0	-110	1,613	37
	2018	51	1,666	2	72	1,642	37
	2019	88	955	50	186	807	18
	2020	17	1,475	..	..	1,492	33
Bahamas	2017	..	*1	..	..	*1	*4
	2018	..	*1	..	..	*1	*4
	2019	..	*1	..	..	*1	*3
	2020	..	*1	..	..	*1	*3
Bolivia (Plur. State of)	2017	..	8	..	..	8	1
	2018	..	7	..	..	7	1
	2019	..	8	..	..	8	1
	2020	..	8	..	..	8	1
Brazil	2017	2,759	21,563	..	204	24,118	116
	2018	2,757	21,539	..	758	23,539	112
	2019	3,090	19,056	..	75	22,070	104
	2020	2,978	16,641	..	-319	19,939	94
Chile	2017	1,403	9,559	579	-79	10,461	569
	2018	1,286	9,365	272	176	10,202	546
	2019	813	10,730	53	-201	11,690	614
	2020	273	9,062	131	-292	9,496	492
Colombia	2017	84,081	0	97,083	-18,538	5,536	114
	2018	78,263	0	79,746	-6,653	5,170	105
	2019	82,767	0	72,349	3,576	6,842	136
	2020	48,901	0	68,868	-26,291	6,324	124
Costa Rica	2017	..	6	..	..	6	1
	2018	..	0	..	..	0	0
	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	0
Cuba	2017	..	4	..	..	4	0
	2018	..	5	..	..	5	0
	2019	..	0	..	..	0	0
	2020	..	2	..	..	2	0

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
Dominican Republic	2017	..	1,105	..	-5	1,109	104
	2018	..	1,112	..	21	1,090	101
	2019	..	1,062	..	-20	1,083	100
	2020	..	1,061	..	-20	1,082	98
El Salvador	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	0	..	..	0	0
Falkland Is. (Malvinas)	2017	2	..	..	..	2	452
	2018	2	..	..	..	2	445
	2019	2	..	..	..	2	438
	2020	2	..	..	..	2	434
Guatemala	2017	..	1,609	..	135	1,475	89
	2018	..	1,780	..	39	1,741	103
	2019	..	2,504	..	805	1,700	99
	2020	..	1,085	..	-13	1,097	63
Guyana	2017	..	0	14	*-17	*3	*3
	2018	..	10	0	*2	9	11
	2019	..	30	..	*3	27	34
	2020	..	3	..	*-1	4	5
Honduras	2017	..	1	..	..	1	0
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
Jamaica	2017	..	85	..	12	72	26
	2018	..	93	..	17	77	27
	2019	..	77	..	-12	89	32
	2020	..	83	..	-14	97	34
Mexico	2017	9,401	9,819	99	1,010	18,111	147
	2018	8,593	8,924	48	-104	17,573	142
	2019	7,071	9,241	5	-540	16,847	135
	2020	6,276	6,070	3	-248	12,591	100
Panama	2017	..	77	..	..	77	19
	2018	..	193	..	..	193	46
	2019	..	789	..	..	789	187
	2020	..	849	..	..	849	198
Paraguay	2017	..	1	..	..	1	0
	2018	..	5	..	..	5	1
	2019	..	2	..	..	2	0
	2020	..	1	..	..	1	0
Peru	2017	278	552	326	-554	1,058	33
	2018	199	408	581	-917	944	29
	2019	170	480	591	-911	970	30
	2020	101	261	19	-288	632	19
Uruguay	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	2	..	..	2	1
Venezuela (Bolivar. Rep.)	2017	521	..	404	..	117	4
	2018	209	..	162	..	47	2
	2019	411	..	319	..	92	3
	2020	741	..	676	..	65	2

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
Northern America	2017	577,383	13,598	106,568	-15,925	500,338	1,365
	2018	568,933	12,295	123,679	-22,742	480,290	1,301
	2019	533,779	12,876	108,625	26,987	411,043	1,105
	2020	402,390	9,947	84,676	-3,440	331,101	885
Bermuda	2017	..	0	..	..	0	1
	2018	..	0	..	..	0	1
	2019	..	0	..	..	0	1
	2020	..	0	..	..	0	1
Canada	2017	44,264	7,775	26,542	-152	25,649	702
	2018	41,806	7,832	27,556	1,556	20,526	554
	2019	39,655	7,937	30,571	201	16,820	448
	2020	34,303	6,164	27,243	370	12,855	339
United States	2017	533,119	5,823	80,026	-15,773	474,689	1,439
	2018	527,126	4,463	96,123	-24,297	459,763	1,384
	2019	494,124	4,939	78,053	26,786	394,224	1,179
	2020	368,086	3,783	57,434	-3,810	318,246	947
Oceania	2017	420,571	1,535	350,472	4,345	67,289	1,609
	2018	413,208	1,997	352,628	-2,433	65,010	1,528
	2019	432,394	2,491	362,952	8,250	63,684	1,472
	2020	423,260	2,526	358,761	7,423	59,603	1,357
Australia	2017	418,210	270	349,288	4,599	64,594	2,627
	2018	410,631	435	351,384	-2,579	62,260	2,492
	2019	429,801	581	361,528	8,383	60,472	2,385
	2020	420,884	669	357,653	7,509	56,392	2,197
New Caledonia	2017	..	927	..	-105	1,033	3,631
	2018	..	1,131	..	61	1,069	3,754
	2019	..	1,036	..	-27	1,064	3,728
	2020	..	999	..	50	949	3,315
New Zealand	2017	2,361	338	1,184	-148	1,662	350
	2018	2,577	432	1,244	84	1,680	347
	2019	2,593	874	1,424	-105	2,148	433
	2020	2,376	858	1,108	-135	2,261	447

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, 1990-2020

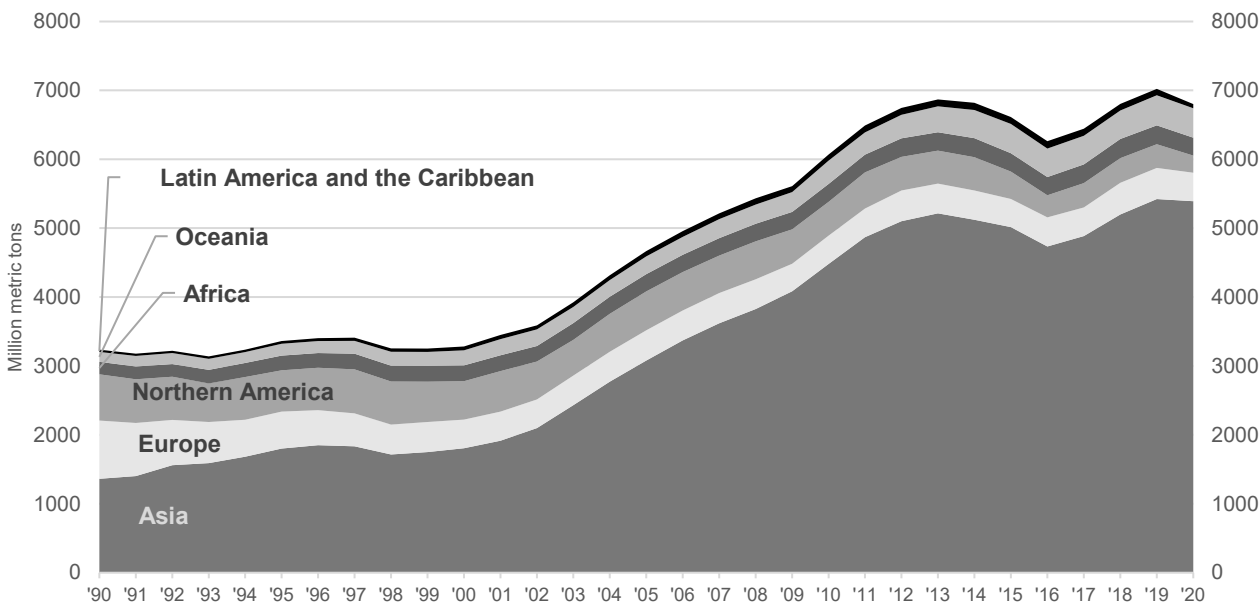


Figure 13: Major hard coal producing countries, 2020

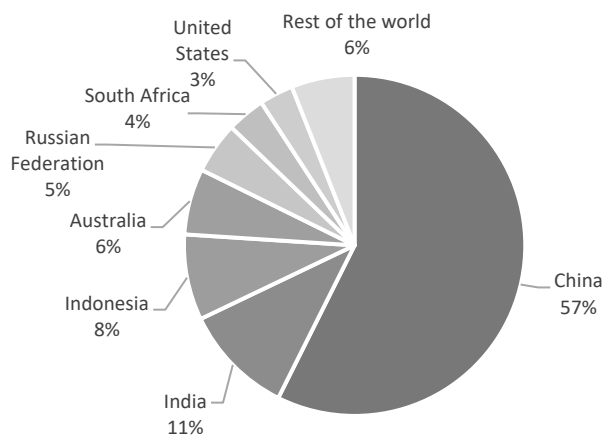


Figure 14: Major hard coal consuming countries, 2020

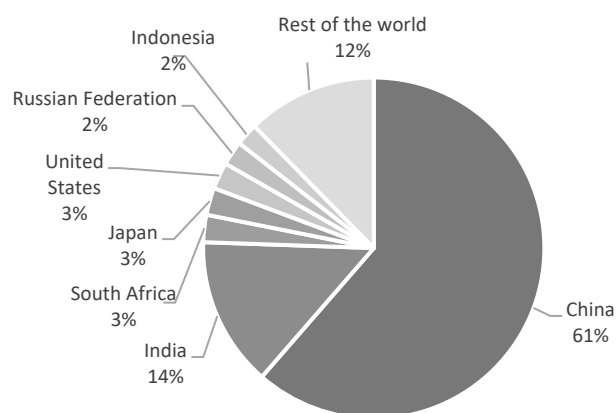


Table 5

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	2017	6,443,169	1,310,283	1,350,650	-82,559	6,485,361	853
	2018	6,802,718	1,355,706	1,431,305	29,408	6,697,711	872
	2019	7,022,846	1,377,433	1,413,043	116,984	6,870,251	885
	2020	6,799,651	1,262,557	1,308,699	2,231	6,751,278	861
Africa	2017	271,112	16,634	101,033	-4,359	191,071	151
	2018	279,234	21,964	110,108	2,584	188,506	146
	2019	274,610	22,601	89,910	-414	207,715	157
	2020	260,221	16,858	80,984	55	196,040	144
Algeria	2017	..	0	..	-5	5	0
	2018	..	12	..	4	8	0
	2019	..	8	..	-9	17	0
	2020	..	8	..	0	8	0
Benin	2017	..	76	..	..	76	7
	2018	..	120	..	120	0	0
	2019	..	102	..	..	102	8
	2020	..	110	..	..	110	9
Botswana	2017	2,220	..	229	..	1,991	829
	2018	2,482	..	317	..	2,165	883
	2019	2,111	..	304	..	1,807	723
	2020	1,888	..	517	..	1,371	538
Burundi	2017	..	1	..	..	1	0
	2018	..	0	..	..	0	0
	2019	..	10	..	..	10	1
	2020	..	5	..	..	5	0
Egypt	2017	..	2,792	..	..	2,792	27
	2018	..	5,403	..	..	5,403	52
	2019	..	4,513	..	..	4,513	43
	2020	..	1,775	..	..	1,775	17
Eswatini	2017	182	61	182	..	61	53
	2018	129	61	129	..	61	53
	2019	117	76	117	..	76	65
	2020	*115	*74	*115	..	*74	*63
Ethiopia	2017	2	580	..	..	582	5
	2018	2	418	..	..	420	4
	2019	2	453	..	..	455	4
	2020	4	771	..	..	774	7
Kenya	2017	..	463	..	..	463	9
	2018	..	693	..	..	693	14
	2019	..	612	..	..	612	12
	2020	..	822	..	..	822	16
Lesotho	2017	..	*700	..	..	*700	*322
	2018	..	*634	..	..	*634	*288
	2019	..	*630	..	..	*630	*283
	2020	..	*580	..	..	*580	*257
Madagascar	2017	..	549	..	..	549	21
	2018	..	451	..	..	451	17
	2019	..	511	..	..	511	19
	2020	..	*501	..	..	*501	*18
Malawi	2017	45	39	10	..	74	4
	2018	50	48	10	..	88	5
	2019	55	36	1	..	90	5
	2020	55	28	0	..	83	4

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
Mauritius	2017	..	1,431	..	671	760	587
	2018	..	1,283	..	561	722	557
	2019	..	1,173	..	509	664	512
	2020	..	1,189	..	529	661	509
Morocco	2017	..	6,809	..	63	6,746	187
	2018	..	8,459	..	657	7,803	214
	2019	..	10,113	..	15	10,099	274
	2020	..	9,965	..	-171	10,136	272
Mozambique	2017	11,746	..	17,399	-5,663	10	0
	2018	16,095	..	15,549	520	26	1
	2019	10,878	..	10,923	-64	19	1
	2020	7,449	..	7,100	317	31	1
Namibia	2017	..	42	..	..	42	18
	2018	..	22	..	9	13	5
	2019	..	34	..	6	28	11
	2020	..	36	..	..	36	14
Niger	2017	233	..	..	..	233	11
	2018	224	..	..	..	224	10
	2019	226	..	..	..	226	10
	2020	247	..	..	..	247	10
Nigeria	2017	51	..	..	..	51	0
	2018	48	..	..	..	48	0
	2019	55	..	..	..	55	0
	2020	43	..	..	..	43	0
Senegal	2017	..	613	..	..	613	40
	2018	..	963	..	..	963	62
	2019	..	890	..	..	890	56
	2020	..	575	..	..	575	35
South Africa	2017	252,343	2,446	83,163	..	171,626	3,030
	2018	255,054	3,366	94,005	..	164,415	2,867
	2019	257,853	3,429	78,450	..	182,832	3,148
	2020	247,110	419	73,061	..	174,469	2,967
United Rep. of Tanzania	2017	563	..	..	..	563	10
	2018	628	..	..	..	628	11
	2019	712	..	..	..	712	12
	2020	690	..	..	..	690	11
Zambia	2017	797	..	..	..	797	46
	2018	1,174	..	..	..	1,174	66
	2019	996	..	..	..	996	54
	2020	1,101	..	..	..	1,101	58
Zimbabwe	2017	2,928	33	50	576	2,335	158
	2018	3,348	30	98	713	2,567	171
	2019	1,604	11	115	-872	2,371	154
	2020	1,519	0	191	-621	1,949	124
Asia	2017	4,884,668	1,012,612	461,640	-56,161	5,491,801	1,207
	2018	5,198,116	1,060,332	495,062	41,943	5,721,444	1,246
	2019	5,422,958	1,114,277	524,074	70,063	5,943,097	1,284
	2020	5,389,832	1,062,349	468,193	41,161	5,942,826	1,274
Afghanistan	2017	2,191	..	1,014	..	1,177	33
	2018	2,445	..	1,117	..	1,328	36
	2019	2,139	1	772	..	1,368	36
	2020	*1,820	0	*286	..	*1,534	*39

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
Armenia	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	4	..	..	4	1
	2020	..	12	..	..	12	4
Azerbaijan	2017	..	2	..	0	2	0
	2018	..	1	..	..	1	0
	2019	..	1	..	0	1	0
	2020	..	*1	..	..	*1	0
Bangladesh	2017	1,161	2,614	..	..	3,775	23
	2018	923	3,395	..	..	4,318	26
	2019	923	6,997	..	..	7,920	48
	2020	811	3,772	..	..	4,584	27
Bhutan	2017	162	..	19	..	143	189
	2018	187	..	27	..	160	210
	2019	185	..	26	..	159	207
	2020	73	..	0	..	73	94
China	2017	3,523,562	270,933	8,088	-48,390	3,834,797	2,719
	2018	3,697,736	282,098	4,936	26,418	3,948,480	2,786
	2019	3,846,330	299,770	6,030	84,700	4,055,370	2,852
	2020	3,901,580	303,610	3,190	56,800	4,145,200	2,909
China, Hong Kong SAR	2017	..	10,503	..	545	9,958	1,335
	2018	..	10,884	..	658	10,226	1,367
	2019	..	10,035	..	241	9,794	1,307
	2020	..	5,485	..	270	5,215	695
Cyprus	2017	..	17	..	11	5	4
	2018	..	22	..	-1	23	19
	2019	..	32	..	5	28	23
	2020	..	24	..	1	22	18
Georgia	2017	..	162	0	18	144	38
	2018	..	258	..	32	226	60
	2019	..	254	..	9	245	65
	2020	..	197	..	16	182	48
India	2017	675,400	208,273	1,503	-15,905	898,075	663
	2018	728,720	235,240	1,313	4,401	958,246	700
	2019	730,873	248,537	1,047	-23,791	1,002,154	725
	2020	716,084	215,251	2,945	-27,753	956,143	685
Indonesia	2017	461,000	4,352	389,538	355	75,459	285
	2018	548,000	5,358	429,061	-1,030	125,327	469
	2019	616,167	6,770	459,136	3,774	160,027	594
	2020	552,638	9,021	406,230	11,668	143,761	529
Iran (Islamic Rep. of)	2017	1,521	362	68	..	1,815	21
	2018	1,713	308	229	..	1,791	21
	2019	1,515	170	193	..	1,492	17
	2020	1,542	57	118	..	1,481	17
Israel	2017	..	8,516	..	237	8,279	996
	2018	..	7,721	..	-259	7,980	944
	2019	..	8,417	..	454	7,963	925
	2020	..	7,743	..	166	7,578	865
Japan	2017	1,328	191,103	3	..	192,428	1,519
	2018	964	188,548	32	..	189,480	1,501
	2019	775	186,892	4	..	187,664	1,492
	2020	748	173,138	4	..	173,882	1,388

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
Jordan	2017	..	255	..	-4	259	25
	2018	..	292	..	37	255	24
	2019	..	260	..	..	260	24
	2020	..	256	..	..	256	23
Kazakhstan	2017	106,199	4	26,986	-2,053	81,270	4,437
	2018	101,086	441	23,877	-448	78,097	4,213
	2019	98,593	288	22,615	786	75,480	4,025
	2020	97,924	297	25,527	-145	72,839	3,838
Korea, Dem.Ppl's.Rep.	2017	19,739	706	2,671	..	17,774	697
	2018	16,478	..	..	..	16,478	643
	2019	18,419	19	..	..	18,438	716
	2020	17,315	..	..	..	17,315	669
Korea, Republic of	2017	1,486	129,113	..	-300	130,899	2,541
	2018	1,140	125,750	..	-335	127,225	2,462
	2019	1,086	127,380	..	851	127,615	2,463
	2020	1,019	115,485	..	-1,529	118,033	2,277
Kyrgyzstan	2017	247	926	208	44	921	150
	2018	324	819	394	2	747	120
	2019	329	489	568	-39	289	46
	2020	522	495	589	62	366	57
Lao People's Dem. Rep.	2017	133	..	..	..	133	19
	2018	143	..	..	..	143	20
	2019	161	..	..	..	161	22
	2020	320	..	..	..	320	44
Lebanon	2017	..	*250	..	..	*250	*41
	2018	..	*250	..	..	*250	*42
	2019	..	*250	..	..	*250	*43
	2020	..	*250	..	..	*250	*44
Malaysia	2017	2,989	30,426	607	-91	32,899	1,029
	2018	2,653	32,904	0	339	35,218	1,087
	2019	2,768	33,045	212	..	35,601	1,085
	2020	3,264	31,129	4	..	34,389	1,036
Mongolia	2017	41,362	2	28,553	4,416	8,395	2,712
	2018	44,386	2	31,472	388	12,528	3,960
	2019	44,822	54	32,192	..	12,685	3,924
	2020	36,740	5	28,127	..	8,618	2,616
Myanmar	2017	737	..	0	..	737	14
	2018	1,544	..	..	..	1,544	29
	2019	1,867	..	..	..	1,867	35
	2020	2,054	..	..	..	2,054	38
Nepal	2017	24	1,294	..	..	1,318	47
	2018	25	1,882	..	..	1,907	67
	2019	27	1,479	..	..	1,507	52
	2020	27	2,002	..	..	2,029	69
Other Asia	2017	..	55,287	1	-122	55,407	2,341
	2018	..	54,947	1	-574	55,519	2,340
	2019	..	55,582	1	1,056	54,524	2,293
	2020	..	51,605	1	545	51,059	2,143
Pakistan	2017	3,954	13,684	..	..	17,638	82
	2018	4,478	15,686	..	..	20,164	92
	2019	5,407	16,422	..	..	21,829	98
	2020	8,694	16,345	..	..	25,040	110

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
Saudi Arabia	2017	..	115	0	..	114	3
	2018	..	88	0	..	87	2
	2019	..	109	0	..	109	3
	2020	..	65	0	..	64	2
Singapore	2017	..	1,458	1	..	1,458	253
	2018	..	776	1	..	775	133
	2019	..	743	0	..	743	127
	2020	..	703	0	..	703	119
Sri Lanka	2017	..	2,527	..	*370	2,157	100
	2018	..	2,166	..	82	2,084	97
	2019	..	2,389	..	164	2,224	103
	2020	..	2,544	..	-129	2,673	123
Tajikistan	2017	1,707	6	5	..	1,708	191
	2018	1,842	7	43	..	1,805	198
	2019	1,964	19	18	..	1,965	210
	2020	1,951	5	53	..	1,903	199
Thailand	2017	..	23,262	45	3,805	19,412	274
	2018	..	25,739	84	6,448	19,207	270
	2019	..	22,463	59	2,176	20,228	284
	2020	..	23,734	63	*4,549	19,122	268
Türkiye	2017	1,234	38,251	100	506	38,879	474
	2018	1,102	38,329	85	-200	39,546	478
	2019	1,206	38,141	57	-997	40,288	483
	2020	1,066	40,106	144	102	40,927	486
United Arab Emirates	2017	..	3,214	1	..	3,212	354
	2018	..	2,870	0	..	2,870	314
	2019	..	2,671	1	..	2,670	290
	2020	..	3,211	0	..	3,211	346
Uzbekistan	2017	124	203	0	-15	342	11
	2018	181	580	..	-17	778	24
	2019	242	707	..	-30	979	30
	2020	264	880	1	-21	1,163	35
Viet Nam	2017	38,409	14,677	2,229	411	50,446	536
	2018	42,047	22,856	2,388	*6,000	56,515	595
	2019	47,158	43,770	1,143	705	89,080	930
	2020	43,375	54,812	910	-3,441	100,718	1,042
Yemen	2017	..	116	..	..	116	4
	2018	..	117	..	..	117	4
	2019	..	118	..	..	118	4
	2020	..	108	..	..	108	3
Europe	2017	416,826	222,091	192,462	4,952	441,504	591
	2018	459,146	216,557	228,159	5,654	441,891	591
	2019	451,098	181,751	217,447	14,029	401,374	536
	2020	413,648	136,602	210,836	-10,655	350,069	468
Albania	2017	46	107	30	..	123	43
	2018	98	129	2	..	224	78
	2019	31	116	..	..	148	51
	2020	127	137	..	..	265	92
Andorra	2017	..	0	..	..	0	*2
	2018	..	0	..	..	0	*1
	2019	..	0	..	..	0	*2
	2020	..	0	..	..	0	*1

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
Austria	2017	..	3,387	1	5	3,381	384
	2018	..	3,087	3	-144	3,228	365
	2019	..	3,078	0	-50	3,128	352
	2020	..	2,709	0	-129	2,838	319
Belarus	2017	..	762	167	-49	644	66
	2018	..	1,652	854	153	645	67
	2019	..	4,015	3,243	23	749	77
	2020	..	2,261	1,574	-56	743	77
Belgium	2017	16	3,427	81	-210	3,572	314
	2018	16	3,832	46	232	3,570	312
	2019	13	3,707	85	120	3,515	305
	2020	11	3,063	91	119	2,863	248
Bosnia and Herzegovina	2017	..	1,361	0	91	1,270	369
	2018	..	1,457	..	0	1,457	429
	2019	..	1,531	..	180	1,351	402
	2020	..	1,261	..	12	1,249	376
Bulgaria	2017	41	898	0	15	924	129
	2018	334	836	..	166	1,004	141
	2019	303	558	..	-96	958	136
	2020	245	591	..	8	828	119
Croatia	2017	..	590	..	5	584	139
	2018	..	499	..	-50	549	132
	2019	..	710	..	51	658	159
	2020	..	593	..	37	555	136
Czechia	2017	5,601	3,844	2,414	-108	7,138	678
	2018	4,562	3,809	1,954	-140	6,557	622
	2019	3,540	3,713	1,435	357	5,463	518
	2020	2,200	3,632	846	-302	5,289	502
Denmark	2017	..	3,074	..	423	2,651	462
	2018	..	2,756	17	54	2,685	466
	2019	..	2,387	46	817	1,525	263
	2020	..	1,111	194	-320	1,237	212
Estonia	2017	..	45	..	-3	48	36
	2018	..	44	..	-6	50	38
	2019	..	49	..	-2	50	38
	2020	..	4	..	-9	12	9
Finland	2017	..	3,970	..	-445	4,415	802
	2018	..	4,109	..	-32	4,141	751
	2019	..	3,156	..	-145	3,301	598
	2020	..	2,432	..	-293	2,725	493
France	2017	..	14,956	..	96	14,859	224
	2018	..	13,364	..	181	13,183	198
	2019	..	10,239	..	-116	10,355	155
	2020	..	7,142	..	-322	7,464	112
Germany	2017	3,836	50,486	222	552	53,548	648
	2018	2,761	44,816	202	-3,322	50,697	612
	2019	0	40,993	462	-1,979	42,510	511
	2020	..	29,573	526	-2,189	31,236	375
Greece	2017	..	411	..	35	376	35
	2018	..	379	..	-55	434	41
	2019	..	327	..	15	311	29
	2020	..	304	..	39	266	25

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
Hungary	2017	..	1,545	..	27	1,518	155
	2018	..	1,542	..	41	1,501	154
	2019	..	1,366	..	-16	1,382	141
	2020	..	1,214	..	-39	1,253	129
Iceland	2017	..	127	..	..	127	370
	2018	..	149	..	..	149	421
	2019	..	150	..	..	150	415
	2020	..	123	..	..	123	336
Ireland	2017	..	2,032	12	173	1,847	387
	2018	..	1,405	..	154	1,250	259
	2019	..	401	..	-187	588	120
	2020	..	417	..	-267	684	138
Italy	2017	..	15,226	0	40	15,186	253
	2018	..	14,149	3	170	13,976	233
	2019	..	10,261	..	-165	10,426	174
	2020	..	7,179	..	-545	7,724	130
Kosovo	2017	..	2	..	..	2	1
	2018	..	1	..	..	1	1
	2019	..	1	..	..	1	0
	2020	..	5	0	..	5	3
Latvia	2017	..	68	6	-8	70	36
	2018	..	82	10	-7	78	40
	2019	..	79	5	7	67	35
	2020	..	40	4	-4	39	21
Lithuania	2017	..	272	..	22	250	86
	2018	..	262	..	-3	265	92
	2019	..	285	..	24	261	92
	2020	..	176	..	-27	203	72
Luxembourg	2017	..	68	..	-3	71	119
	2018	..	63	..	1	63	103
	2019	..	64	..	-5	70	112
	2020	..	65	..	8	57	91
Netherlands	2017	..	14,872	..	190	14,682	853
	2018	..	13,016	..	-58	13,074	756
	2019	..	10,359	..	187	10,172	586
	2020	..	6,035	..	-458	6,493	372
North Macedonia	2017	..	33	0	0	33	16
	2018	..	101	1	10	91	43
	2019	..	81	0	-2	84	40
	2020	..	1	0	-7	8	4
Norway	2017	131	781	75	5	832	158
	2018	150	746	113	-10	793	149
	2019	121	794	79	7	829	155
	2020	69	849	46	-26	898	167
Poland	2017	65,975	12,803	7,036	-2,043	73,785	1,915
	2018	63,857	19,195	4,857	3,360	74,834	1,943
	2019	62,081	16,623	4,373	5,558	68,774	1,787
	2020	54,714	12,771	4,575	-566	63,476	1,652
Portugal	2017	..	5,712	..	304	5,408	525
	2018	..	4,497	..	-50	4,546	442
	2019	..	2,575	..	469	2,106	205
	2020	..	5	82	-1,026	949	92

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
Republic of Moldova	2017	..	200	..	24	176	55
	2018	..	144	..	7	137	44
	2019	..	147	..	-16	163	52
	2020	..	133	..	3	130	42
Romania	2017	..	194	0	4	190	10
	2018	..	186	..	6	180	9
	2019	..	161	..	-4	164	8
	2020	..	129	..	8	121	6
Russian Federation	2017	312,811	*26,722	181,022	9,643	148,868	1,023
	2018	358,614	*26,065	*219,125	7,430	158,124	1,086
	2019	357,564	*21,923	205,394	6,905	167,189	1,147
	2020	330,441	22,400	199,600	-2,170	155,412	1,067
Serbia	2017	..	151	..	1	150	20
	2018	..	260	..	-2	262	35
	2019	..	253	..	-4	256	35
	2020	..	216	..	-7	223	30
Slovakia	2017	..	3,808	..	4	3,804	699
	2018	..	3,962	..	42	3,920	720
	2019	..	3,344	..	92	3,252	596
	2020	..	2,520	..	-74	2,594	475
Slovenia	2017	..	11	..	0	11	5
	2018	..	10	..	-1	11	5
	2019	..	11	..	0	11	5
	2020	..	12	..	0	13	6
Spain	2017	1,161	19,089	264	-1,235	21,221	456
	2018	771	15,773	276	-2,668	18,936	405
	2019	..	8,586	1,525	-580	7,641	162
	2020	..	3,968	1,986	-2,120	4,102	87
Sweden	2017	..	2,731	..	130	2,601	259
	2018	..	2,718	..	-78	2,796	275
	2019	..	2,368	..	-51	2,419	236
	2020	..	2,025	..	34	1,991	192
Switzerland	2017	..	52	0	-2	53	6
	2018	..	15	0	-38	53	6
	2019	..	29	0	-19	48	6
	2020	..	22	0	-14	36	4
Ukraine	2017	24,167	19,778	636	645	42,664	955
	2018	25,202	21,387	63	140	46,386	1,044
	2019	24,854	21,082	61	2,571	43,304	979
	2020	24,168	16,951	3	2,354	38,762	883
United Kingdom	2017	3,041	8,497	495	-3,378	14,421	218
	2018	2,782	10,061	634	168	12,041	181
	2019	2,591	6,229	740	84	7,996	120
	2020	1,673	4,532	1,309	-2,306	7,202	107
Latin America & Carib.	2017	103,219	46,060	104,347	-21,423	66,355	105
	2018	95,785	45,159	84,810	-7,257	63,391	99
	2019	95,163	46,097	72,527	3,263	65,470	101
	2020	60,567	37,813	68,507	-28,049	57,921	89
Argentina	2017	20	1,510	0	-131	1,661	38
	2018	60	1,696	2	86	1,668	38
	2019	105	933	59	221	758	17
	2020	20	1,487	..	..	1,507	33

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
Bolivia (Plur. State of)	2017	..	10	..	..	10	1
	2018	..	8	..	..	8	1
	2019	..	9	..	..	9	1
	2020	..	9	..	..	9	1
Brazil	2017	4,819	21,207	..	162	25,864	124
	2018	4,838	20,986	..	409	25,415	121
	2019	5,410	18,859	..	51	24,218	114
	2020	5,481	16,066	..	-297	21,844	102
Chile	2017	2,425	11,601	914	-131	13,243	721
	2018	2,257	11,473	422	220	13,087	700
	2019	1,427	13,107	..	-296	14,830	779
	2020	479	11,060	..	-474	12,013	622
Colombia	2017	90,549	0	102,689	-19,964	7,824	162
	2018	84,284	0	83,593	-7,165	7,856	159
	2019	84,343	0	71,527	3,644	9,172	183
	2020	49,832	0	67,835	-26,792	8,789	173
Costa Rica	2017	..	7	..	..	7	1
	2018	..	0	..	..	0	0
	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	0
Cuba	2017	..	4	..	..	4	0
	2018	..	4	..	..	4	0
	2019	..	0	..	..	0	0
	2020	..	2	..	..	2	0
Dominican Republic	2017	..	1,255	..	-5	1,260	118
	2018	..	1,263	..	24	1,238	115
	2019	..	1,207	..	-23	1,230	113
	2020	..	1,205	..	-23	1,229	112
Guatemala	2017	..	1,633	..	137	1,496	90
	2018	..	1,807	..	40	1,767	105
	2019	..	2,542	..	817	1,725	101
	2020	..	1,101	..	-13	1,114	64
Guyana	2017	..	0	..	*-3	*3	*4
	2018	..	2	..	0	2	3
	2019	..	6	..	*3	3	4
	2020	..	1	..	*-2	*3	*4
Honduras	2017	..	1	..	..	1	0
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
Jamaica	2017	..	96	..	14	82	29
	2018	..	106	..	19	87	31
	2019	..	87	..	-14	101	36
	2020	..	94	..	-15	110	39
Mexico	2017	4,605	8,178	3	-915	13,695	111
	2018	3,930	7,271	5	111	11,085	89
	2019	3,303	8,085	5	-121	11,504	92
	2020	3,930	5,558	3	-139	9,624	76
Panama	2017	..	87	..	..	87	21
	2018	..	219	..	..	219	53
	2019	..	897	..	..	897	212
	2020	..	965	..	..	965	225

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
Paraguay	2017	..	1	..	..	1	0
	2018	..	5	..	..	5	1
	2019	..	2	..	..	2	0
	2020	..	1	..	..	1	0
Peru	2017	301	471	353	-586	1,004	32
	2018	217	319	633	-1,001	903	28
	2019	181	364	630	-1,019	933	28
	2020	115	262	21	-294	649	19
Venezuela (Bolivar. Rep.)	2017	500	..	388	..	112	4
	2018	200	..	155	..	45	2
	2019	394	..	306	..	88	3
	2020	711	..	649	..	62	2
Northern America	2017	351,453	11,663	111,089	-10,428	262,455	716
	2018	358,184	10,116	129,973	-10,802	249,129	675
	2019	343,744	11,245	114,712	21,116	219,161	589
	2020	248,479	7,474	90,355	-8,208	173,806	465
Bermuda	2017	..	0	..	..	0	1
	2018	..	0	..	..	0	0
	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	0
Canada	2017	31,221	6,075	30,967	531	5,798	159
	2018	32,394	6,303	32,047	1,875	4,775	129
	2019	33,882	7,065	35,546	296	5,105	136
	2020	30,493	4,860	31,448	325	3,580	94
United States	2017	320,232	5,588	80,122	-10,959	256,657	778
	2018	325,790	3,813	97,926	-12,677	244,354	736
	2019	309,862	4,180	79,166	20,820	214,056	640
	2020	217,986	2,614	58,907	-8,533	170,226	507
Oceania	2017	415,891	1,222	380,080	4,859	32,174	769
	2018	412,253	1,578	383,194	-2,714	33,350	784
	2019	435,273	1,462	394,374	8,927	33,434	773
	2020	426,905	1,462	389,824	7,927	30,616	697
Australia	2017	414,679	103	378,938	5,003	30,841	1,254
	2018	410,934	228	381,944	-2,807	32,025	1,282
	2019	433,982	182	392,934	9,126	32,104	1,266
	2020	425,776	296	388,716	8,178	29,178	1,137
New Caledonia	2017	..	1,045	..	-119	1,164	4,093
	2018	..	1,274	..	69	1,205	4,231
	2019	..	1,168	..	-31	1,199	4,202
	2020	..	1,126	..	56	1,070	3,736
New Zealand	2017	1,212	74	1,142	-25	170	36
	2018	1,319	75	1,250	24	120	25
	2019	1,291	112	1,440	-168	131	26
	2020	1,129	40	1,108	-307	368	73

Table 6

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

Thousand metric tons

2019

Importers	Exporters					
	World	Australia	Canada	China	Colombia	Indonesia
Austria	3,078	191	..	..	1	..
Belgium	3,707	1,188	29	..	..	..
Brazil	18,859	4,310	756	1	*3,274	..
Canada	7,065	..	..	..	745	..
Chile	13,107	1,036	215	..	8,747	..
China	299,770	87,719	3,323	..	1,690	47,772
China, Hong Kong SAR	10,035	78	..	..	..	7,886
Denmark	2,387	..	..	..	56	..
Finland	3,156	..	463	..	15	..
France	10,239	3,498	55	1	876	..
Germany	40,993	4,771	1,263	9	1,870	..
India	248,537	50,870	4,943	207	517	122,143
Israel	8,417	..	..	..	..	..
Italy	10,261	498	206	..	1,754	59
Japan	186,892	115,561	4,910	1,808	612	32,643
Korea, Republic of	127,380	45,798	11,338	1,722	4,435	24,660
Malaysia	33,045	7,862	..	481	54	..
Mexico	8,085	133	..	3	5,899	..
Morocco	10,113	..	..	..	70	..
Netherlands	10,359	2,101	..	5	575	266
Pakistan	16,422	..	..	13	..	3,034
Poland	16,623	2,117	66	3	1,192	..
Portugal	2,575	..	..	..	1,790	..
Russian Federation	21,923	..	..	..	41	..
Slovakia	3,344	..	295	..	105	..
Spain	8,586	827	..	10	1,150	2,270
Thailand	22,463	3,823	..	1	164	10,366
Türkiye	38,141	2,905	754	..	18,295	80
Ukraine	21,082	413	..	..	525	76
United Kingdom	6,229	423	..	7	1,078	..
United States	4,180	..	661	49	2,928	424

International trade of hard coal (Principal importers/exporters)

Thousand metric tons

2019

Exporters					
Kazakhstan	Mongolia	Mozambique	Russian Federation	South Africa	United States
..	..	54	348	..	620
..	1,472	186	676
..	..	532	2,613	487	6,886
..	153	..	6,141
..	81	..	989
150	*32,192	..	29,103	..	1,181
..	1,131	..	..
..	2,099	80	60
..	2,008	..	653
66	..	282	2,745	1,177	1,390
1,169	..	571	19,140	803	8,584
..	..	5,741	7,461	39,496	12,044
..
513	4,407	72	2,403
162	21,440	372	8,716
..	..	467	25,557	3,414	3,365
..	2,056	7	3
..	1,423	..	611
..	5,883	578	2,988
..	..	184	4,269	155	2,669
..	..	50	51	12,154	..
867	..	393	10,734	222	821
..	166	..	615
*18,737
..	..	365	1,314	..	424
..	2,739	502	653
..	915	..	1
2	..	109	13,544	1,046	1,325
876	14,452	..	4,462
64	2,421	158	1,769
..	62	22	..

Table 6

International trade of hard coal
(Principal importers/exporters)

Thousand metric tons

2020

Importers	Exporters					
	World	Australia	Canada	China	Colombia	Indonesia
Austria	2,709	261	..	..	..	..
Belgium	3,063	1,192	..	..	36	..
Brazil	16,066	3,204	305	..	*1,644	..
Canada	4,860	..	..	..	534	..
Chile	11,060	2,439	1,176	..	6,868	..
China	303,610	102,079	5,209	..	1,545	55,895
China, Hong Kong SAR	5,485	327	..	..	..	4,011
Denmark	1,111	..	..	..	..	..
Finland	2,432	130	285	..	..	..
France	7,142	2,431	133	2	445	..
Germany	29,573	3,851	1,219	2	1,854	..
India	215,251	42,282	3,691	37	3,746	98,411
Israel	7,743	..	..	..	..	..
Italy	7,179	414	109	..	584	67
Japan	173,138	109,500	8,044	534	495	23,344
Korea, Republic of	115,485	48,351	7,256	1,380	3,894	18,385
Malaysia	31,129	7,050	..	87	47	*22,091
Mexico	5,558	..	..	21	235	..
Morocco	9,965	..	..	..	185	..
Netherlands	6,035	1,292	..	..	305	..
Pakistan	16,345	51	..	5	..	3,521
Poland	12,771	1,056	4	4	902	..
Portugal	5	..	..	..	..	..
Russian Federation	22,400	..	..	..	33	..
Slovakia	2,520	..	192	..	20	..
Spain	3,968	153	..	7	461	..
Thailand	23,734	3,881	..	2	174	17,812
Türkiye	40,106	904	915	..	17,212	..
Ukraine	16,951	134	..	..	18	..
United Kingdom	4,532	320	..	7	115	..
United States	2,614	..	294	98	1,907	59

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

Thousand metric tons

2020

Exporters					
Kazakhstan	Mongolia	Mozambique	Russian Federation	South Africa	United States
..	343	..	512
..	1,193	102	427
..	..	303	3,126	329	7,155
..	198	..	4,062
..	156	..	410
255	*28,127	77	33,988	..	1,621
..	991	..	..
..	1,074	9	..
..	1,332	..	613
15	..	102	2,414	298	1,222
159	..	140	14,227	417	5,751
..	..	4,009	7,696	35,131	*11,281
..
304	4,007	..	1,478
125	..	129	23,150	103	7,180
..	..	1,248	24,686	1,221	3,847
..	1,854	..	..
..	1,294	..	3,591
49	8,701	61	760
..	3,232	..	1,205
..	987	11,322	..
843	..	208	9,396	..	270
..
19,500
..	..	295	881	..	398
259	2,183	..	358
..	1,639	..	..
456	..	77	16,047	1,976	2,498
1,280	11,906	..	3,277
62	1,627	66	991
..	253	..	..

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, 1990-2020

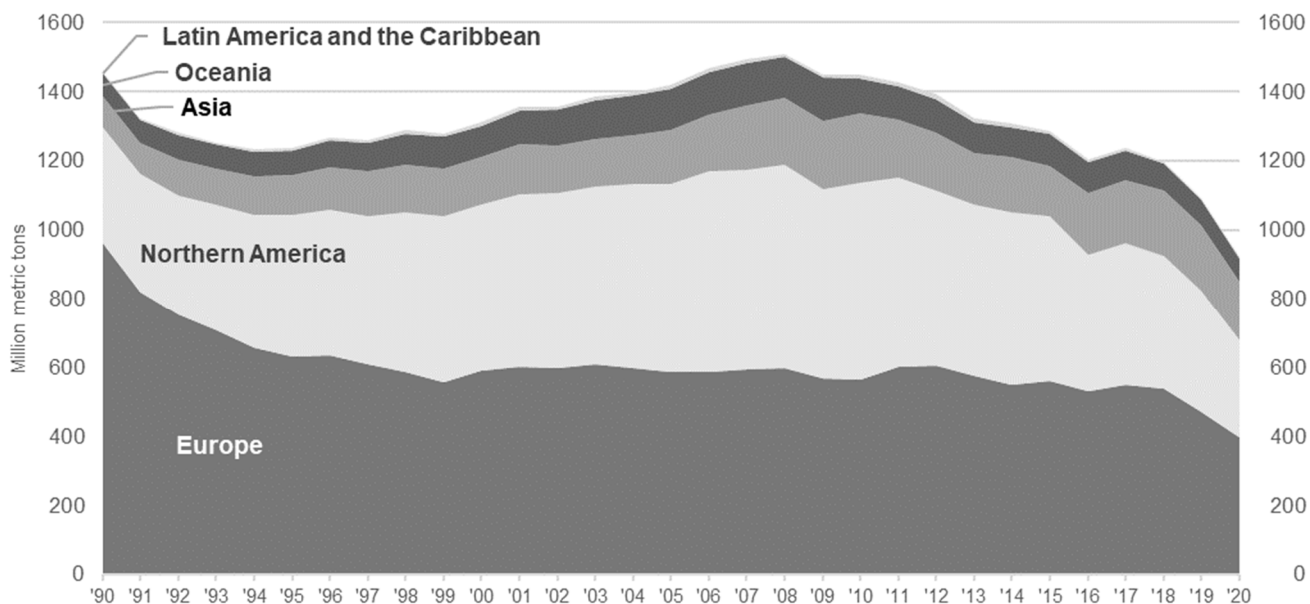


Figure 16: Major brown coal producing countries, 2020

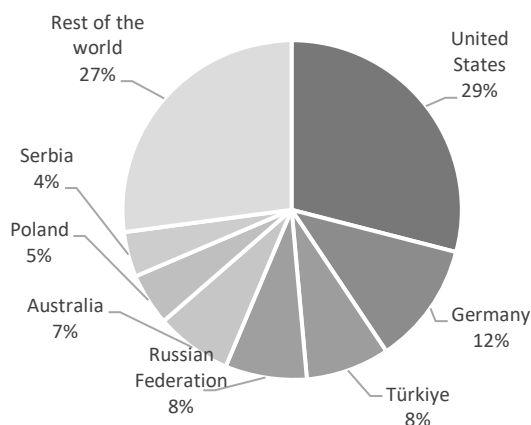


Figure 17: Major brown coal consuming countries, 2020

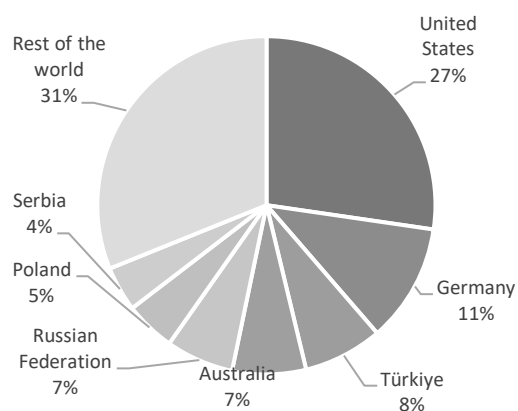


Table 7

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	2017	1,238,076	58,362	27,647	-10,446	1,279,237	168
	2018	1,198,638	61,243	28,765	-19,831	1,250,947	163
	2019	1,093,588	63,325	33,341	14,537	1,109,035	143
	2020	923,341	64,336	30,018	7,469	950,191	121
Asia	2017	181,901	47,152	9,277	-1,618	221,394	49
	2018	191,554	50,483	9,122	1,548	231,368	50
	2019	192,419	52,570	13,908	-659	231,740	50
	2020	171,725	54,969	12,252	3,048	211,394	45
Brunei Darussalam	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	341	..	..	341	779
	2020	..	1,200	..	..	1,200	2,717
Cambodia	2017	42	1,884	..	..	1,926	122
	2018	65	1,774	..	..	1,839	115
	2019	77	2,158	..	..	2,235	138
	2020	91	2,274	..	..	2,365	144
Georgia	2017	268	..	2	2	264	70
	2018	138	..	2	-2	138	37
	2019	15	..	1	11	4	1
	2020	99	..	1	15	84	22
India	2017	46,255	10	4	327	45,934	34
	2018	44,283	19	40	1,538	42,724	31
	2019	42,103	54	93	177	41,887	30
	2020	36,614	19	150	604	35,879	26
Israel	2017	449	..	..	..	449	54
	2018	415	..	..	..	415	49
	2019	403	..	..	..	403	47
	2020	393	..	..	..	393	45
Kazakhstan	2017	6,095	..	2,231	-554	4,418	241
	2018	6,561	0	2,757	5	3,799	205
	2019	5,929	0	2,698	36	3,195	170
	2020	5,422	..	3,564	-129	1,987	105
Korea, Dem.Ppl's.Rep.	2017	1,921	..	..	..	1,921	75
	2018	1,602	..	..	..	1,602	62
	2019	1,791	..	..	..	1,791	70
	2020	1,685	..	..	..	1,685	65
Korea, Republic of	2017	..	9,769	..	..	9,769	190
	2018	..	9,828	..	..	9,828	190
	2019	..	9,449	..	..	9,449	182
	2020	..	8,007	..	..	8,007	154
Kyrgyzstan	2017	1,624	3	272	139	1,216	199
	2018	2,071	4	367	-185	1,893	304
	2019	2,277	14	448	-26	1,869	296
	2020	2,155	4	400	-21	1,780	277
Lao People's Dem. Rep.	2017	13,440	..	209	-1,116	14,347	2,050
	2018	15,903	..	413	*-1,061	16,551	2,330
	2019	15,264	..	*550	*-454	15,168	2,103
	2020	14,367	..	*518	*-681	14,530	1,985
Mongolia	2017	6,783	..	408	58	6,317	2,040
	2018	7,015	..	507	-20	6,529	2,064
	2019	6,977	..	137	..	6,840	2,116
	2020	7,105	..	90	..	7,015	2,129

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
Other Asia	2017	..	12,362	..	511	11,851	501
	2018	..	11,606	..	-340	11,946	504
	2019	..	11,751	..	265	11,485	483
	2020	..	11,658	..	1,045	10,613	446
Philippines	2017	11,932	22,268	6,149	-1,269	29,320	275
	2018	11,755	26,301	5,035	2,044	30,976	285
	2019	13,751	27,692	9,980	-1,658	33,122	300
	2020	12,951	29,524	7,525	1,706	33,244	296
Saudi Arabia	2017	..	1	..	..	1	0
	2018	..	2	..	..	2	0
	2019	..	2	0	..	2	0
	2020	..	1	..	..	1	0
Tajikistan	2017	53	1	..	..	54	6
	2018	65	1	..	..	66	7
	2019	65	9	..	..	74	8
	2020	78	26	..	..	104	11
Thailand	2017	16,259	193	..	163	16,289	230
	2018	14,852	226	..	491	14,587	205
	2019	14,078	383	..	375	14,086	198
	2020	13,250	148	..	-29	13,427	188
Türkiye	2017	72,864	..	1	-72	72,935	888
	2018	82,835	..	1	353	82,481	996
	2019	85,883	..	1	811	85,071	1,019
	2020	73,646	..	4	1,386	72,256	859
Uzbekistan	2017	3,915	660	0	193	4,383	137
	2018	3,993	722	0	-1,275	5,990	185
	2019	3,806	717	0	-197	4,720	143
	2020	3,869	2,107	..	-848	6,824	204
Europe	2017	549,089	5,769	10,358	-1,779	546,279	732
	2018	538,751	5,343	12,351	-1,465	533,208	713
	2019	473,840	5,554	13,400	4,203	461,791	617
	2020	396,846	4,717	13,793	-2,494	390,264	521
Austria	2017	..	76	0	..	76	9
	2018	..	80	0	..	79	9
	2019	..	68	0	..	68	8
	2020	..	64	0	..	64	7
Belgium	2017	53	14	7	8	53	5
	2018	78	3	1	-3	83	7
	2019	87	1	1	-5	92	8
	2020	82	2	0	-2	86	7
Bosnia and Herzegovina	2017	14,084	98	239	-186	14,129	4,107
	2018	14,505	106	195	262	14,154	4,163
	2019	13,377	117	163	489	12,842	3,821
	2020	13,536	71	157	-238	13,688	4,125
Bulgaria	2017	34,277	1	22	583	33,672	4,688
	2018	30,263	..	43	54	30,166	4,238
	2019	28,040	..	50	82	27,908	3,957
	2020	22,342	..	28	0	22,314	3,197
Croatia	2017	..	49	..	..	49	12
	2018	..	36	..	..	36	9
	2019	..	31	..	..	31	7
	2020	..	18	..	..	18	4

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
Czechia	2017	39,306	205	941	-91	38,661	3,671
	2018	39,204	185	838	-243	38,794	3,682
	2019	37,486	62	685	670	36,193	3,435
	2020	29,433	54	491	-450	29,445	2,796
Estonia	2017	21,625	..	..	-266	21,891	16,615
	2018	21,883	..	..	509	21,374	16,166
	2019	15,877	..	..	624	15,253	11,494
	2020	12,144	..	..	103	12,041	9,057
France	2017	..	61	..	11	50	1
	2018	..	67	..	-9	77	1
	2019	..	55	..	-4	59	1
	2020	..	45	..	-10	56	1
Germany	2017	171,286	30	..	102	171,214	2,072
	2018	166,258	21	..	-920	167,199	2,017
	2019	131,314	24	..	-113	131,451	1,581
	2020	107,377	27	..	-26	107,430	1,289
Greece	2017	37,731	0	..	-330	38,061	3,560
	2018	36,489	..	..	-180	36,669	3,449
	2019	27,375	..	..	754	26,621	2,518
	2020	14,054	..	2	-328	14,380	1,368
Hungary	2017	7,972	173	2	34	8,109	828
	2018	7,898	159	3	-91	8,145	833
	2019	6,847	113	4	74	6,882	704
	2020	6,125	80	2	1	6,202	636
Italy	2017	..	11	..	..	11	0
	2018	..	2	..	..	2	0
	2019	..	1	..	..	1	0
	2020	..	1	..	..	1	0
Kosovo	2017	7,575	9	14	-33	7,602	4,390
	2018	7,661	9	9	-32	7,692	4,499
	2019	8,063	11	27	-26	8,073	4,786
	2020	8,382	19	9	124	8,268	4,949
Lithuania	2017	..	3	..	0	3	1
	2018	..	2	..	0	1	0
	2019	..	..	..	-1	1	0
	2020	..	..	..	0	0	0
Montenegro	2017	1,475	5	97	..	1,383	2,187
	2018	1,596	5	94	-65	1,573	2,491
	2019	1,605	5	111	6	1,494	2,370
	2020	1,665	6	81	-3	1,594	2,533
Netherlands	2017	..	51	..	0	51	3
	2018	..	48	..	0	48	3
	2019	..	10	..	0	10	1
	2020	..	16	..	..	16	1
North Macedonia	2017	5,094	127	2	-153	5,372	2,544
	2018	4,995	112	0	287	4,820	2,281
	2019	5,477	146	1	-277	5,900	2,791
	2020	5,029	173	1	-2	5,203	2,464
Poland	2017	61,161	328	256	49	61,184	1,588
	2018	58,571	276	287	-24	58,583	1,521
	2019	50,329	290	148	10	50,461	1,311
	2020	45,983	151	54	-26	46,107	1,200

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
Romania	2017	25,752	669	2	201	26,219	1,331
	2018	23,647	588	6	-724	24,953	1,273
	2019	21,652	882	0	315	22,218	1,138
	2020	15,031	496	2	-319	15,844	815
Russian Federation	2017	74,886	2,321	8,701	-1,662	70,168	482
	2018	80,478	2,160	10,796	25	71,817	493
	2019	81,886	2,338	12,116	1,674	70,434	483
	2020	71,834	2,229	12,894	-328	61,497	422
Serbia	2017	39,806	488	74	42	40,178	5,382
	2018	37,649	369	80	-560	38,498	5,179
	2019	38,881	378	94	517	38,648	5,222
	2020	39,673	328	73	-746	40,674	5,528
Slovakia	2017	1,834	556	..	41	2,349	432
	2018	1,502	595	..	43	2,054	377
	2019	1,465	507	..	45	1,927	353
	2020	981	486	..	-211	1,678	308
Slovenia	2017	3,356	372	..	-14	3,742	1,783
	2018	3,217	411	..	-51	3,678	1,746
	2019	3,143	418	..	97	3,464	1,639
	2020	3,175	348	..	72	3,450	1,629
Spain	2017	1,816	..	..	-114	1,930	41
	2018	1,630	..	..	250	1,380	29
	2019	..	..	..	-729	729	15
	2020	..	..	..	-105	105	2
Switzerland	2017	..	123	..	1	122	14
	2018	..	110	..	3	107	13
	2019	..	97	..	1	96	11
	2020	..	103	..	1	102	12
Ukraine	2017	..	..	..	..	..	..
	2018	1,228	..	..	2	1,226	28
	2019	935	..	..	..	935	21
	2020	..	..	..	..	..	..
Latin America & Carib.	2017	7,171	2,178	..	2,874	6,475	10
	2018	6,971	2,010	..	-321	9,302	15
	2019	5,626	1,418	..	-622	7,666	12
	2020	3,531	237	..	-164	3,932	6
Guyana	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	1	..	..	1	1
	2020	..	..	..	..	..	..
Mexico	2017	7,171	2,178	..	2,874	6,475	53
	2018	6,971	2,010	..	-321	9,302	75
	2019	5,626	1,417	..	-622	7,665	61
	2020	3,531	237	..	-164	3,932	31
Northern America	2017	413,420	2,871	7,968	-9,739	418,062	1,141
	2018	385,294	2,881	7,265	-19,683	400,593	1,085
	2019	350,174	2,821	6,024	11,537	335,434	902
	2020	282,544	3,374	3,940	6,860	275,118	736
Canada	2017	30,937	1,404	135	-669	32,875	899
	2018	25,101	1,292	291	95	26,007	702
	2019	19,284	926	128	-288	20,370	543
	2020	14,792	1,328	190	350	15,580	411

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 States	2017	382,483	1,467	7,833	-9,070	385,187	1,168
	2018	360,193	1,589	6,974	-19,778	374,586	1,128
	2019	330,890	1,895	5,896	11,825	315,064	942
	2020	267,752	2,046	3,750	6,510	259,538	773
Oceania	2017	86,494	392	44	-184	87,027	2,081
	2018	76,068	526	28	90	76,476	1,798
	2019	71,530	962	10	79	72,404	1,673
	2020	68,695	1,040	33	219	69,483	1,582
Australia	2017	84,788	..	..	..	84,788	3,448
	2018	74,156	..	..	..	74,156	2,969
	2019	69,787	..	..	..	69,787	2,752
	2020	67,005	..	..	..	67,005	2,610
New Zealand	2017	1,706	392	44	-184	2,239	472
	2018	1,912	526	28	90	2,320	479
	2019	1,743	962	10	79	2,617	528
	2020	1,690	1,040	33	219	2,478	490

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, 2020

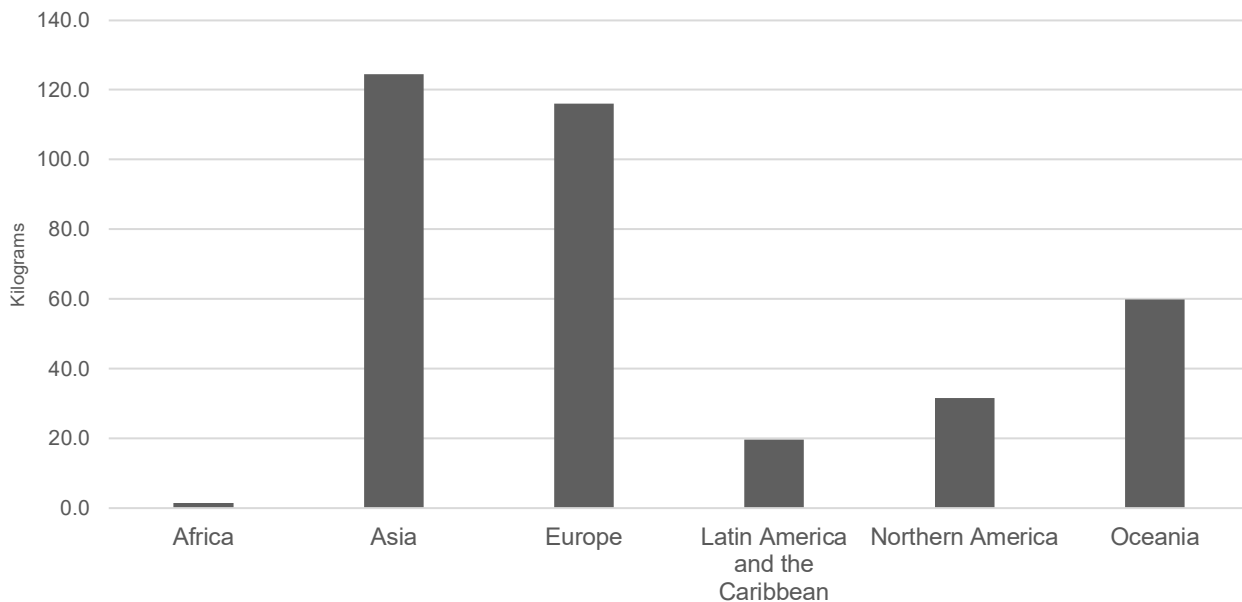


Figure 19: Major coke producing countries, 2020

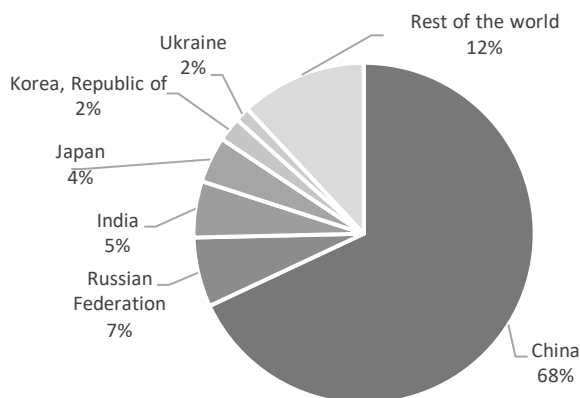


Figure 20: Major coke consuming countries, 2020

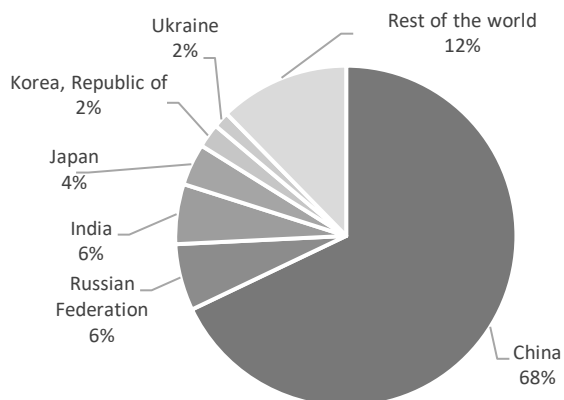


Table 8

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	2017	636,519	27,106	27,498	-13,751	649,878	86
	2018	672,183	28,274	29,816	6,315	664,326	86
	2019	711,654	24,535	26,356	2,537	707,298	91
	2020	694,098	24,554	25,058	-3,098	696,691	89
Africa	2017	2,077	538	236	-26	2,404	2
	2018	2,782	716	106	-90	3,482	3
	2019	2,609	529	288	-3	2,853	2
	2020	1,418	804	219	0	2,003	1
Algeria	2017	..	301	..	-26	327	8
	2018	..	500	..	-48	548	13
	2019	..	437	..	-3	440	10
	2020	5	201	..	0	206	5
Egypt	2017	*518	*153	*154	..	*517	*5
	2018	296	*116	..	-42	454	4
	2019	509	..	168	..	342	3
	2020	61	528	18	..	571	5
Madagascar	2017	..	..	..	..	..	..
	2018	..	*24	..	..	*24	*1
	2019	..	*24	..	..	*24	*1
	2020	..	*24	..	..	*24	*1
South Africa	2017	1,390	..	..	..	1,390	25
	2018	2,281	..	..	..	2,281	40
	2019	1,880	..	..	..	1,880	32
	2020	1,042	..	..	..	1,042	18
Zambia	2017	..	*52	*2	..	*50	*3
	2018	..	*52	*2	..	*50	*3
	2019	..	*52	*2	..	*50	*3
	2020	..	*51	*2	..	*49	*3
Zimbabwe	2017	169	32	80	..	120	8
	2018	205	24	104	..	125	8
	2019	219	16	118	..	118	8
	2020	311	..	199	..	111	7
Asia	2017	510,811	10,613	9,942	-13,820	525,303	115
	2018	556,633	11,445	11,859	5,394	550,826	120
	2019	583,096	8,836	8,762	1,650	581,520	126
	2020	575,418	10,757	7,480	-1,809	580,505	124
Afghanistan	2017	*67	*203	*67	..	*203	*6
	2018	*67	*203	*67	..	*203	*6
	2019	*67	*203	*67	..	*203	*5
	2020	*68	*208	*70	..	*207	*5
China	2017	431,684	10	8,079	-13,780	437,395	310
	2018	447,514	91	9,758	5,268	432,579	305
	2019	472,958	523	6,523	1,622	465,337	327
	2020	471,882	2,979	3,492	-1,751	473,120	332
Georgia	2017	..	135	13	-18	140	37
	2018	..	162	..	3	159	42
	2019	..	145	..	12	133	35
	2020	..	82	..	-18	100	27
India	2017	11,330	4,585	108	..	15,807	12
	2018	*37,665	*4,931	*25	..	*42,571	*31
	2019	*40,623	*2,875	*22	..	*43,476	*31
	2020	*37,318	*2,457	*25	..	*39,750	*28

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
Indonesia	2017	*2,795	523	0	..	*3,318	*13
	2018	*3,214	*170	0	..	*3,384	*13
	2019	*433	*160	0	..	*593	*2
	2020	*433	*160	..	..	*593	*2
Iran (Islamic Rep. of)	2017	1,317	122	51	1	1,387	16
	2018	1,349	354	361	-2	1,344	16
	2019	1,192	354	361	-2	1,187	14
	2020	1,214	354	361	-2	1,209	14
Japan	2017	33,401	1,273	1,232	-80	33,522	265
	2018	33,492	1,595	1,437	62	33,587	266
	2019	33,462	708	1,595	-33	32,608	259
	2020	30,029	870	3,242	6	27,652	221
Jordan	2017	..	44	..	..	44	4
	2018	..	64	..	..	64	6
	2019	..	65	..	..	65	6
	2020	..	64	..	..	64	6
Kazakhstan	2017	2,989	952	48	..	3,894	213
	2018	2,916	933	67	77	3,705	200
	2019	2,668	1,059	34	-49	3,742	200
	2020	2,450	994	10	-44	3,479	183
Korea, Dem.Ppl's.Rep.	2017	..	179	..	..	179	7
	2018	..	133	..	..	133	5
	2019	..	112	..	..	112	4
	2020	..	116	..	..	116	4
Korea, Republic of	2017	16,600	335	..	..	16,934	329
	2018	17,468	324	..	..	17,792	344
	2019	16,762	308	..	..	17,070	330
	2020	15,901	266	..	..	16,167	312
Other Asia	2017	6,056	274	46	-8	6,292	266
	2018	6,345	300	24	1	6,620	279
	2019	6,175	260	19	39	6,376	268
	2020	5,955	248	117	137	5,949	250
Philippines	2017	..	294	..	..	294	3
	2018	..	307	..	..	307	3
	2019	..	267	..	..	267	2
	2020	..	260	..	..	260	2
Saudi Arabia	2017	..	83	0	..	83	2
	2018	..	82	..	..	82	2
	2019	..	69	..	..	69	2
	2020	..	83	..	..	83	2
Syrian Arab Republic	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	1	..	..	1	0
Thailand	2017	..	88	..	30	58	1
	2018	..	18	..	-43	61	1
	2019	..	19	..	-50	69	1
	2020	..	17	..	-58	75	1
Türkiye	2017	4,463	834	126	35	5,136	63
	2018	4,477	814	118	29	5,144	62
	2019	4,422	666	141	111	4,836	58
	2020	4,362	679	153	-78	4,966	59

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 Arab Emirates	2017	..	2	0	..	2	0
	2018	..	25	0	..	25	3
	2019	..	5	0	..	5	1
	2020	..	1	0	..	1	0
Uzbekistan	2017	..	23	0	..	23	1
	2018	..	29	..	..	29	1
	2019	..	46	..	..	46	1
	2020	..	50	..	..	50	1
Viet Nam	2017	110	655	173	..	592	6
	2018	2,127	909	1	..	3,035	32
	2019	4,334	993	0	..	5,327	56
	2020	5,806	867	11	..	6,662	69
Europe	2017	91,476	11,714	13,072	259	89,859	120
	2018	78,801	11,545	13,021	719	76,607	102
	2019	94,515	11,298	12,451	633	92,728	124
	2020	89,006	9,251	12,357	-1,006	86,906	116
Austria	2017	1,397	1,167	40	-9	2,532	288
	2018	1,359	823	41	44	2,097	237
	2019	1,365	951	38	-90	2,369	267
	2020	1,370	816	30	46	2,111	237
Belarus	2017	..	57	..	-5	62	6
	2018	..	56	..	-1	57	6
	2019	..	47	..	-4	51	5
	2020	..	36	..	-2	38	4
Belgium	2017	1,236	507	14	-1	1,731	152
	2018	1,252	508	26	4	1,729	151
	2019	1,253	585	38	26	1,774	154
	2020	1,140	430	136	1	1,434	124
Bosnia and Herzegovina	2017	855	58	306	216	391	114
	2018	945	38	566	-12	429	126
	2019	907	46	455	26	472	140
	2020	784	29	368	-14	459	138
Bulgaria	2017	..	62	..	0	62	9
	2018	..	61	..	-1	62	9
	2019	..	62	..	0	62	9
	2020	..	70	..	7	63	9
Croatia	2017	..	31	..	0	32	8
	2018	..	30	..	-1	31	7
	2019	..	28	..	-3	31	8
	2020	..	29	..	-1	30	7
Czechia	2017	2,676	522	646	23	2,529	240
	2018	2,738	529	636	-25	2,656	252
	2019	2,536	465	593	-7	2,415	229
	2020	2,381	439	529	-39	2,330	221
Denmark	2017	..	12	..	0	12	2
	2018	..	14	..	2	13	2
	2019	..	9	..	-1	10	2
	2020	..	11	..	8	3	1
Estonia	2017	19	..	19	..	0	0
	2018	14	..	13	1	0	0
	2019	23	..	20	3	0	0
	2020	15	..	19	-4	0	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
Finland	2017	900	255	137	42	976	177
	2018	899	311	107	38	1,065	193
	2019	874	322	202	84	910	165
	2020	796	301	134	49	914	165
France	2017	3,356	494	6	219	3,625	55
	2018	3,346	608	50	-39	3,942	59
	2019	3,255	631	6	36	3,844	58
	2020	2,417	493	13	21	2,877	43
Germany	2017	9,392	2,297	842	30	10,817	131
	2018	9,361	2,301	838	9	10,815	130
	2019	8,822	1,903	761	..	9,964	120
	2020	7,872	1,600	746	..	8,726	105
Hungary	2017	999	110	374	8	727	74
	2018	997	96	303	56	734	75
	2019	932	45	317	-15	675	69
	2020	866	16	257	16	609	62
Iceland	2017	..	19	..	..	19	55
	2018	..	21	..	..	21	60
	2019	..	11	..	..	11	30
	2020	..	17	..	..	17	47
Italy	2017	1,717	684	342	2	2,056	34
	2018	1,860	654	361	-14	2,167	36
	2019	1,759	582	292	12	2,037	34
	2020	1,292	427	305	-13	1,426	24
Lithuania	2017	..	16	..	-1	17	6
	2018	..	19	..	0	19	7
	2019	..	17	..	0	17	6
	2020	..	18	..	0	18	6
Luxembourg	2017	..	1	..	..	1	1
	2018	..	0	..	..	0	1
	2019	..	1	..	..	1	1
	2020	..	0	..	..	0	0
Netherlands	2017	2,036	46	112	-81	2,051	119
	2018	2,060	58	33	39	2,045	118
	2019	2,054	52	75	33	1,998	115
	2020	1,947	41	272	-52	1,769	101
North Macedonia	2017	..	5	0	4	1	1
	2018	..	0	0	0	0	0
	2019	..	1	..	0	1	0
	2020	..	1	..	0	1	0
Norway	2017	..	411	..	-14	425	81
	2018	..	416	0	-11	428	80
	2019	..	360	0	0	359	67
	2020	..	323	0	-2	325	60
Poland	2017	9,790	211	6,855	-93	3,240	84
	2018	9,849	214	6,948	140	2,974	77
	2019	9,277	189	6,526	217	2,724	71
	2020	8,096	193	6,644	-326	1,971	51
Portugal	2017	..	12	..	0	12	1
	2018	..	9	..	0	9	1
	2019	..	9	..	0	10	1
	2020	..	10	..	2	8	1

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	2017	..	761	0	34	726	37
	2018	..	721	0	-26	748	38
	2019	..	795	0	26	769	39
	2020	..	665	0	-49	713	37
Russian Federation	2017	40,602	105	2,920	-62	37,849	260
	2018	27,094	120	2,739	-12	24,487	168
	2019	45,999	66	2,798	15	43,252	297
	2020	45,926	78	2,687	-603	43,920	302
Serbia	2017	..	719	3	-3	718	96
	2018	..	774	0	-64	838	113
	2019	..	812	..	32	780	105
	2020	..	467	..	-29	497	68
Slovakia	2017	1,637	258	70	31	1,794	330
	2018	1,645	305	59	88	1,803	331
	2019	1,454	235	124	108	1,457	267
	2020	1,206	170	40	47	1,289	236
Slovenia	2017	..	30	..	0	30	14
	2018	..	30	..	0	30	14
	2019	..	31	..	0	30	14
	2020	..	28	..	0	28	13
Spain	2017	1,580	261	132	-50	1,759	38
	2018	1,484	770	265	320	1,669	36
	2019	878	841	143	110	1,466	31
	2020	567	888	96	12	1,347	28
Sweden	2017	1,155	96	30	-104	1,325	132
	2018	1,105	234	9	91	1,239	122
	2019	1,105	456	49	137	1,375	134
	2020	1,070	129	23	-24	1,200	116
Switzerland	2017	..	14	..	..	14	2
	2018	..	15	..	..	15	2
	2019	..	12	0	..	12	1
	2020	..	13	..	..	13	1
Ukraine	2017	10,696	1,550	225	66	11,955	268
	2018	11,460	840	26	7	12,267	276
	2019	10,651	877	14	37	11,476	260
	2020	9,987	382	58	-49	10,360	236
United Kingdom	2017	1,433	943	0	6	2,370	36
	2018	1,334	970	..	87	2,217	33
	2019	1,370	857	..	-148	2,375	36
	2020	1,274	1,129	..	-8	2,411	36
Latin America & Carib.	2017	14,908	2,791	2,673	96	14,930	24
	2018	15,753	3,125	3,173	582	15,122	24
	2019	14,439	2,653	3,199	63	13,829	21
	2020	13,676	2,418	3,489	-213	12,817	20
Argentina	2017	716	..	..	..	716	16
	2018	792	..	..	..	792	18
	2019	541	..	..	..	541	12
	2020	596	..	..	..	596	13
Brazil	2017	9,837	1,538	..	113	11,262	54
	2018	10,159	1,839	..	532	11,466	55
	2019	9,260	1,307	..	47	10,520	50
	2020	8,512	1,358	..	-160	10,030	47

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
Chile	2017	386	0	52	-3	337	18
	2018	410	..	31	49	329	18
	2019	391	1	52	-31	371	20
	2020	398	1	134	-22	287	15
Colombia	2017	2,585	..	2,522	..	63	1
	2018	3,138	..	3,099	..	40	1
	2019	3,188	..	3,147	..	40	1
	2020	3,392	..	3,355	..	37	1
Cuba	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	0
El Salvador	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	0	..	..	0	0
Guyana	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	19	..	..	19	24
	2020	..	1	..	..	1	1
Mexico	2017	1,384	1,187	99	..	2,472	20
	2018	1,254	1,205	44	..	2,415	19
	2019	1,059	1,219	..	..	2,278	18
	2020	778	1,025	..	..	1,803	14
Peru	2017	..	65	0	-14	79	3
	2018	..	79	0	1	78	2
	2019	..	105	0	47	58	2
	2020	..	32	..	-31	63	2
Northern America	2017	13,949	1,264	1,102	-260	14,371	39
	2018	15,045	1,207	1,083	-290	15,459	42
	2019	14,103	772	999	193	13,683	37
	2020	11,556	907	699	-70	11,834	32
Bermuda	2017	..	0	..	..	0	1
	2018	..	0	..	..	0	1
	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	1
Canada	2017	2,203	1,211	5	-241	3,650	100
	2018	2,520	1,101	39	-105	3,687	100
	2019	2,428	667	121	115	2,859	76
	2020	2,164	760	79	-107	2,952	78
United States	2017	11,746	53	1,097	-19	10,721	33
	2018	12,525	106	1,044	-185	11,772	35
	2019	11,675	105	878	78	10,824	32
	2020	9,392	147	620	37	8,882	26
Oceania	2017	3,298	186	473	..	3,011	72
	2018	3,169	235	575	..	2,829	67
	2019	2,893	448	657	..	2,684	62
	2020	3,023	417	814	..	2,626	60
Australia	2017	2,789	186	473	..	2,502	102
	2018	2,683	235	575	..	2,343	94
	2019	2,468	448	657	..	2,259	89
	2020	2,616	417	814	..	2,219	86

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
New Zealand	2017	509	..	..	..	509	107
	2018	486	..	..	..	486	101
	2019	425	..	..	..	425	86
	2020	407	..	..	..	407	80

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, 2020

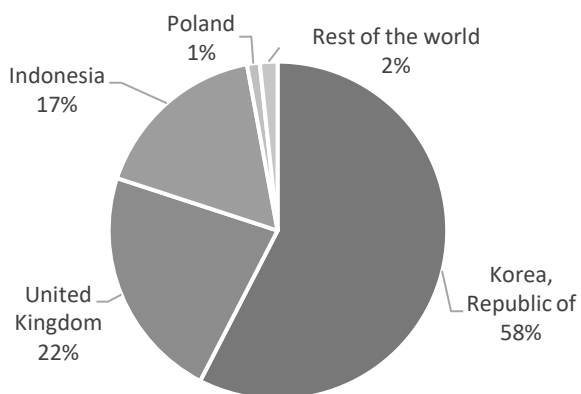


Figure 22: Major patent fuel consuming countries, 2020

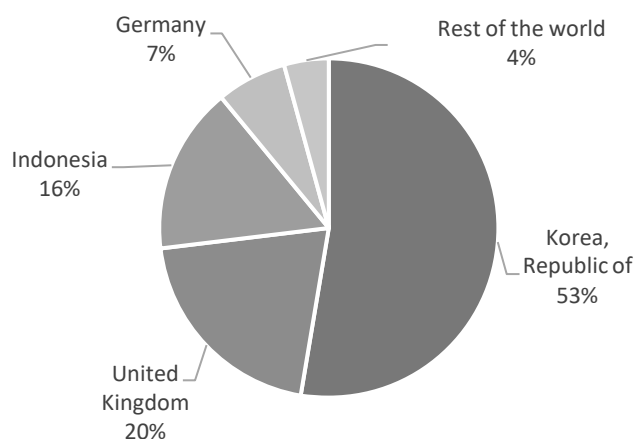


Table 9

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	2017	1,900	249	32	44	2,074	0
	2018	1,735	228	25	36	1,902	0
	2019	1,149	152	39	60	1,202	0
	2020	882	118	34	1	965	0
Africa	2017	5	..	..	..	5	0
	2018	5	..	..	..	5	0
	2019	5	..	..	..	5	0
	2020	6	..	..	..	6	0
Niger	2017	*5	..	..	..	*5	0
	2018	*5	..	..	..	*5	0
	2019	*5	..	..	..	*5	0
	2020	*6	..	..	..	*6	0
Asia	2017	1,692	15	2	46	1,658	0
	2018	1,519	17	0	52	1,483	0
	2019	956	15	0	76	894	0
	2020	668	12	0	..	680	0
Armenia	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	1	..	..	1	0
Indonesia	2017	*82	*4	0	*46	*40	0
	2018	*97	*5	0	*52	*50	0
	2019	*274	*4	..	*76	*202	*1
	2020	*150	*4	..	..	*154	*1
Korea, Republic of	2017	1,078	..	..	..	1,078	21
	2018	910	..	..	..	910	18
	2019	644	..	..	..	644	12
	2020	508	..	..	..	508	10
Saudi Arabia	2017	..	9	2	..	7	0
	2018	..	9	0	..	9	0
	2019	..	10	0	..	10	0
	2020	..	7	0	..	7	0
United Arab Emirates	2017	..	1	..	..	1	0
	2018	..	2	..	..	2	0
	2019	..	0	0	..	0	0
	2020	..	0	0	..	0	0
Uzbekistan	2017	532	..	..	..	532	17
	2018	512	..	..	..	512	16
	2019	38	..	..	..	38	1
	2020	10	..	..	..	10	0
Europe	2017	203	233	29	-2	408	1
	2018	211	209	25	-16	412	1
	2019	189	135	38	-16	301	0
	2020	209	104	34	1	278	0
Austria	2017	..	4	0	..	4	0
	2018	..	28	0	..	28	3
	2019	..	2	..	..	2	0
	2020	..	2	..	..	2	0
Belgium	2017	..	6	4	1	1	0
	2018	..	5	3	0	1	0
	2019	..	2	1	0	1	0
	2020	..	2	2	0	1	0

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
France	2017	..	26	..	..	26	0
	2018	..	12	..	..	12	0
	2019	..	9	..	..	9	0
	2020	..	6	..	0	6	0
Germany	2017	..	114	1	..	113	1
	2018	..	108	1	..	107	1
	2019	..	73	0	..	72	1
	2020	..	66	2	..	65	1
Poland	2017	2	14	4	0	12	0
	2018	14	12	9	5	13	0
	2019	7	22	26	-6	9	0
	2020	11	8	19	0	0	0
Slovakia	2017	..	11	..	..	11	2
	2018	..	11	..	..	11	2
	2019	..	9	..	..	9	2
	2020	..	7	..	..	7	1
United Kingdom	2017	201	57	20	-3	241	4
	2018	197	33	12	-21	239	4
	2019	182	18	11	-10	199	3
	2020	198	12	12	1	197	3
Latin America & Carib.	2017	..	2	..	..	2	0
	2018	..	2	..	..	2	0
	2019	..	2	..	..	2	0
	2020	..	2	..	..	2	0
Bahamas	2017	..	*2	..	..	*2	*5
	2018	..	*2	..	..	*2	*5
	2019	..	*2	..	..	*2	*5
	2020	..	*2	..	..	*2	*5

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, 1990-2020

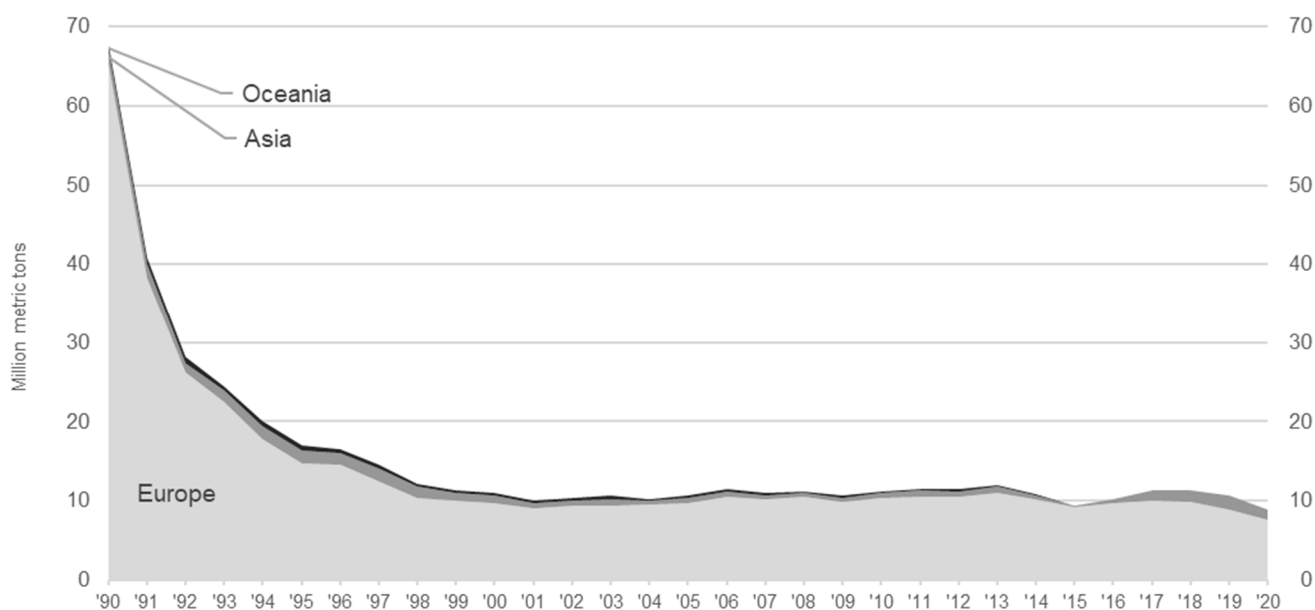


Figure 24: Major BKB and peat products producing countries, 2020

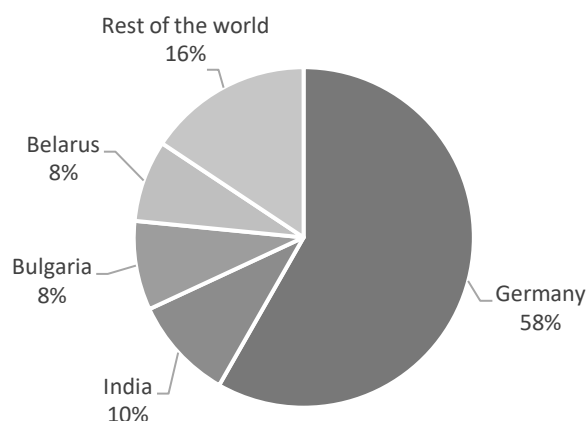


Figure 25: Major BKB and peat products consuming countries, 2020

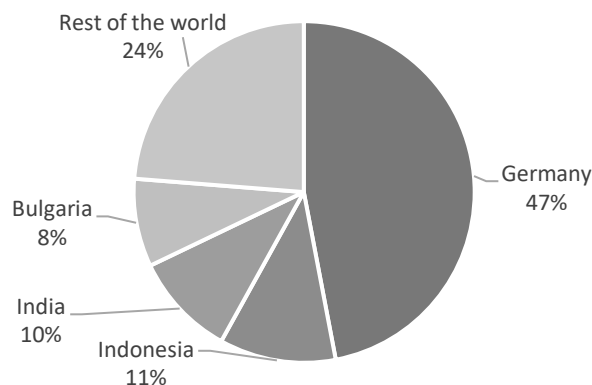


Table 10

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	2017	11,251	1,285	1,722	7	10,807	1
	2018	11,315	1,485	1,790	345	10,664	1
	2019	10,648	1,468	1,770	295	10,051	1
	2020	8,925	1,593	1,675	-35	8,877	1
Asia	2017	1,256	365	0	-124	1,744	0
	2018	1,431	544	3	19	1,953	0
	2019	1,760	605	203	20	2,143	0
	2020	1,372	921	387	..	1,905	0
Georgia	2017	..	2	0	..	2	1
	2018	..	3	3	..	0	0
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
India	2017	*464	..	..	..	*464	0
	2018	*461	..	..	..	*461	0
	2019	*475	..	..	..	*475	0
	2020	*874	..	..	..	*874	*1
Indonesia	2017	783	362	0	-124	1,268	5
	2018	964	540	0	19	1,485	6
	2019	1,021	603	203	20	1,401	5
	2020	456	914	387	..	983	4
Saudi Arabia	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	3	..	..	3	0
	2020	..	7	..	..	7	0
Uzbekistan	2017	9	..	..	..	9	0
	2018	6	..	..	..	6	0
	2019	264	..	..	..	264	8
	2020	41	..	..	..	41	1
Europe	2017	9,996	918	1,722	141	9,050	12
	2018	9,884	939	1,787	326	8,709	12
	2019	8,888	860	1,567	276	7,905	11
	2020	7,553	670	1,288	-35	6,970	9
Austria	2017	..	14	0	..	13	2
	2018	..	13	0	..	13	1
	2019	..	10	0	..	10	1
	2020	..	10	0	..	10	1
Belarus	2017	976	..	109	33	834	86
	2018	1,055	..	164	35	856	88
	2019	962	..	120	75	767	79
	2020	694	..	64	-44	674	70
Belgium	2017	..	366	..	0	365	32
	2018	..	383	..	0	383	33
	2019	..	324	..	..	324	28
	2020	..	229	..	1	229	20
Bulgaria	2017	1,192	0	..	99	1,093	152
	2018	980	..	..	210	770	108
	2019	749	..	..	134	615	87
	2020	757	..	..	16	741	106
Czechia	2017	128	225	105	2	246	23
	2018	145	236	126	2	253	24
	2019	136	209	113	3	229	22
	2020	154	194	133	-2	217	21

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
France	2017	..	57	..	0	57	1
	2018	..	45	..	0	45	1
	2019	..	51	..	0	51	1
	2020	..	17	..	0	17	0
Germany	2017	6,705	8	1,486	..	5,227	63
	2018	6,612	14	1,477	30	5,119	62
	2019	5,949	14	1,318	17	4,628	56
	2020	5,203	15	1,067	-22	4,173	50
Hungary	2017	..	46	..	..	46	5
	2018	..	41	..	..	41	4
	2019	..	39	..	..	39	4
	2020	..	33	..	..	33	3
Ireland	2017	170	26	14	14	168	35
	2018	146	23	16	-34	187	39
	2019	123	21	13	-16	146	30
	2020	141	24	13	-14	166	34
Latvia	2017	1	..	..	0	1	0
	2018	1	..	1	-1	1	1
	2019	2	..	1	0	1	1
	2020	2	..	1	0	1	1
Lithuania	2017	5	59	4	-5	65	22
	2018	4	73	1	1	75	26
	2019	3	58	1	-1	61	21
	2020	3	39	0	-1	42	15
Luxembourg	2017	..	9	..	..	9	16
	2018	..	9	..	..	9	14
	2019	..	9	..	..	9	14
	2020	..	9	..	..	9	14
Netherlands	2017	..	42	..	..	42	2
	2018	..	38	..	..	38	2
	2019	..	43	..	..	43	2
	2020	..	11	..	..	11	1
Poland	2017	..	29	2	0	27	1
	2018	..	44	..	0	44	1
	2019	..	41	1	0	40	1
	2020	..	6	..	0	6	0
Russian Federation	2017	26	0	2	0	24	0
	2018	29	0	0	0	30	0
	2019	31	..	..	0	31	0
	2020	43	..	..	14	29	0
Serbia	2017	513	5	0	12	505	68
	2018	422	2	2	-15	437	59
	2019	360	3	..	-45	407	55
	2020	399	1	..	11	389	53
Slovakia	2017	..	32	..	1	31	6
	2018	..	17	..	-1	18	3
	2019	..	38	..	-1	39	7
	2020	..	39	..	-1	40	7
Ukraine	2017	281	..	..	-15	296	7
	2018	490	..	..	99	391	9
	2019	574	..	..	110	464	10
	2020	159	42	10	11	180	4

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
Latin America & Carib.	2017	..	2	..	..	2	0
	2018	..	1	..	..	1	0
	2019	..	2	..	..	2	0
	2020	..	2	..	..	2	0
Mexico	2017	..	2	..	..	2	0
	2018	..	1	..	..	1	0
	2019	..	2	..	..	2	0
	2020	..	2	..	..	2	0
Oceania	2017	..	..	..	-10	10	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	..	..	..	..	..
Australia	2017	..	..	..	-10	10	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	..	..	..	..	..

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, 1990-2020

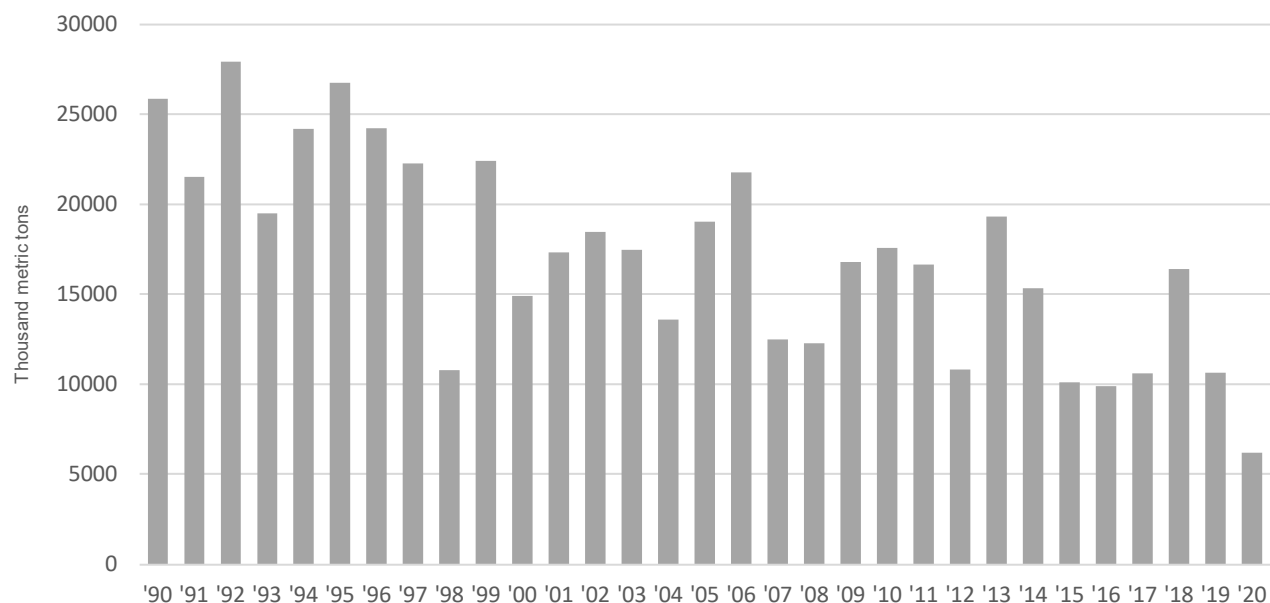


Figure 27: Major peat producing countries, 2020

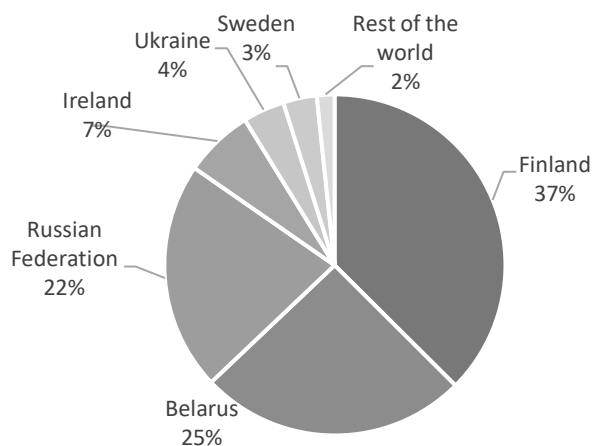


Figure 28: Major peat consuming countries, 2020

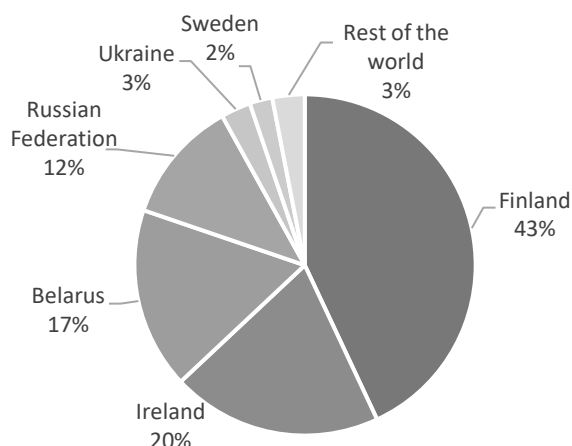


Table 11

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	2017	10,613	243	165	-2,329	13,020	2
	2018	16,403	328	183	2,383	14,164	2
	2019	10,632	319	246	-2,177	12,882	2
	2020	6,200	269	289	-3,426	9,607	1
Africa	2017	22	..	..	..	22	0
	2018	27	..	..	..	27	0
	2019	37	..	..	..	37	0
	2020	23	..	..	..	23	0
Burundi	2017	14	..	..	..	14	1
	2018	12	..	..	..	12	1
	2019	15	..	..	..	15	1
	2020	10	..	..	..	10	1
Rwanda	2017	*8	..	..	..	*8	*1
	2018	*16	..	..	..	*16	*1
	2019	*22	..	..	..	*22	*2
	2020	*13	..	..	..	*13	*1
Asia	2017	0	30	0	..	30	0
	2018	3	31	3	..	31	0
	2019	4	38	4	..	38	0
	2020	5	44	5	..	44	0
Georgia	2017	0	2	0	..	2	1
	2018	3	3	3	..	3	1
	2019	4	7	4	..	7	2
	2020	5	7	5	..	7	2
Saudi Arabia	2017	..	26	0	..	26	1
	2018	..	27	0	..	27	1
	2019	..	29	0	..	29	1
	2020	..	35	0	..	35	1
Uzbekistan	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	3	..	..	3	0
	2020	..	2	..	..	2	0
Europe	2017	10,586	209	165	-2,329	12,960	17
	2018	16,367	272	180	2,383	14,076	19
	2019	10,585	259	242	-2,177	12,780	17
	2020	6,168	219	284	-3,426	9,529	13
Belarus	2017	2,045	..	..	-28	2,073	214
	2018	2,354	..	..	141	2,213	228
	2019	2,269	..	..	205	2,064	213
	2020	1,578	..	..	-76	1,654	172
Estonia	2017	32	..	31	-162	163	124
	2018	92	..	0	-49	141	107
	2019	65	..	..	-31	96	72
	2020	55	..	..	-64	119	89
Finland	2017	3,085	26	..	-2,304	5,415	983
	2018	7,646	44	..	1,606	6,084	1,103
	2019	4,207	54	..	-1,164	5,425	983
	2020	2,325	36	..	-1,779	4,140	749
Ireland	2017	3,593	..	..	181	3,412	715
	2018	3,871	..	..	687	3,184	659
	2019	1,706	..	..	-1,171	2,877	588
	2020	408	..	..	-1,504	1,912	386

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
Latvia	2017	2	..	1	-2	3	2
	2018	7	..	1	-6	12	6
	2019	8	..	..	2	5	3
	2020	0	..	1	-4	3	2
Lithuania	2017	24	..	1	-29	52	18
	2018	28	..	3	-26	51	18
	2019	30	..	2	-3	31	11
	2020	18	..	1	-3	20	7
Romania	2017	7	50	0	0	56	3
	2018	6	65	0	0	71	4
	2019	1	70	1	..	70	4
	2020	2	76	0	..	78	4
Russian Federation	2017	903	41	102	0	842	6
	2018	1,288	44	157	57	1,118	8
	2019	1,398	40	230	-30	1,237	8
	2020	1,343	55	272	4	1,122	8
Sweden	2017	377	74	..	..	451	45
	2018	535	97	..	..	632	62
	2019	362	60	..	..	422	41
	2020	197	10	..	..	207	20
Ukraine	2017	518	18	29	15	492	11
	2018	540	22	19	-27	570	13
	2019	540	35	9	13	553	13
	2020	242	42	10	..	274	6
Latin America & Carib.	2017	5	4	..	..	9	0
	2018	5	25	..	..	30	0
	2019	5	21	..	..	26	0
	2020	5	6	..	..	11	0
Falkland Is. (Malvinas)	2017	5	..	..	..	5	1,390
	2018	5	..	..	..	5	1,368
	2019	5	..	..	..	5	1,348
	2020	5	..	..	..	5	1,334
Guyana	2017	..	..	..	..	..	..
	2018	..	20	..	..	20	26
	2019	..	17	..	..	17	21
	2020	..	0	..	..	0	1
Uruguay	2017	..	4	..	..	4	1
	2018	..	4	..	..	4	1
	2019	..	4	..	..	4	1
	2020	..	5	..	..	5	2

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) or from the FAOSTAT database of the Food and Agriculture Organization of the United Nations.

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, 1990-2020

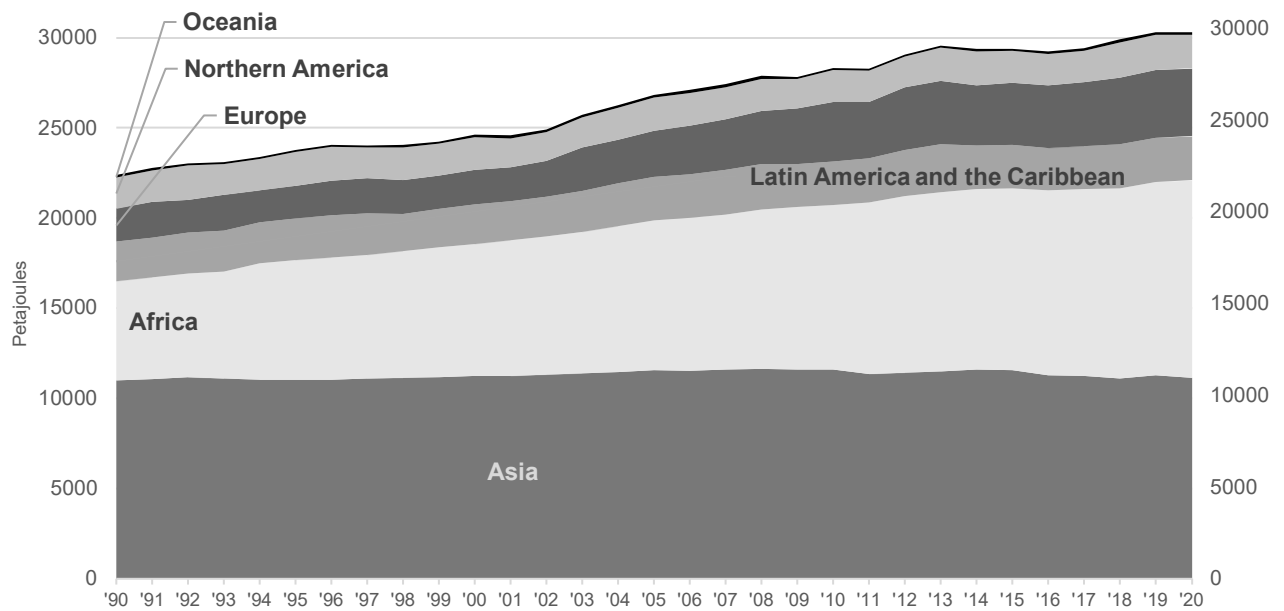


Figure 30: Production of charcoal by region, 1990-2020

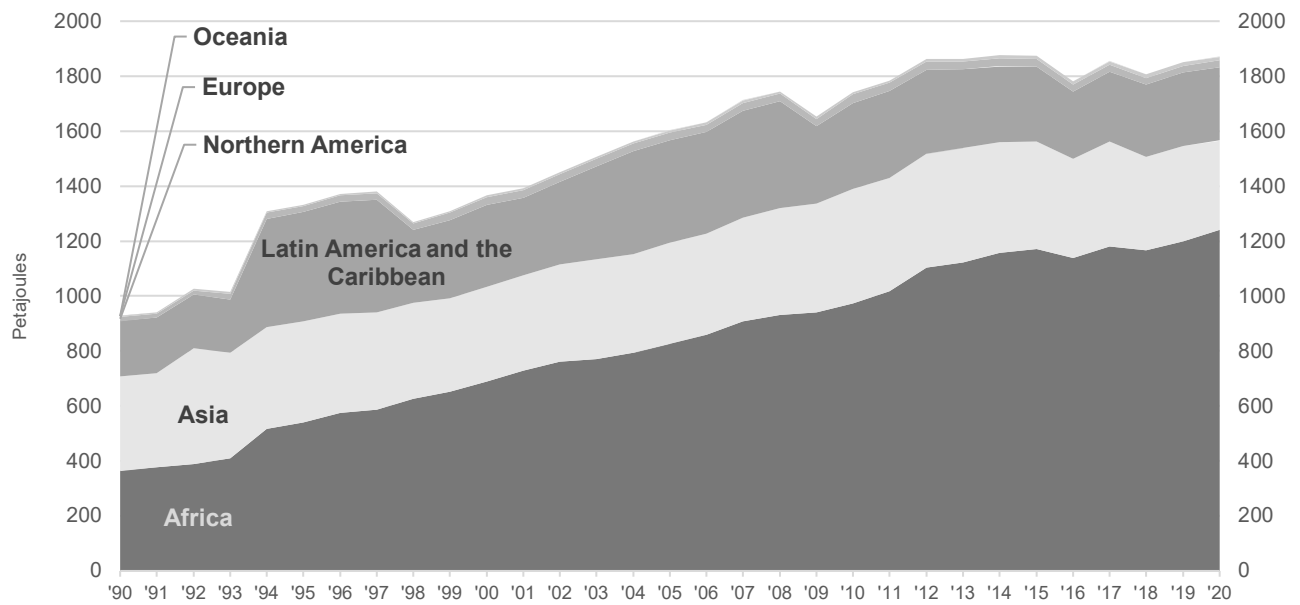


Figure 31: Production of total solid biofuels by region, 2020

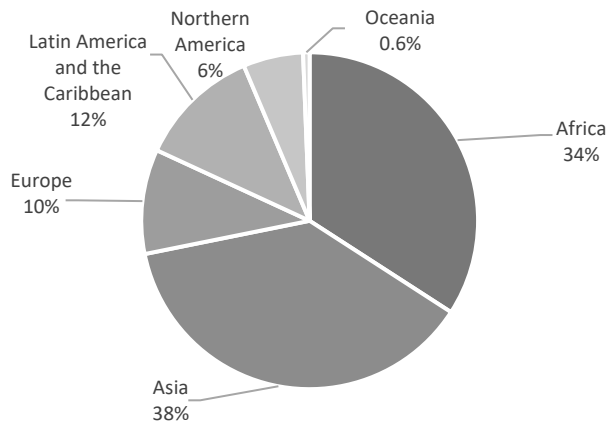


Figure 32: Production of biogases by region, 2020

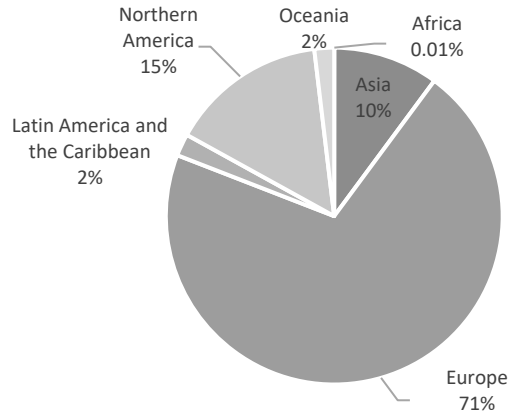


Figure 33: Production of bagasse by region, 2020

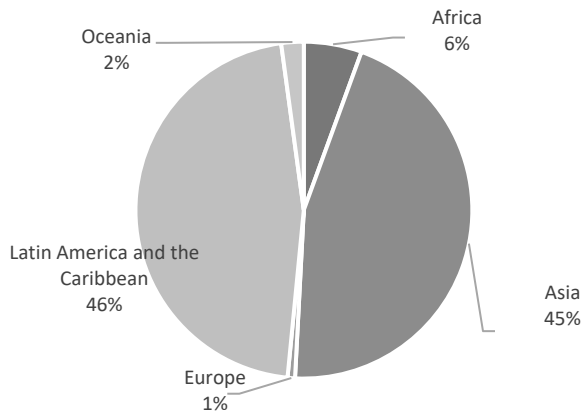


Figure 34: Production of liquids biofuels by region, 2020

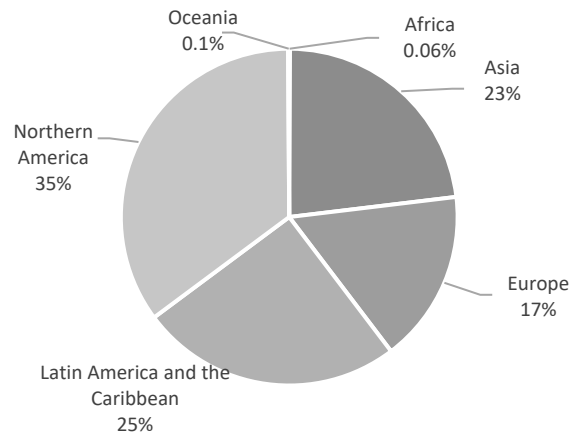


Figure 35: Production of energy from waste by region, 2020

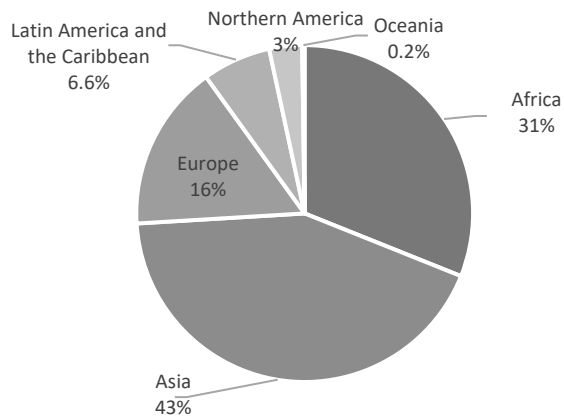


Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
World	2017	29,416,201	317,264	8,876,031	3,890,138	1,674,517	1,854,378
	2018	29,892,932	317,464	8,933,972	4,088,091	1,790,488	1,807,059
	2019	30,330,580	320,103	8,900,537	4,057,183	1,810,389	1,850,563
	2020	30,295,861	324,476	8,813,247	4,112,134	1,711,610	1,871,084
Africa	2017	10,379,364	164,689	3,200,302	207,023	..	1,180,440
	2018	10,544,521	168,070	3,277,333	217,860	..	1,165,772
	2019	10,713,824	171,834	3,384,399	235,845	..	1,199,285
	2020	10,981,131	176,069	3,458,688	228,581	..	1,241,554
Algeria	2017	484	..	..	..	..	..
	2018	1,032	..	..	..	..	..
	2019	484	..	..	..	..	..
	2020	425	..	..	..	..	..
Angola	2017	159,460	..	103,650	*1,248	..	33,276
	2018	161,604	..	105,044	*1,382	..	33,778
	2019	163,722	..	106,421	*1,422	..	34,214
	2020	165,838	..	107,797	*1,429	..	34,663
Benin	2017	105,436	..	4,169	..	..	14,937
	2018	108,829	..	4,411	..	..	15,258
	2019	117,219	..	3,386	..	..	16,409
	2020	120,634	..	3,595	..	..	16,887
Botswana	2017	6,388	..	..	..	..	2,216
	2018	6,389	..	..	..	..	2,216
	2019	6,390	..	..	..	..	2,216
	2020	6,391	..	..	..	..	2,216
Burkina Faso	2017	128,164	..	..	*633	..	*7,523
	2018	129,653	..	..	*633	..	*7,641
	2019	131,169	..	..	1,061	..	*7,700
	2020	*131,736	..	..	*927	..	*7,847
Burundi	2017	54,801	..	..	552	..	7,788
	2018	54,801	..	..	492	..	7,788
	2019	54,801	..	..	468	..	7,788
	2020	54,801	..	..	514	..	7,788
Cabo Verde	2017	*1,413	..	..	..	..	*19
	2018	*1,399	..	..	..	..	*19
	2019	*1,385	..	..	..	..	*20
	2020	*1,370	..	..	..	..	*19
Cameroon	2017	268,800	..	5,271	1,537	..	7,148
	2018	275,912	..	5,411	1,551	..	7,337
	2019	283,134	..	5,552	1,605	..	7,529
	2020	290,465	..	5,696	1,613	..	7,724
Central African Rep.	2017	*33,327	..	..	..	..	*422
	2018	*33,579	..	..	..	..	*434
	2019	*33,831	..	..	..	..	*445
	2020	*34,058	..	..	..	..	*454
Chad	2017	71,920	..	..	*914	..	14,131
	2018	72,916	..	..	*949	..	14,485
	2019	73,920	..	..	*985	..	14,839
	2020	74,948	..	..	*927	..	15,200
Comoros	2017	3,715	..	17	..	..	5
	2018	3,799	..	18	..	..	*5
	2019	*3,818	..	*18	..	..	*5
	2020	*3,837	..	*18	..	..	*5
Congo	2017	51,186	..	15,641	..	..	6,805
	2018	51,911	..	15,862	..	..	6,902
	2019	52,647	..	16,087	..	..	6,999
	2020	53,394	..	16,316	..	..	7,099

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
1,075,006	1,366,840	2,177,787	1,483,096	996,834	51,273,715
1,136,818	1,380,729	2,330,170	1,669,098	1,023,886	52,563,647
1,187,504	1,390,011	2,366,057	1,800,033	1,031,788	53,194,185
1,182,309	1,390,996	2,153,006	1,790,927	1,057,432	52,831,999
3,106	..	1,480	..	109	13,956,073
3,106	..	2,244	..	128	14,213,262
3,106	..	2,259	..	118	14,511,386
2,881	..	2,431	..	134	14,849,916
..	484
..	1,032
..	484
..	425
..	264,358
..	268,031
..	271,566
..	275,064
..	109,605
..	113,240
..	120,604
..	124,229
..	6,388
..	6,389
..	6,390
..	6,391
..	*36	128,833
..	*36	130,322
..	*36	132,267
..	*36	*132,698
..	55,353
..	55,293
..	55,268
..	55,315
..	*1,413
..	*1,399
..	*1,385
..	*1,370
..	7	275,615
..	7	282,881
..	7	290,298
..	7	297,781
..	*33,327
..	*33,579
..	*33,831
..	*34,058
..	72,834
..	73,865
..	74,906
..	75,874
..	3,732
..	3,816
..	*3,835
..	*3,854
..	66,827
..	67,773
..	68,734
..	69,710

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					Charcoal
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	
Côte d'Ivoire	2017	262,429	..	1,986	..	..	44,180
	2018	259,853	..	2,131	..	..	43,735
	2019	265,745	..	2,262	..	..	44,901
	2020	275,235	..	2,306	..	..	45,594
Dem. Rep. of the Congo	2017	1,176,516	..	..	3,014	..	120,354
	2018	1,190,695	..	..	4,654	..	121,858
	2019	1,206,201	..	..	4,131	..	121,858
	2020	1,221,496	..	..	4,131	..	129,559
Djibouti	2017	3,605	..	..	..	..	1,574
	2018	3,650	..	..	..	..	1,595
	2019	3,696	..	..	..	..	1,615
	2020	3,743	..	..	..	..	1,636
Egypt	2017	140,736	..	..	*23,412	..	42,625
	2018	141,672	..	..	*23,915	..	42,950
	2019	142,632	..	..	*23,939	..	43,279
	2020	143,592	..	..	32,247	..	43,610
Equatorial Guinea	2017	4,083	..	..	..	..	310
	2018	4,083	..	..	..	..	324
	2019	4,083	..	..	..	..	324
	2020	4,083	..	..	..	..	338
Eritrea	2017	25,502	2,701	1,472	..	..	4,724
	2018	25,797	2,733	1,489	..	..	4,782
	2019	26,133	2,770	1,508	..	..	4,841
	2020	26,500	2,808	1,529	..	..	4,908
Eswatini	2017	12,062	..	..	12,365	..	266
	2018	12,174	..	..	12,974	..	*295
	2019	12,094	..	..	14,729	..	*295
	2020	12,038	..	..	*14,455	..	*295
Ethiopia	2017	1,010,532	155,887	152,800	9,158	..	130,275
	2018	1,021,978	159,501	156,343	*8,494	..	133,272
	2019	1,033,598	163,179	159,948	*7,722	..	136,340
	2020	1,045,400	167,379	164,065	*7,915	..	139,476
Gabon	2017	*50,778	..	2,180	628	..	676
	2018	*51,975	..	2,138	641	..	687
	2019	*52,070	..	2,749	649	..	698
	2020	*52,290	..	2,720	*656	..	709
Gambia	2017	6,921	..	..	..	..	2,008
	2018	6,997	..	..	..	..	2,045
	2019	7,074	..	..	..	..	2,083
	2020	7,153	..	..	..	..	2,121
Ghana	2017	161,583	..	..	..	..	50,153
	2018	176,833	..	..	..	..	52,963
	2019	173,064	..	..	..	..	52,066
	2020	178,994	..	..	..	..	54,453
Guinea	2017	112,388	..	..	629	..	11,907
	2018	112,730	..	..	*638	..	12,140
	2019	113,089	..	..	*647	..	12,377
	2020	113,461	..	..	*649	..	12,619
Guinea-Bissau	2017	26,119	..	..	..	..	2,221
	2018	26,434	..	..	..	..	2,271
	2019	26,434	..	..	..	..	2,271
	2020	27,073	..	..	..	..	2,374
Kenya	2017	515,908	..	26,055	14,367	..	151,040
	2018	*515,908	..	25,879	11,676	..	115,758
	2019	*527,802	..	*26,474	*11,946	..	118,413
	2020	*539,897	..	*22,985	*11,907	..	121,127

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	264,415
..	261,984
..	268,008
..	277,541
..	1,179,530
..	1,195,349
..	1,210,332
..	1,225,627
..	3,605
..	3,650
..	3,696
..	3,743
..	164,148
..	165,587
..	166,571
..	175,839
..	4,083
..	4,083
..	4,083
..	4,083
..	29,675
..	30,019
..	30,411
..	30,837
..	24,427
..	25,148
..	26,823
..	*26,493
..	..	134	..	..	1,328,511
..	..	161	..	..	1,346,477
..	..	170	..	..	1,364,617
..	..	217	..	..	1,384,977
..	*53,586
..	*54,754
..	*55,467
..	*55,667
..	6,921
..	6,997
..	7,074
..	7,153
..	161,583
..	176,833
..	173,064
..	178,994
..	113,017
..	113,367
..	113,736
..	114,110
..	26,119
..	26,434
..	26,434
..	27,073
..	5	556,335
..	4	*553,467
..	4	*566,226
..	2	*574,791

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Lesotho	2017	10,576	3,995	1,441	..	..	510
	2018	*9,994	*3,481	*1,459	..	..	153
	2019	*9,793	*3,412	*1,473	..	..	*153
	2020	*9,857	*3,402	*1,476	..	..	*177
Liberia	2017	81,091	..	..	..	..	8,891
	2018	83,734	..	..	..	..	9,197
	2019	86,462	..	..	..	..	9,513
	2020	89,276	..	..	..	..	9,853
Libya	2017	24,602	..	..	..	..	3,338
	2018	24,884	..	..	..	..	3,371
	2019	25,169	..	..	..	..	3,405
	2020	25,450	..	..	..	..	3,439
Madagascar	2017	266,494	..	..	2,851	..	23,680
	2018	299,749	..	..	2,497	..	27,199
	2019	312,613	..	..	2,487	..	28,497
	2020	*325,117	..	..	*2,462	..	*29,636
Malawi	2017	53,435	..	..	6,772	..	17,047
	2018	53,973	..	..	*6,772	..	17,429
	2019	54,605	..	..	*6,772	..	17,819
	2020	55,178	..	..	*6,772	..	17,819
Mali	2017	*153,587	..	..	*1,457	..	15,340
	2018	*155,249	..	..	*1,457	..	15,488
	2019	*156,665	..	..	*1,457	..	*15,635
	2020	*158,109	..	..	*1,457	..	*15,635
Mauritania	2017	19,448	..	..	..	..	6,534
	2018	19,814	..	..	..	..	6,682
	2019	20,179	..	..	..	..	6,844
	2020	20,563	..	..	..	..	6,992
Mauritius	2017	266	..	..	9,382	..	15
	2018	204	..	..	8,690	..	15
	2019	162	..	..	8,541	..	12
	2020	145	..	..	7,087	..	6
Morocco	2017	63,022	..	..	1,196	..	585
	2018	61,328	..	..	1,332	..	596
	2019	60,568	..	..	1,122	..	608
	2020	59,087	..	..	*1,158	..	622
Mozambique	2017	285,973	..	13,552	9,777	..	47,742
	2018	290,683	..	13,343	9,706	..	48,182
	2019	295,388	..	13,145	9,520	..	48,647
	2020	300,132	..	12,966	8,988	..	49,125
Namibia	2017	13,711	..	1,586	..	..	4,868
	2018	15,718	..	1,601	..	..	5,399
	2019	18,426	..	1,592	..	..	5,508
	2020	20,161	..	1,491	..	..	7,592
Niger	2017	*54,496	*584	*470	..	..	1,593
	2018	*65,932	*803	*647	..	..	1,652
	2019	*68,537	*876	*705	..	..	1,711
	2020	*71,283	*949	*763	..	..	1,800
Nigeria	2017	2,330,370	..	2,451,619	633	..	118,962
	2018	2,347,592	..	2,515,866	757	..	120,959
	2019	2,365,280	..	2,581,230	*541	..	122,991
	2020	2,383,436	..	2,647,712	*548	..	125,056
Rwanda	2017	*84,179	..	..	232	..	*18,349
	2018	*84,526	..	..	253	..	*18,467
	2019	*84,526	..	..	248	..	*18,467
	2020	*84,800	..	..	*243	..	*18,556

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	16,012
..	*14,934
..	*14,677
..	*14,735
..	81,091
..	83,734
..	86,462
..	89,276
..	24,602
..	24,884
..	25,169
..	25,450
..	269,345
..	302,246
..	315,100
..	*327,579
*98	..	301	..	..	60,606
*98	..	419	..	..	61,262
*98	..	371	..	..	61,847
*98	..	307	..	..	62,355
..	*155,044
..	*156,706
..	*158,122
..	*159,566
..	19,448
..	19,814
..	20,179
..	20,563
..	61	9,709
..	81	8,975
..	71	8,775
..	89	7,321
3,008	67,227
3,008	65,669
3,008	64,698
2,783	63,028
..	309,302
..	313,732
..	318,053
..	322,086
..	15,297
..	17,319
..	20,018
..	21,652
..	*55,550
..	*67,382
..	*70,118
..	*72,995
..	4,782,622
..	4,864,215
..	4,947,051
..	5,031,696
..	*84,411
..	*84,779
..	*84,774
..	*85,043

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	2017	1,033	..	..	..	..	286
	2018	1,039	..	..	..	..	289
	2019	1,039	..	..	..	..	289
	2020	1,051	..	..	..	..	295
Senegal	2017	64,534	..	252	2,706	..	5,575
	2018	63,838	..	252	3,536	..	5,387
	2019	65,601	..	1,513	5,880	..	5,476
	2020	75,144	..	1,680	5,909	..	6,728
Seychelles	2017	29	..	..	..	..	..
	2018	29	..	..	..	..	..
	2019	29	..	..	..	..	..
	2020	29	..	..	..	..	..
Sierra Leone	2017	53,723	..	*72	201	..	13,334
	2018	54,143	..	*72	*201	..	13,629
	2019	54,572	..	*72	*201	..	13,924
	2020	55,038	..	*72	*201	..	14,249
Somalia	2017	138,909	..	..	*527	..	37,447
	2018	142,539	..	..	*530	..	38,816
	2019	146,278	..	..	*550	..	40,235
	2020	150,132	..	..	*548	..	41,704
South Africa	2017	208,834	..	..	51,052	..	13,152
	2018	183,523	..	..	56,670	..	11,250
	2019	189,067	..	..	57,200	..	11,447
	2020	206,308	..	..	53,494	..	12,750
South Sudan	2017	9,478	..	..	..	..	325
	2018	7,952	..	..	..	..	345
	2019	8,014	..	..	..	..	348
	2020	8,110	..	..	..	..	352
St. Helena and Depend.	2017	6	..	..	..	..	..
	2018	5	..	..	..	..	..
	2019	5	..	..	..	..	..
	2020	5	..	..	..	..	..
Sudan	2017	140,834	..	47,319	*16,711	..	17,346
	2018	141,830	..	47,868	*16,989	..	17,346
	2019	142,351	..	48,413	*17,004	..	17,346
	2020	142,351	..	48,861	*16,742	..	17,346
Togo	2017	105,704	..	1,245	..	..	21,093
	2018	111,890	..	1,641	..	..	22,332
	2019	115,890	..	2,056	..	..	23,128
	2020	123,433	..	2,150	..	..	24,633
Tunisia	2017	39,427	1,523	4,370	..	..	6,579
	2018	39,708	1,551	4,377	..	..	6,726
	2019	39,946	1,598	4,321	..	..	6,873
	2020	40,193	1,530	*4,340	..	..	7,028
Uganda	2017	773,962	..	..	*22,796	..	*60,008
	2018	808,674	..	..	*27,568	..	60,960
	2019	836,714	..	..	*41,058	..	76,954
	2020	931,340	..	..	*32,881	..	84,054
United Rep. of Tanzania	2017	553,309	..	203,916	6,618	..	47,643
	2018	561,390	..	207,727	6,741	..	49,088
	2019	569,782	..	239,151	7,761	..	48,989
	2020	578,493	..	241,157	7,822	..	51,784
Zambia	2017	264,372	..	45,135	*3,475	..	33,350
	2018	269,585	..	46,025	*3,475	..	34,008
	2019	274,789	..	46,914	*3,475	..	34,665
	2020	280,017	..	47,806	*3,475	..	35,324

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	1,033
..	1,039
..	1,039
..	1,051
..	67,492
..	67,626
..	72,994
..	82,733
..	29
..	29
..	29
..	29
..	53,996
..	54,416
..	54,845
..	55,311
..	139,436
..	143,069
..	146,828
..	150,680
..	259,885
..	240,192
..	246,267
..	259,802
..	9,478
..	7,952
..	8,014
..	8,110
..	6
..	5
..	5
..	5
..	204,864
..	206,686
..	207,768
..	207,953
..	106,949
..	113,531
..	117,946
..	125,584
..	45,320
..	45,636
..	45,864
..	46,063
..	796,757
..	836,241
..	877,772
..	964,221
..	763,843
..	775,859
..	816,694
..	827,473
..	312,983
..	319,085
..	325,178
..	331,299

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Zimbabwe	2017	189,702	..	116,083	2,180	..	269
	2018	192,394	..	117,730	2,687	..	273
	2019	195,139	..	119,410	2,725	..	277
	2020	198,044	..	121,187	1,423	..	281
Asia	2017	11,236,338	134,179	4,398,457	1,814,508	164,990	381,286
	2018	11,102,648	130,773	4,335,053	2,030,507	176,397	341,590
	2019	11,271,650	129,084	4,401,333	1,931,384	172,494	347,468
	2020	11,116,117	129,840	4,185,675	1,861,722	145,834	324,816
Afghanistan	2017	16,960	..	..	..	..	4,037
	2018	17,266	..	..	..	..	4,149
	2019	17,578	..	..	..	..	4,265
	2020	17,281	..	..	..	..	4,384
Armenia	2017	6,082	2,428	..	..	..	..
	2018	4,348	1,289	..	..	..	..
	2019	4,019	871	..	..	..	..
	2020	4,312	388	..	..	..	..
Azerbaijan	2017	1,379	..	..	..	..	6
	2018	1,347	..	187	..	..	3
	2019	1,279	..	408	..	..	3
	2020	973	..	401	..	..	2
Bahrain	2017	66	..	..	..	..	34
	2018	66	..	..	..	..	34
	2019	66	..	..	..	..	35
	2020	64	..	..	..	..	35
Bangladesh	2017	237,541	105,368	200,555	1,753	..	9,972
	2018	235,268	103,118	196,272	1,771	..	9,998
	2019	233,025	101,766	193,698	*1,949	..	10,023
	2020	230,812	102,792	195,650	*1,977	..	10,048
Bhutan	2017	47,457	..	..	..	..	207
	2018	47,831	..	..	..	..	252
	2019	48,209	..	..	..	..	257
	2020	48,591	..	..	..	..	263
Brunei Darussalam	2017	106	..	..	..	..	10
	2018	106	..	..	..	..	10
	2019	106	..	..	..	..	10
	2020	106	..	..	..	..	10
Cambodia	2017	139,949	..	1,132	..	..	12,580
	2018	142,417	..	1,454	..	..	12,490
	2019	145,076	..	2,079	..	..	12,418
	2020	142,990	..	1,505	..	..	12,347
China	2017	1,516,539	..	1,753,712	259,293	..	48,294
	2018	1,489,069	..	1,788,786	294,675	..	48,289
	2019	1,461,314	..	1,788,786	261,810	..	47,892
	2020	1,434,087	..	1,788,786	*270,274	..	47,499
China, Macao SAR	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
Cyprus	2017	781	..	175	..	..	73
	2018	786	..	162	..	..	48
	2019	798	..	246	..	..	40
	2020	689	..	288	..	..	34
Georgia	2017	15,115	103	59	..	..	..
	2018	11,233	125	42	..	..	..
	2019	10,101	137	32	..	..	..
	2020	9,454	43	31	..	..	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	1,045	..	..	309,010
..	..	1,664	..	..	314,476
..	..	1,718	..	..	318,992
..	..	1,908	..	..	322,561
599,185	162,196	130,087	523,364	83,433	19,246,736
617,371	169,507	137,441	633,487	109,458	19,442,642
602,137	171,004	151,868	734,152	106,922	19,672,029
561,141	157,876	158,351	749,634	107,011	19,173,201
..	..	..	..	..	16,960
..	..	..	..	..	17,266
..	..	..	..	..	17,578
..	..	..	..	..	17,281
..	..	..	..	..	8,510
..	..	..	..	..	5,637
..	..	..	..	..	4,890
..	..	..	..	..	4,700
..	2,782	..	..	..	4,162
..	2,966	..	..	..	4,500
..	3,075	..	..	..	4,762
..	3,164	..	..	..	4,538
..	..	..	..	..	66
..	..	..	..	..	66
..	..	..	..	..	66
..	..	..	..	..	64
..	..	..	..	..	545,217
..	..	..	..	..	536,429
..	..	..	..	..	530,439
..	..	..	..	..	531,230
..	..	..	..	..	47,457
..	..	..	..	..	47,831
..	..	..	..	..	48,209
..	..	..	..	..	48,591
..	..	..	..	..	106
..	..	..	..	..	106
..	..	..	..	..	106
..	..	..	..	..	106
..	..	..	..	..	141,081
..	..	..	..	..	143,870
..	..	..	..	..	147,155
..	..	..	..	..	144,495
229,441	..	*80,400	321,757	..	4,161,142
221,906	..	*80,400	*323,840	..	4,198,676
230,386	..	85,760	*323,840	..	4,151,896
188,107	..	93,505	*312,800	..	4,087,559
..	3,339	..	..	..	3,339
..	3,386	..	..	..	3,386
..	3,878	..	..	..	3,878
..	3,423	..	..	..	3,423
122	37	..	54	504	1,673
158	52	..	..	554	1,711
164	101	..	..	579	1,889
271	148	..	..	556	1,952
..	..	..	..	..	15,277
..	..	..	..	..	11,399
..	..	..	10	..	10,279
..	..	..	4	..	9,532

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					Charcoal
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	
India	2017	5,549,926	..	1,056,729	998,812	..	113,664
	2018	5,698,172	..	1,037,543	1,056,815	..	*82,187
	2019	5,851,142	..	1,047,001	957,070	..	*80,535
	2020	5,998,430	..	1,092,146	954,022	..	*76,553
Indonesia	2017	1,032,622	..	388,084	*49,751	..	26,609
	2018	901,816	..	409,291	52,464	..	47,053
	2019	947,857	..	419,574	*53,782	..	52,923
	2020	773,561	..	493,729	*53,782	..	*44,250
Iran (Islamic Rep. of)	2017	*73,994	*1,175	8,715	..	..	9
	2018	*73,994	*1,175	8,373	..	..	9
	2019	*73,994	*1,175	8,205	..	..	9
	2020	*73,994	*1,175	8,579	..	..	9
Iraq	2017	1,982	..	..	..	..	797
	2018	1,977	..	..	..	..	565
	2019	2,008	..	..	..	..	574
	2020	2,039	..	..	..	..	583
Israel	2017	183	..	..	..	..	..
	2018	183	..	..	..	..	..
	2019	183	..	..	..	..	..
	2020	183	..	..	..	..	..
Japan	2017	73,880	..	75,019	..	145,237	343
	2018	77,642	..	79,576	..	146,898	343
	2019	79,194	..	102,947	..	144,794	343
	2020	89,763	..	89,701	..	120,939	343
Jordan	2017	3,261	..	..	..	..	1,410
	2018	3,325	..	..	..	..	1,441
	2019	3,397	..	..	..	..	1,473
	2020	3,469	..	..	..	..	1,506
Kazakhstan	2017	2,202	..	..	..	..	14
	2018	2,171	..	..	..	..	47
	2019	2,436	..	..	..	..	41
	2020	1,862	..	11	..	..	50
Korea, Dem.Ppl's.Rep.	2017	46,520	..	..	..	..	4,891
	2018	46,740	..	..	..	..	4,930
	2019	46,952	..	..	..	..	4,970
	2020	47,159	..	..	..	..	5,011
Korea, Republic of	2017	77,939	..	0	..	7,172	..
	2018	88,260	..	..	..	8,378	..
	2019	76,104	..	..	..	7,857	..
	2020	71,464	..	..	..	7,666	..
Kuwait	2017	185	..	..	..	..	91
	2018	187	..	..	..	..	92
	2019	189	..	..	..	..	93
	2020	189	..	..	..	..	93
Kyrgyzstan	2017	60	..	..	..	..	..
	2018	96	..	..	..	..	..
	2019	85	..	..	..	..	..
	2020	1	..	..	..	..	..
Lao People's Dem. Rep.	2017	53,063	..	..	*3,286	..	*6,048
	2018	52,710	..	..	*3,220	..	*6,136
	2019	52,363	..	..	4,031	..	*6,195
	2020	52,025	..	..	*3,830	..	6,048
Lebanon	2017	*4,971	..	..	..	..	89
	2018	*4,971	..	..	..	..	89
	2019	4,971	..	..	..	..	89
	2020	4,931	..	..	..	..	89

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	..	..	..	7,605,467
..	..	..	..	..	7,792,529
..	..	..	..	..	7,855,214
..	..	..	..	..	8,044,599
..	..	..	110,624	496	1,581,577
..	..	..	199,745	513	1,563,829
..	..	..	271,993	526	1,693,731
..	..	..	278,282	*526	1,599,880
..	..	..	..	288	*84,172
..	..	..	..	254	*83,796
..	..	..	..	254	*83,628
..	..	..	..	254	*84,002
..	..	..	..	..	1,982
..	..	..	..	..	1,977
..	..	..	..	..	2,008
..	..	..	..	..	2,039
1,302	1,487	..	..	960	3,932
1,548	1,814	..	..	878	4,423
1,807	2,142	..	..	878	5,010
1,855	2,203	..	..	963	5,204
231,788	28,921	4	442	4,616	559,907
248,481	30,850	4	431	9,058	592,940
231,007	32,192	4	465	90	590,693
224,902	29,896	4	459	71	555,734
..	..	..	..	49	3,310
..	..	..	..	41	3,366
..	..	..	..	42	3,439
..	..	..	..	42	3,511
..	..	..	..	32	2,234
..	..	..	..	19	2,189
..	..	..	..	43	2,479
..	..	..	..	70	1,943
..	..	..	..	..	46,520
..	..	..	..	..	46,740
..	..	..	..	..	46,952
..	..	..	..	..	47,159
134,086	39,798	6,987	19,320	7,333	292,634
108,143	40,155	9,037	23,515	7,406	284,894
102,191	37,090	12,841	23,551	8,108	267,743
107,650	36,229	10,731	23,885	8,384	266,010
..	..	..	..	..	185
..	..	..	..	..	187
..	..	..	..	..	189
..	..	..	..	..	189
..	..	..	..	..	60
..	..	..	..	..	96
..	..	..	..	..	85
..	..	..	..	..	1
..	..	..	..	..	56,349
..	..	..	..	..	55,930
..	..	..	..	..	56,394
..	..	..	..	..	55,855
..	..	..	..	..	*4,971
..	..	..	..	83	*5,054
..	..	..	..	415	5,386
..	..	..	..	257	5,188

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Malaysia	2017	22,780	..	*8,196	*755	..	864
	2018	22,425	..	*12,581	*591	..	867
	2019	22,083	..	12,624	*518	..	458
	2020	21,751	..	9,945	*525	..	515
Maldives	2017	149	..	..	..	..	26
	2018	150	..	..	..	..	26
	2019	151	..	..	..	..	26
	2020	152	..	..	..	..	27
Mongolia	2017	5,481	..	..	..	..	506
	2018	5,481	..	..	..	..	510
	2019	5,481	..	..	..	..	515
	2020	5,772	..	..	..	..	519
Myanmar	2017	431,655	..	25,943	..	..	856
	2018	432,788	..	26,005	..	..	856
	2019	426,076	..	25,811	..	..	856
	2020	427,156	..	25,876	..	..	*856
Nepal	2017	361,118	18,579	17,804	11,821	..	325
	2018	365,996	18,829	18,045	*11,833	..	325
	2019	372,785	19,179	18,379	*11,832	..	328
	2020	379,557	19,527	18,713	*11,307	..	334
Oman	2017	436	..	..	..	..	210
	2018	447	..	..	..	..	216
	2019	458	..	..	..	..	221
	2020	458	..	..	..	..	221
Other Asia	2017	6,281	..	..	..	..	..
	2018	6,324	..	..	..	..	..
	2019	6,102	..	..	..	..	..
	2020	5,915	..	..	..	..	..
Pakistan	2017	*311,634	*5,969	*256,937	*141,268	..	2,516
	2018	*306,330	*5,671	*252,564	*149,508	..	2,567
	2019	*306,579	*5,387	*252,769	*149,508	..	2,617
	2020	*306,023	*5,488	260,974	*149,824	..	2,617
Philippines	2017	*272,290	557	38,808	32,046	..	60,800
	2018	*275,761	565	38,473	33,588	..	63,042
	2019	*279,500	569	38,065	32,768	..	65,372
	2020	*281,131	427	33,312	31,280	..	67,098
Qatar	2017	47	..	..	..	..	23
	2018	47	..	..	..	..	23
	2019	47	..	..	..	..	23
	2020	47	..	..	..	..	23
Singapore	2017	267	..	..	..	..	141
	2018	262	..	..	..	..	139
	2019	258	..	..	..	..	137
	2020	258	..	..	..	..	137
Sri Lanka	2017	126,905	..	..	1,470	..	..
	2018	126,490	..	..	1,572	..	..
	2019	128,649	..	..	1,651	..	..
	2020	*129,150	..	..	*1,660	..	..
State of Palestine	2017	1,964	..	588	..	..	..
	2018	2,022	..	398	..	..	..
	2019	2,074	..	1,190	..	..	..
	2020	2,097	..	510	..	..	..
Syrian Arab Republic	2017	305	..	..	..	..	80
	2018	304	..	..	..	..	80
	2019	305	..	..	..	..	80
	2020	307	..	..	..	..	80

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	..	16,928	1,715	50,374
..	..	..	25,502	6,146	67,246
..	..	..	44,374	4,425	84,023
..	..	..	58,411	4,175	94,807
..	..	..	..	..	149
..	..	..	..	..	150
..	..	..	..	..	151
..	..	..	..	..	152
..	..	..	..	..	5,481
..	..	..	..	..	5,481
..	..	..	..	..	5,481
..	..	..	..	..	5,772
..	..	..	..	1	457,599
..	..	..	..	1	458,794
..	..	..	..	1	451,888
..	..	..	..	*1	453,033
..	..	..	..	11,821	421,143
..	..	..	..	12,019	426,722
..	..	..	..	12,133	434,307
..	..	..	..	12,353	441,458
..	..	..	..	..	436
..	..	..	..	..	447
..	..	..	..	..	458
..	..	..	..	..	458
..	54,380	187	..	272	61,120
..	56,731	7	..	268	63,330
..	57,322	3	..	219	63,645
..	56,377	3	..	711	63,005
..	..	..	..	..	*715,808
..	..	..	..	..	*714,073
..	..	..	..	..	*714,243
..	..	..	..	..	*722,309
..	527	8,608	6,591	..	*359,427
..	543	11,130	6,645	..	*366,705
..	634	13,030	7,044	..	*371,611
..	467	10,141	5,196	..	*361,954
..	..	..	..	..	47
..	..	..	..	..	47
..	..	..	..	..	47
..	..	..	..	..	47
..	26,741	..	..	..	27,008
..	24,811	..	..	..	25,073
..	25,133	..	..	..	25,392
..	23,346	..	..	..	23,604
..	..	..	..	..	128,374
..	..	..	..	..	128,062
..	..	..	..	..	130,300
..	..	..	..	..	*130,810
..	..	..	..	..	2,552
..	..	..	..	..	2,420
..	..	..	..	..	3,264
..	..	..	..	..	2,607
..	..	..	..	..	305
..	..	..	..	..	304
..	..	..	..	..	305
..	..	..	..	..	307

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Tajikistan	2017	*50,225	..	..	..	..	..
	2018	*50,225	..	..	..	..	..
	2019	50,142	..	..	..	..	..
	2020	50,142	..	..	..	..	..
Thailand	2017	315,620	..	391,430	262,756	12,581	78,057
	2018	233,303	..	312,620	364,892	21,121	43,159
	2019	229,289	..	340,594	389,444	19,843	42,510
	2020	127,177	..	23,439	314,513	17,229	32,568
Timor-Leste	2017	813	..	..	..	..	..
	2018	776	..	..	..	..	..
	2019	742	..	..	..	..	..
	2020	709	..	..	..	..	..
Türkiye	2017	56,773	..	45,407	..	..	..
	2018	40,654	..	30,720	..	..	..
	2019	43,794	..	30,898	..	..	..
	2020	48,232	..	38,454	..	..	..
Turkmenistan	2017	89	..	..	..	..	..
	2018	89	..	..	..	..	..
	2019	89	..	..	..	..	..
	2020	89	..	..	..	..	..
Uzbekistan	2017	*924	..	..	..	..	..
	2018	*926	..	..	..	..	..
	2019	*929	..	..	..	..	..
	2020	*959	..	..	..	..	..
Viet Nam	2017	*362,700	..	129,162	51,497	..	5,723
	2018	324,561	..	121,961	59,578	..	9,588
	2019	328,245	..	118,026	67,021	..	10,060
	2020	315,057	..	103,623	*68,727	..	8,541
Yemen	2017	5,120	..	..	..	..	1,985
	2018	5,306	..	..	..	..	2,033
	2019	5,429	..	..	..	..	2,080
	2020	5,553	..	..	..	..	2,127
Europe	2017	3,526,803	18,395	301,593	25,851	542,956	13,261
	2018	3,709,235	18,609	326,059	25,831	544,653	12,880
	2019	3,763,876	19,171	334,900	25,911	570,180	11,979
	2020	3,764,329	18,562	345,665	29,789	565,769	12,219
Albania	2017	6,959	..	..	..	..	..
	2018	6,710	..	..	..	..	..
	2019	6,627	..	..	..	..	..
	2020	6,420	..	..	..	..	..
Andorra	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
Austria	2017	161,236	..	8,726	..	32,663	36
	2018	151,477	..	8,157	..	33,651	41
	2019	154,653	..	7,327	..	33,643	42
	2020	160,363	..	7,599	..	33,170	43
Belarus	2017	61,577	..	2,345	..	..	89
	2018	63,754	..	2,084	..	1,013	103
	2019	67,665	..	1,836	..	5,759	189
	2020	70,034	..	1,633	..	8,049	272
Belgium	2017	41,400	841	6,407	..	1,732	..
	2018	41,840	741	6,565	..	1,817	..
	2019	40,744	818	6,611	..	1,548	..
	2020	40,757	639	6,457	..	1,308	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	..	..	..	*50,225
..	..	..	..	..	*50,225
..	..	..	..	..	50,142
..	..	..	..	..	50,142
..	4,183	31,089	45,193	37,778	1,100,632
..	8,029	31,578	49,782	51,723	1,073,049
..	9,001	34,664	58,422	54,385	1,135,642
..	2,258	39,610	67,822	50,618	642,667
..	..	..	..	..	813
..	..	..	..	..	776
..	..	..	..	..	742
..	..	..	..	..	709
2,446	..	2,126	2,455	17,569	126,775
37,135	171	2,042	4,027	20,496	135,245
36,581	436	2,217	4,453	24,824	143,202
38,357	364	1,677	2,774	28,029	157,887
..	..	..	..	..	89
..	..	..	..	..	89
..	..	..	..	..	89
..	..	..	..	..	89
..	..	..	..	..	*924
..	..	..	..	..	*926
..	..	..	..	..	*929
..	..	..	..	..	*959
..	..	686	..	..	*544,045
..	..	3,243	..	..	509,343
..	..	3,350	..	..	516,642
..	..	2,680	..	..	490,086
..	..	..	..	..	5,120
..	..	..	..	..	5,306
..	..	..	..	..	5,429
..	..	..	..	..	5,553
420,283	904,138	122,198	490,856	706,042	7,059,115
464,083	904,219	125,359	514,380	706,251	7,338,679
530,949	923,483	121,618	549,778	720,905	7,560,771
570,468	939,021	120,425	533,839	748,344	7,636,210
..	..	..	..	..	6,959
..	..	..	..	..	6,710
..	..	..	..	..	6,627
..	..	..	..	..	6,420
..	*306	..	..	..	*306
..	*366	..	..	..	*366
..	*377	..	..	..	*377
..	*342	..	..	..	*342
16,538	18,622	5,681	9,097	13,021	265,584
15,332	19,441	5,236	9,377	9,505	252,175
14,476	19,796	5,042	10,829	8,983	254,750
14,414	21,576	4,768	8,192	8,819	258,902
829	..	..	736	468	65,955
970	..	..	515	507	68,843
792	..	..	589	465	77,106
381	..	..	*589	2,170	82,856
12,118	30,895	7,293	10,654	9,423	120,761
12,606	30,505	7,598	9,281	9,547	120,500
13,154	30,436	8,513	9,358	9,698	120,881
12,310	30,913	9,624	7,883	10,210	120,101

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					Charcoal
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	
Bosnia and Herzegovina	2017	28,596	..	..	..	..	1,180
	2018	60,650	..	..	..	..	885
	2019	60,775	..	..	..	..	944
	2020	62,209	..	..	..	..	885
Bulgaria	2017	40,827	..	1,217	..	5,104	72
	2018	51,330	..	8,219	..	4,273	60
	2019	52,470	..	11,043	..	4,331	62
	2020	53,551	..	12,945	..	3,839	68
Croatia	2017	64,565	..	19	..	..	280
	2018	62,621	..	32	..	..	290
	2019	62,228	..	30	..	..	416
	2020	63,166	..	97	..	..	390
Czechia	2017	103,824	..	6,379	..	15,281	..
	2018	108,298	..	5,576	..	14,675	..
	2019	116,959	..	5,331	..	18,803	..
	2020	122,005	..	5,667	..	19,783	..
Denmark	2017	47,135	..	20,219	..	..	..
	2018	48,866	..	17,606	..	..	..
	2019	44,543	..	17,963	..	..	..
	2020	41,341	..	18,929	..	..	..
Estonia	2017	51,714	..	9,175	..	1,382	..
	2018	55,681	..	11,914	..	1,404	..
	2019	58,683	..	13,906	..	1,229	..
	2020	58,757	..	11,405	..	1,285	..
Finland	2017	202,437	212	1,698	..	154,761	..
	2018	201,498	308	1,773	..	167,032	..
	2019	202,704	249	1,986	..	169,744	..
	2020	188,379	195	1,942	..	158,132	..
France	2017	385,063	2,193	5,887	6,156	35,747	..
	2018	386,062	2,340	6,816	5,835	31,967	..
	2019	384,602	2,806	6,783	6,262	33,969	..
	2020	363,151	2,543	8,124	6,608	32,357	..
Germany	2017	454,708	3,660	9,098	..	31,453	974
	2018	475,112	3,653	13,404	..	26,710	974
	2019	490,503	3,277	13,321	..	27,299	974
	2020	490,878	2,970	12,647	..	28,012	974
Greece	2017	27,655	..	6,199	..	..	30
	2018	25,977	..	6,769	..	..	59
	2019	25,746	..	6,532	..	..	30
	2020	24,110	..	6,918	..	..	30
Hungary	2017	86,339	256	12,047	..	310	..
	2018	75,737	241	13,039	..	303	..
	2019	73,931	379	11,253	..	377	..
	2020	73,067	229	11,577	..	385	..
Iceland	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
Ireland	2017	9,418	955	..	..	..	..
	2018	9,365	1,091	..	..	..	..
	2019	8,896	1,022	..	..	..	..
	2020	7,925	1,429	..	..	..	..
Isle of Man	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	..	..	63	28,659
..	..	..	..	97	60,747
..	..	..	..	67	60,842
..	..	..	..	104	62,313
1,621	1,240	577	3,384	1,958	55,929
2,095	2,415	465	4,657	2,245	75,699
2,785	2,472	439	6,299	2,133	81,972
2,770	1,755	411	5,046	2,232	82,549
483	..	..	14	2,672	67,752
818	..	..	15	3,081	66,568
1,129	..	..	10	3,442	66,838
1,630	..	..	6	3,481	68,380
10,228	6,422	2,743	5,793	25,444	176,115
12,061	6,115	2,013	7,149	25,279	181,166
12,499	6,376	2,493	9,142	24,332	195,934
12,753	6,688	2,028	9,518	24,889	203,332
..	36,679	139	..	10,906	115,078
..	35,566	172	..	13,333	115,543
..	35,855	105	..	16,544	115,009
..	35,533	58	..	21,224	117,085
606	2,123	..	..	540	65,540
611	2,117	..	..	571	72,298
614	1,791	..	..	592	76,815
14	2,217	..	..	832	74,510
2,001	23,808	1,293	10,992	7,147	404,348
2,048	24,865	1,246	10,145	7,804	416,719
1,818	25,214	1,130	12,187	7,851	422,883
2,025	24,105	1,193	10,920	7,076	393,967
17,628	106,691	23,589	71,618	33,880	688,453
18,712	105,735	26,569	81,367	36,645	702,048
20,149	105,494	25,788	74,754	40,750	701,358
16,274	104,191	22,306	72,637	47,469	675,661
54,307	269,372	21,180	118,054	323,250	1,285,082
46,695	259,778	19,459	123,059	318,527	1,286,397
48,440	258,838	17,090	131,854	317,935	1,308,557
44,399	261,986	17,314	115,074	324,259	1,297,538
0	..	..	5,649	4,484	43,987
1,213	..	..	6,312	4,724	44,995
1,758	..	253	7,206	5,233	46,726
405	..	629	6,633	5,665	44,359
3,777	3,606	11,792	5,814	4,141	128,082
4,322	3,417	12,757	5,925	3,916	119,657
3,339	4,445	13,588	6,182	3,785	117,279
3,857	4,820	13,320	5,336	3,745	116,336
..	..	..	..	70	70
..	..	..	..	74	74
..	..	..	..	71	71
..	..	..	..	78	78
..	8,677	7	1,053	2,322	22,432
..	11,953	113	1,120	2,108	25,750
..	11,812	180	1,222	2,092	25,224
..	12,215	137	1,536	2,190	25,433
..	*396	..	..	..	*396
..	*546	..	..	..	*546
..	*542	..	..	..	*542
..	*543	..	..	..	*543

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Italy	2017	327,658	..	..	..	..	295
	2018	295,832	..	..	..	..	295
	2019	304,029	..	..	..	..	295
	2020	298,256	..	..	..	..	295
Jersey	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
Kosovo	2017	15,305	..	..	..	..	..
	2018	15,415	..	..	..	..	..
	2019	13,364	..	..	..	..	..
	2020	12,874	..	..	..	..	..
Latvia	2017	85,124	..	267	..	..	371
	2018	102,172	..	277	..	..	257
	2019	102,427	..	359	..	..	248
	2020	95,417	..	233	..	..	244
Liechtenstein	2017	189	..	..	..	..	..
	2018	225	..	..	..	..	..
	2019	207	..	..	..	..	..
	2020	164	..	..	..	..	..
Lithuania	2017	53,960	..	721	..	..	9
	2018	52,657	..	1,175	..	..	15
	2019	50,969	..	1,265	..	..	15
	2020	51,852	..	1,431	..	..	15
Luxembourg	2017	2,727	..	201	..	..	..
	2018	3,603	..	208	..	..	..
	2019	4,545	..	226	..	..	..
	2020	6,887	..	327	..	..	..
Malta	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
Montenegro	2017	9,235	..	..	..	..	21
	2018	7,964	..	..	..	..	18
	2019	8,164	..	..	..	..	22
	2020	8,205	..	..	..	..	22
Netherlands	2017	40,729	..	16,362	..	..	..
	2018	44,674	..	11,507	..	..	..
	2019	48,425	..	11,881	..	..	..
	2020	51,492	..	12,613	..	..	..
North Macedonia	2017	12,072	..	223	..	..	..
	2018	10,206	..	261	..	..	..
	2019	10,358	..	369	..	..	..
	2020	10,476	..	291	..	..	..
Norway	2017	36,469	..	..	..	425	..
	2018	36,472	..	..	..	369	..
	2019	38,659	..	..	..	408	..
	2020	40,816	..	..	..	334	..
Poland	2017	200,861	..	45,516	..	11,574	..
	2018	330,440	377	43,309	..	10,788	..
	2019	318,155	363	48,295	..	10,245	..
	2020	305,482	829	58,211	..	10,794	..
Portugal	2017	58,938	..	5,888	313	44,530	259
	2018	57,515	..	9,653	406	43,272	259
	2019	67,503	..	7,024	489	43,452	266
	2020	71,972	..	5,741	445	43,435	266

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
11,765	71,443	8,063	25,477	79,453	523,859
11,989	70,893	9,011	27,659	79,221	494,605
12,951	73,103	9,118	32,085	84,288	515,574
14,524	70,608	10,767	46,216	84,484	524,854
..	*799	..	..	..	*799
..	*760	..	..	..	*760
..	*764	..	..	..	*764
..	*760	..	..	..	*760
..	..	..	..	..	15,305
..	..	..	..	..	15,415
..	..	..	..	..	13,364
..	..	..	..	..	12,874
73	362	233	1,965	3,902	91,927
119	558	210	3,252	3,643	110,231
108	652	23	3,044	3,376	109,988
167	911	..	3,149	3,359	103,235
..	*703	..	..	23	*914
..	*759	..	..	24	*1,008
..	*785	..	..	25	*1,016
..	*841	..	..	25	*1,030
183	2,476	359	4,349	1,350	63,398
644	1,692	458	5,675	1,554	63,855
744	1,498	456	6,146	1,632	62,709
1,010	2,693	847	5,987	1,617	65,437
578	1,557	..	..	867	5,930
624	1,552	..	..	915	6,902
620	1,567	..	..	753	7,711
977	1,441	..	..	752	10,384
..	..	..	10	77	87
..	..	..	..	70	70
..	..	..	..	68	68
..	..	..	..	56	56
..	..	..	..	..	9,235
..	..	..	..	..	7,964
..	..	..	..	..	8,164
..	..	..	..	..	8,205
..	60,374	..	70,987	13,509	201,961
..	60,110	1,672	67,675	13,696	199,334
..	60,667	1,273	69,979	14,913	207,139
..	64,867	880	71,362	17,404	218,619
..	..	..	0	742	13,037
..	..	..	0	778	11,245
..	..	..	..	793	11,520
..	..	..	50	825	11,642
3,192	15,812	..	4,158	1,535	61,591
3,525	16,600	..	3,733	2,226	62,926
3,568	16,267	..	3,175	3,631	65,708
3,601	15,823	..	3,150	2,697	66,421
22,229	18,077	5,168	33,016	11,739	348,180
27,023	19,412	5,055	32,629	12,068	481,101
28,437	20,415	5,468	35,341	12,498	479,216
27,657	23,113	5,510	35,064	13,498	480,158
2,249	8,738	..	13,162	3,561	137,380
2,482	8,120	..	13,373	3,453	138,275
2,684	8,666	..	14,455	3,355	147,628
2,157	8,341	..	12,292	3,464	147,849

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Republic of Moldova	2017	26,284	1	4,936	..	..	30
	2018	28,063	2	4,559	..	..	12
	2019	23,591	1	3,362	..	..	15
	2020	25,738	3	1,690	..	..	30
Romania	2017	149,227	..	..	..	..	36
	2018	144,164	..	..	..	..	33
	2019	144,700	..	..	..	..	30
	2020	142,414	..	..	..	..	11
Russian Federation	2017	107,613	..	..	..	..	2,163
	2018	119,089	..	..	..	..	2,328
	2019	126,553	..	..	..	..	1,963
	2020	119,561	..	..	..	..	1,665
Serbia	2017	45,396	..	81	..	..	585
	2018	46,936	..	105	..	..	418
	2019	49,151	..	99	..	..	347
	2020	67,335	..	93	..	..	442
Slovakia	2017	18,957	..	2,137	..	14,125	..
	2018	22,518	..	2,620	..	12,861	..
	2019	38,456	..	7,309	..	12,797	..
	2020	35,384	..	*6,631	..	13,297	..
Slovenia	2017	25,949	..	370	..	..	..
	2018	23,193	..	339	..	..	..
	2019	22,610	..	322	..	..	..
	2020	21,870	..	278	..	..	..
Spain	2017	120,403	1,840	40,248	19,381	26,615	433
	2018	117,794	1,887	39,947	19,590	27,690	433
	2019	118,707	2,033	39,590	19,160	31,331	433
	2020	127,642	1,812	34,702	22,736	24,695	433
Sweden	2017	229,283	103	..	..	167,254	..
	2018	219,212	106	..	..	166,828	..
	2019	220,661	64	..	..	175,245	..
	2020	227,533	84	..	..	186,893	..
Switzerland	2017	42,750	..	..	..	..	..
	2018	39,990	..	..	..	..	..
	2019	42,330	..	..	..	..	..
	2020	42,930	..	..	..	..	..
Ukraine	2017	121,861	..	..	..	..	6,402
	2018	141,044	..	..	..	..	6,402
	2019	133,765	..	..	..	..	5,691
	2020	147,860	..	..	..	..	6,136
United Kingdom	2017	22,360	8,334	95,226	..	..	..
	2018	25,077	7,862	110,145	..	..	..
	2019	24,820	8,159	110,877	..	..	..
	2020	26,055	7,830	117,483	..	..	..
Latin America & Carib.	2017	2,374,224	..	922,534	1,727,014	160,303	253,750
	2018	2,437,322	12	935,721	1,708,705	165,667	261,172
	2019	2,451,859	13	722,587	1,767,526	151,574	266,184
	2020	2,440,767	5	766,293	1,903,414	155,274	266,839
Anguilla	2017	*2	..	..	..	..	..
	2018	*2	..	..	..	..	..
	2019	*2	..	..	..	..	..
	2020	*2	..	..	..	..	..
Argentina	2017	34,873	..	..	49,522	..	11,977
	2018	39,250	..	..	54,974	..	11,918
	2019	50,800	..	..	53,476	..	12,125
	2020	50,150	..	..	49,465	..	12,002

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
316	..	..	..	282	31,819
2,091	..	..	..	313	35,028
1,922	..	..	..	292	29,169
214	..	..	..	327	27,971
3,845	207	1,192	6,129	755	161,357
7,203	188	944	6,927	865	160,291
6,140	188	1,447	7,726	794	160,995
11,665	188	1,190	10,759	772	166,988
215,266	..	..	..	..	322,879
244,991	..	..	..	..	364,080
305,868	..	..	..	..	432,421
311,158	..	..	..	..	430,719
44	..	..	..	723	46,244
49	..	..	..	958	48,049
51	..	..	..	1,190	50,491
57	..	..	..	1,624	69,110
7,283	2,214	3,136	4,011	6,384	58,247
6,784	1,161	3,296	4,048	6,228	59,516
7,311	2,386	3,564	4,011	5,984	81,819
8,289	2,523	3,538	4,306	5,479	79,446
2,014	..	..	..	1,076	29,410
2,409	..	..	..	1,018	26,960
2,597	..	..	..	930	26,459
2,395	..	..	..	1,129	25,671
8,903	21,743	8,871	64,842	12,237	325,083
12,275	21,280	11,075	63,252	12,374	327,164
11,308	21,412	11,504	73,065	12,184	340,294
12,713	19,769	11,420	67,909	13,539	336,937
748	62,730	6,600	2,429	7,445	476,592
755	58,296	6,915	9,494	7,359	468,965
744	62,211	6,694	11,850	7,600	485,069
4,132	67,825	7,543	11,482	7,780	513,272
11,220	48,140	..	278	5,059	107,447
11,070	48,750	..	221	5,238	105,270
11,670	49,050	..	501	5,564	109,115
11,510	48,960	..	491	5,742	109,632
2,507	..	563	..	1,601	126,532
..	..	107	..	1,995	143,147
..	..	1,874	..	2,028	137,667
34,090	..	..	..	3,862	185,812
7,732	79,924	13,722	17,186	113,932	358,415
12,567	91,269	10,988	17,517	114,290	389,715
13,274	100,405	5,574	18,768	115,032	396,909
12,919	103,473	6,941	18,253	115,466	408,420
1,165	..	613,109	260,268	16,103	6,074,717
1,376	489	732,955	283,484	18,710	6,284,440
1,427	1,047	778,336	293,073	21,297	6,188,739
1,591	1,133	720,339	271,898	22,420	6,283,134
..	..	..	..	..	*2
..	..	..	..	..	*2
..	..	..	..	..	*2
..	..	..	..	..	*2
..	..	23,450	105,653	..	213,498
..	..	23,638	89,350	..	207,212
..	..	22,780	79,010	..	206,065
..	..	30,238	43,126	..	172,980

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Aruba	2017	20	..	..	..	..	7
	2018	21	..	..	..	..	7
	2019	22	..	..	..	..	8
	2020	23	..	..	..	..	8
Bahamas	2017	309	..	..	..	..	34
	2018	309	..	..	..	..	34
	2019	309	..	..	..	..	34
	2020	310	..	..	..	..	34
Barbados	2017	44	..	..	478	..	9
	2018	43	..	..	539	..	9
	2019	43	..	..	430	..	9
	2020	43	..	..	*477	..	9
Belize	2017	995	..	..	4,270	..	91
	2018	1,021	..	..	4,295	..	91
	2019	1,048	..	..	4,416	..	91
	2020	679	..	..	3,862	..	91
Bolivia (Plur. State of)	2017	7,895	..	..	34,444	..	1,419
	2018	8,040	..	..	34,924	..	1,452
	2019	6,792	..	..	36,806	..	1,485
	2020	7,649	..	..	36,618	..	1,527
Brazil	2017	990,234	..	774,475	1,278,872	..	169,271
	2018	1,039,645	..	867,675	1,218,269	..	177,295
	2019	1,045,802	..	658,218	1,252,702	..	182,812
	2020	1,046,688	..	704,754	1,402,503	..	183,372
British Virgin Islands	2017	15	..	..	..	..	2
	2018	15	..	..	..	..	2
	2019	15	..	..	..	..	2
	2020	15	..	..	..	..	2
Chile	2017	241,105	..	..	..	93,577	3,621
	2018	240,328	..	..	..	100,675	4,165
	2019	237,692	..	..	..	98,853	3,704
	2020	*225,911	..	..	..	101,233	4,490
Colombia	2017	88,193	..	467	50,323	12,900	601
	2018	106,426	..	..	56,019	13,190	383
	2019	109,935	..	..	84,032	..	350
	2020	105,517	..	..	92,837	..	13
Costa Rica	2017	3,402	..	3,037	11,189	..	27
	2018	3,010	..	2,979	10,442	..	28
	2019	4,651	..	3,017	10,258	..	28
	2020	5,079	..	3,172	10,428	..	27
Cuba	2017	9,638	..	*88	40,413	..	2,272
	2018	8,805	..	*88	48,463	..	1,894
	2019	7,525	..	*88	40,119	..	2,245
	2020	7,417	..	*88	31,238	..	2,230
Dominica	2017	68	..	..	..	..	7
	2018	68	..	..	..	..	7
	2019	67	..	..	..	..	7
	2020	67	..	..	..	..	7
Dominican Republic	2017	19,873	..	490	11,410	..	3,331
	2018	20,289	..	516	11,514	..	3,480
	2019	20,722	..	*525	*10,800	..	3,629
	2020	21,160	..	*525	12,646	..	3,786
Ecuador	2017	8,059	..	..	14,294	..	..
	2018	7,864	..	..	12,334	..	..
	2019	7,622	..	..	13,707	..	..
	2020	7,351	..	..	13,134	..	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	20
..	21
..	22
..	23
..	309
..	309
..	309
..	310
..	522
..	582
..	473
..	*520
..	5,265
..	5,316
..	5,464
..	4,541
..	42,340
..	..	25	..	..	42,989
..	..	942	..	..	44,541
..	..	1,497	..	..	45,765
..	..	574,136	137,433	7,993	3,763,144
..	..	691,896	171,348	8,532	3,997,365
..	..	733,409	189,733	11,245	3,891,110
..	..	670,858	208,294	13,011	4,046,108
..	15
..	15
..	15
..	15
..	3,849	338,531
..	4,484	345,487
..	4,235	340,780
..	3,522	*330,666
..	..	4,634	15,415	..	171,933
..	..	6,337	18,384	..	200,355
..	489	8,122	19,497	5	222,080
..	714	7,056	18,998	1	225,124
..	..	586	..	13	18,226
..	..	608	..	16	17,055
..	..	670	..	18	18,616
..	..	659	..	17	19,356
..	..	*348	..	..	50,487
..	..	*348	..	..	57,704
..	..	*348	..	..	48,080
..	..	*348	..	..	39,091
..	68
..	68
..	67
..	67
..	*157	31,930
..	*157	32,476
..	*157	32,204
..	*157	34,489
..	..	1,260	..	567	24,180
..	..	1,107	..	925	22,231
..	..	1,458	..	867	23,653
..	..	740	..	929	22,154

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	2017	8,666	..	..	14,073	..	837
	2018	4,755	12	..	14,379	..	1
	2019	4,140	13	..	14,927	..	3
	2020	3,633	5	..	15,321	..	10
Falkland Is. (Malvinas)	2017	8	..	..	..	..	3
	2018	8	..	..	..	..	4
	2019	9	..	..	..	..	4
	2020	9	..	..	..	..	4
Grenada	2017	315	..	..	21	..	67
	2018	327	..	..	22	..	69
	2019	339	..	..	22	..	72
	2020	292	..	..	19	..	62
Guatemala	2017	237,545	..	..	53,779	..	1,800
	2018	242,245	..	..	51,340	..	1,896
	2019	246,902	..	..	53,779	..	1,994
	2020	254,345	..	..	54,054	..	*2,065
Guyana	2017	1,057	..	..	5,552	..	43
	2018	1,129	..	..	3,913	..	40
	2019	1,153	..	..	2,408	..	41
	2020	998	..	..	2,750	..	40
Haiti	2017	141,050	..	..	983	..	38,015
	2018	143,143	..	..	998	..	38,580
	2019	145,267	..	..	1,013	..	39,152
	2020	140,474	..	..	979	..	37,860
Honduras	2017	49,389	..	12,218	23,000	..	1
	2018	55,298	..	9,520	21,848	..	6
	2019	53,793	..	10,858	15,940	..	5
	2020	54,700	..	7,833	11,102	..	3
Jamaica	2017	5,006	..	..	1,965	..	1,133
	2018	*5,006	..	..	1,544	..	1,121
	2019	4,788	..	..	1,888	..	738
	2020	7,516	..	..	1,515	..	700
Mexico	2017	250,601	..	74,807	76,659	6	..
	2018	249,084	..	0	107,146	0	..
	2019	247,919	..	0	113,249	0	..
	2020	249,125	..	..	113,800	4	..
Nicaragua	2017	45,435	..	1,633	16,165	..	305
	2018	46,147	..	1,712	15,717	..	309
	2019	46,373	..	1,641	16,287	..	297
	2020	46,737	..	*1,616	14,177	..	309
Panama	2017	7,059	..	..	5,997	..	34
	2018	7,015	..	..	5,846	..	33
	2019	6,973	..	..	4,660	..	32
	2020	6,930	..	..	4,599	..	31
Paraguay	2017	117,769	..	23,335	..	..	13,103
	2018	101,576	..	23,931	..	..	12,801
	2019	98,604	..	23,692	..	..	11,871
	2020	95,818	..	23,355	..	..	12,295
Peru	2017	67,996	..	5,690	24,128	..	5,365
	2018	68,556	..	4,637	23,945	..	5,191
	2019	69,509	..	4,374	29,068	..	5,182
	2020	72,194	..	4,654	25,258	..	5,624
Puerto Rico	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	510	23,249
..	489	..	..	495	20,129
..	557	..	..	570	20,207
..	419	..	..	591	19,969
..	8
..	8
..	9
..	9
..	336
..	348
..	361
..	312
..	308	291,632
..	430	294,015
..	308	300,989
..	281	308,680
..	6,609
..	5,043
..	3,561
..	3,748
..	..	234	..	..	142,267
..	..	238	..	..	144,379
..	..	241	..	..	146,521
..	..	241	..	..	141,694
..	84,607
..	86,666
..	80,592
..	73,635
..	6,971
..	*6,550
..	6,676
..	9,031
897	2,008	404,978
1,010	2,844	360,084
1,067	2,799	365,034
1,200	3,000	367,129
..	63,233
..	63,577
..	75	64,376
..	71	62,601
..	13,056
..	12,861
..	11,633
..	11,529
..	..	6,479	..	..	147,583
..	..	7,071	..	..	132,578
..	..	8,366	..	..	130,662
..	..	7,093	..	..	126,266
..	..	515	66	558	98,953
..	..	0	2,867	691	100,697
..	..	271	3,231	823	107,276
..	719	102,826
..	*139	*139
..	*136	*136
..	*195	*195
..	*121	*121

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
St. Kitts-Nevis	2017	0	..	..	..	..	0
	2018	0	..	..	..	..	0
	2019	*1	..	..	..	..	0
	2020	0	..	..	..	..	0
St. Lucia	2017	*643	..	..	..	..	115
	2018	*617	..	..	..	..	106
	2019	*595	..	..	..	..	*91
	2020	*575	..	..	..	..	*86
St. Vincent-Grenadines	2017	65	..	..	..	..	11
	2018	65	..	..	..	..	11
	2019	65	..	..	..	..	11
	2020	64	..	..	..	..	11
Suriname	2017	915	..	736	..	..	..
	2018	916	..	737	..	..	..
	2019	916	..	751	..	..	..
	2020	784	..	642	..	..	..
Trinidad and Tobago	2017	281	..	..	..	..	54
	2018	279	..	..	..	..	54
	2019	276	..	..	..	..	54
	2020	273	..	..	..	..	54
Turks and Caicos Islands	2017	11	..	..	..	..	4
	2018	11	..	..	..	..	4
	2019	11	..	..	..	..	4
	2020	11	..	..	..	..	4
United States Virgin Is.	2017	*29	..	..	..	..	*5
	2018	*30	..	..	..	..	*5
	2019	*30	..	..	..	..	*5
	2020	*31	..	..	..	..	*5
Uruguay	2017	25,060	..	11,807	882	53,820	..
	2018	25,794	..	12,873	858	51,802	..
	2019	24,286	..	12,238	829	52,720	..
	2020	22,885	..	14,626	969	54,037	..
Venezuela (Bolivar. Rep.)	2017	10,597	..	13,752	8,595	..	187
	2018	10,185	..	11,053	9,375	..	180
	2019	6,862	..	7,185	6,711	..	102
	2020	5,312	..	5,029	5,660	..	80
Northern America	2017	1,736,960	..	30,772	..	777,012	25,134
	2018	1,940,435	..	34,967	..	875,157	25,134
	2019	1,972,401	..	35,673	..	887,310	25,134
	2020	1,841,322	..	33,047	..	816,647	25,134
Bermuda	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
Canada	2017	303,938	..	..	..	170,156	..
	2018	322,155	..	..	..	175,510	..
	2019	315,582	..	..	..	179,383	..
	2020	303,071	..	..	..	164,250	..
Greenland	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
St. Pierre-Miquelon	2017	5	..	..	..	..	..
	2018	5	..	..	..	..	..
	2019	5	..	..	..	..	..
	2020	5	..	..	..	..	..

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	..	..	..	..	0
..	..	..	..	..	0
..	..	..	..	..	*1
..	..	..	..	..	0
..	..	..	..	..	*643
..	..	..	..	..	*617
..	..	..	..	..	*595
..	..	..	..	..	*575
..	..	..	..	..	65
..	..	..	..	..	65
..	..	..	..	..	65
..	..	..	..	..	64
..	..	..	..	..	1,650
..	..	..	..	..	1,652
..	..	..	..	..	1,667
..	..	..	..	..	1,426
..	..	..	..	..	281
..	..	..	..	..	279
..	..	..	..	..	276
..	..	..	..	..	273
..	..	..	..	..	11
..	..	..	..	..	11
..	..	..	..	..	11
..	..	..	..	..	11
..	..	..	..	..	*29
..	..	..	..	..	*30
..	..	..	..	..	*30
..	..	..	..	..	*31
268	..	1,466	1,700	..	95,003
366	..	1,688	1,535	..	94,917
360	..	1,729	1,601	..	93,764
391	..	1,608	1,479	..	95,995
..	..	..	..	..	32,944
..	..	..	..	..	30,613
..	..	..	..	..	20,757
..	..	..	..	..	16,001
47,497	300,506	1,306,782	208,462	172,883	4,580,874
47,097	306,513	1,327,068	237,710	169,991	4,938,938
46,274	294,478	1,306,629	222,994	162,865	4,928,624
42,544	292,966	1,147,103	235,482	159,430	4,568,541
..	*590	..	..	..	*590
..	*600	..	..	..	*600
..	*600	..	..	..	*600
..	*600	..	..	..	*600
6,137	7,658	36,582	12,917	16,977	554,365
6,314	8,686	37,011	10,010	16,977	576,662
6,491	9,955	41,084	11,666	16,977	581,138
6,668	9,942	34,323	13,102	16,977	548,333
..	94	..	..	..	94
..	98	..	..	..	98
..	110	..	..	..	110
..	103	..	..	..	103
..	..	..	..	..	5
..	..	..	..	..	5
..	..	..	..	..	5
..	..	..	..	..	5

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
United States	2017	*1,433,017	..	*30,772	..	*606,856	25,134
	2018	*1,618,275	..	*34,967	..	*699,647	25,134
	2019	*1,656,814	..	*35,673	..	*707,927	25,134
	2020	*1,538,246	..	*33,047	..	*652,397	25,134
Oceania	2017	162,513	..	22,374	115,744	29,256	508
	2018	158,770	..	24,840	105,189	28,615	511
	2019	156,970	..	21,644	96,517	28,832	514
	2020	152,195	..	23,879	88,629	28,087	522
Australia	2017	76,467	..	3,018	110,298	*15,727	..
	2018	73,548	..	5,257	100,228	15,220	..
	2019	72,141	..	2,665	91,324	15,438	..
	2020	69,643	..	4,634	83,844	14,777	..
Cook Islands	2017	..	..	*57	..	..	..
	2018	..	..	*57	..	..	..
	2019	..	..	*57	..	..	..
	2020	..	..	*57	..	..	..
Fiji	2017	338	..	..	4,533	..	73
	2018	338	..	..	4,023	..	73
	2019	338	..	..	4,255	..	74
	2020	338	..	..	3,830	..	74
French Polynesia	2017	42	..	..	..	..	16
	2018	42	..	..	..	..	16
	2019	43	..	..	..	..	16
	2020	43	..	..	..	..	16
Kiribati	2017	*63	..	*510	..	..	12
	2018	*65	..	*512	..	..	12
	2019	*65	..	*514	..	..	12
	2020	*65	..	*512	..	..	13
Marshall Islands	2017	..	..	*194	..	..	..
	2018	..	..	*195	..	..	..
	2019	..	..	*197	..	..	..
	2020	..	..	*192	..	..	..
Micronesia (Fed. States of)	2017	24	..	..	..	..	11
	2018	24	..	..	..	..	11
	2019	25	..	..	..	..	11
	2020	25	..	..	..	..	11
New Caledonia	2017	115	..	..	..	..	18
	2018	117	..	..	..	..	19
	2019	118	..	..	..	..	19
	2020	119	..	..	..	..	19
New Zealand	2017	26,353	..	4,368	..	13,529	..
	2018	25,521	..	4,536	..	13,395	..
	2019	24,957	..	3,927	..	13,394	..
	2020	21,754	..	3,944	..	13,310	..
Niue	2017	1	..	..	..	..	0
	2018	1	..	..	..	..	0
	2019	1	..	..	..	..	0
	2020	1	..	..	..	..	0
Papua New Guinea	2017	55,936	..	*11,773	913	..	293
	2018	55,936	..	*11,832	938	..	293
	2019	56,103	..	*11,832	938	..	293
	2020	57,029	..	*12,063	955	..	299
Samoa	2017	*1,089	..	*377	..	..	16
	2018	*1,089	..	*377	..	..	16
	2019	*1,087	..	*377	..	..	17
	2020	*1,087	..	*378	..	..	17

Table 12

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
41,360	292,165	1,270,200	195,545	155,906	*4,025,820
40,783	297,129	1,290,057	227,701	153,014	*4,361,572
39,783	283,813	1,265,545	211,328	145,888	*4,346,770
35,876	282,321	1,112,780	222,381	142,453	*4,019,499
3,771	..	4,132	147	18,264	356,200
3,785	..	5,103	37	19,347	345,686
3,609	..	5,347	37	19,681	332,636
3,685	..	4,356	74	20,093	320,998
3,771	..	4,020	147	14,970	228,418
3,785	..	4,985	37	16,103	219,163
3,609	..	5,333	37	16,325	206,872
3,685	..	4,342	74	16,662	197,660
..	*57
..	*57
..	*57
..	*57
..	4,871
..	4,361
..	4,593
..	4,168
..	42
..	42
..	43
..	43
..	*573
..	*577
..	*579
..	*577
..	*194
..	*195
..	*197
..	*192
..	24
..	24
..	25
..	25
..	..	*5	..	..	120
..	..	*5	..	..	123
..	..	*5	..	..	124
..	..	*5	..	..	125
..	..	107	..	3,294	47,651
..	..	107	..	3,244	46,804
..	3,356	45,634
..	3,431	42,438
..	1
..	1
..	1
..	1
..	68,622
..	68,706
..	68,873
..	70,047
..	0	*1,466
..	0	*1,466
..	0	*1,464
..	0	*1,465

Table 12

Production of biofuels and wastes

Terajoules

Country or area	Year	Solid biofuels					
		Fuelwood	Animal waste	Vegetal waste	Bagasse	Black liquor	Charcoal
Solomon Islands	2017	1,227	..	*2,078	..	..	43
	2018	1,231	..	*2,074	..	..	44
	2019	1,235	..	*2,075	..	..	45
	2020	1,235	..	*2,100	..	..	46
Tonga	2017	19	..	..	..	..	7
	2018	19	..	..	..	..	7
	2019	19	..	..	..	..	7
	2020	19	..	..	..	..	7
Vanuatu	2017	831	..	..	..	..	19
	2018	831	..	..	..	..	19
	2019	831	..	..	..	..	20
	2020	831	..	..	..	..	20
Wallis and Futuna Is.	2017	*7	..	..	..	..	..
	2018	*7	..	..	..	..	..
	2019	*7	..	..	..	..	..
	2020	*7	..	..	..	..	..

Production of biofuels and wastes

Terajoules

Non-biomass wastes		Liquid biofuels		Biogases	Total
Industrial waste	Municipal waste	Biogasoline	Biodiesel		
..	*3,305
..	*3,305
..	*3,310
..	*3,335
..	19
..	19
..	19
..	19
..	..	0	..	..	831
..	..	5	..	..	837
..	..	8	..	..	840
..	..	*8	..	..	840
..	*7
..	*7
..	*7
..	*7

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, 1990-2020

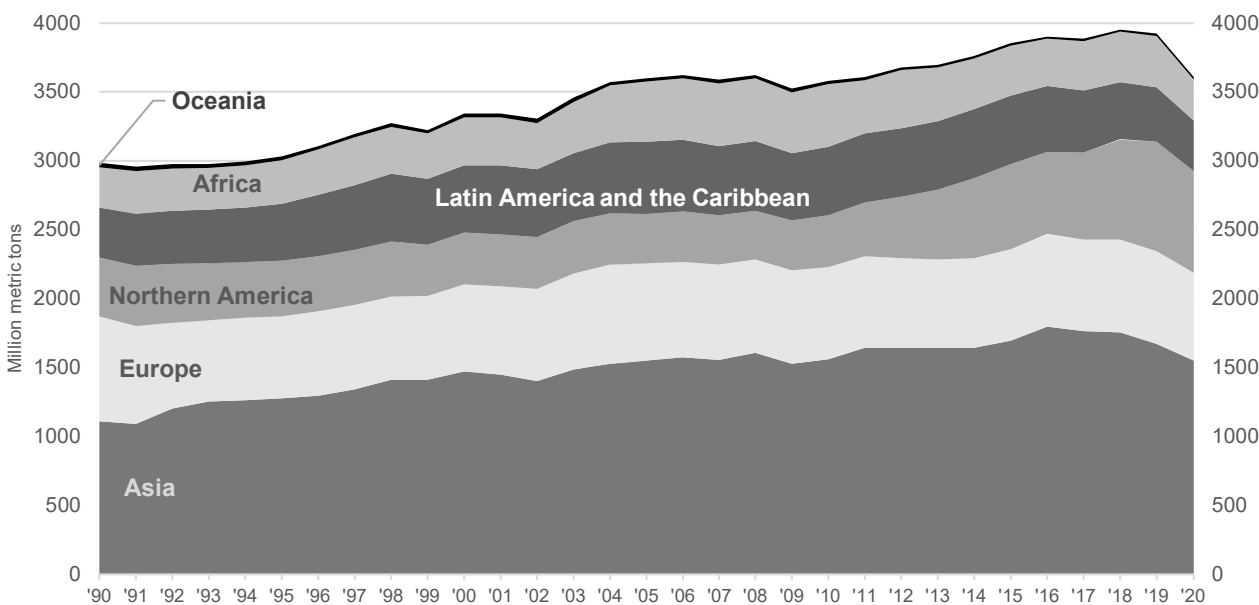


Figure 37: Exports of conventional crude oil by region, 1990-2020

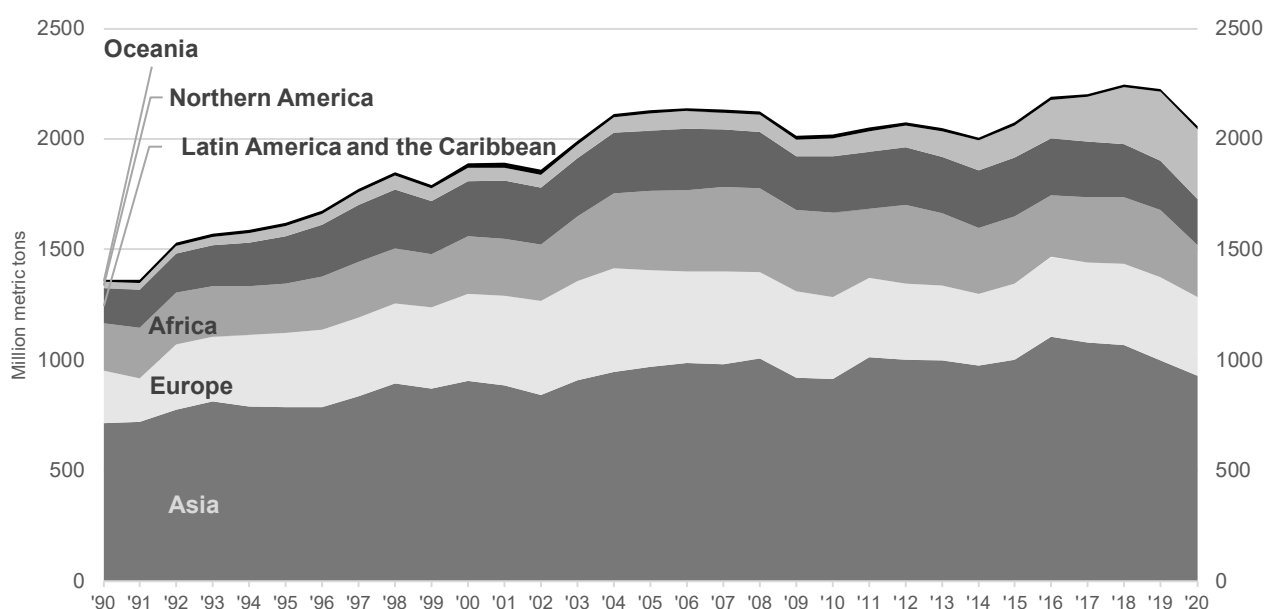


Figure 38: Production, trade and supply of conventional crude oil by region, 2020

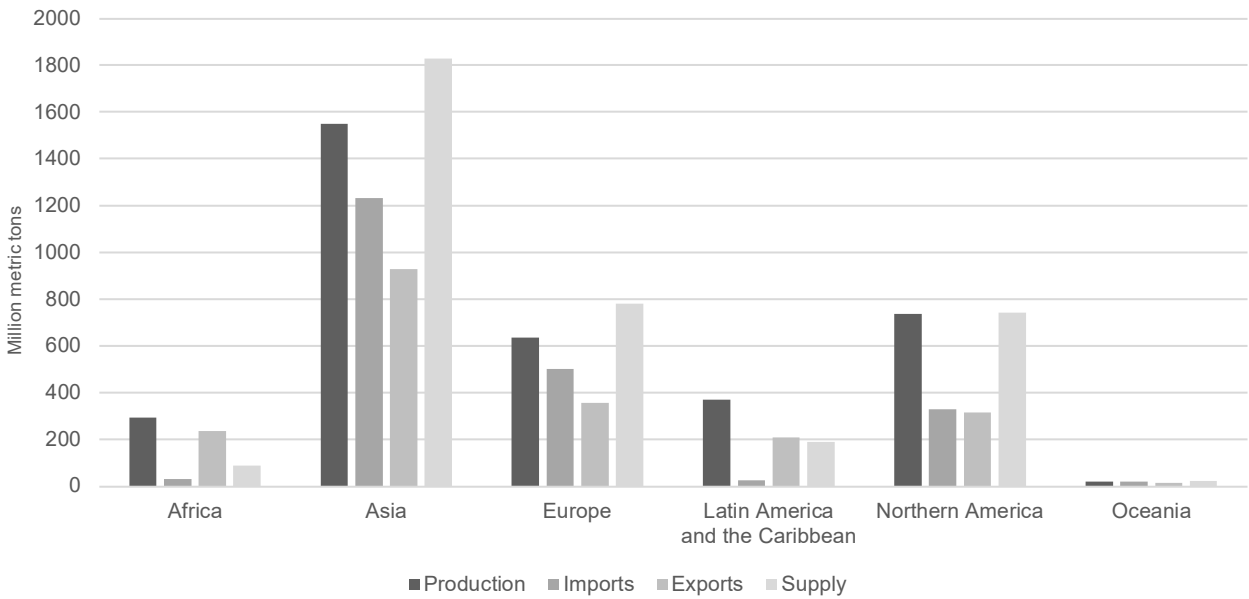


Figure 39: Major crude oil producing countries, 2020

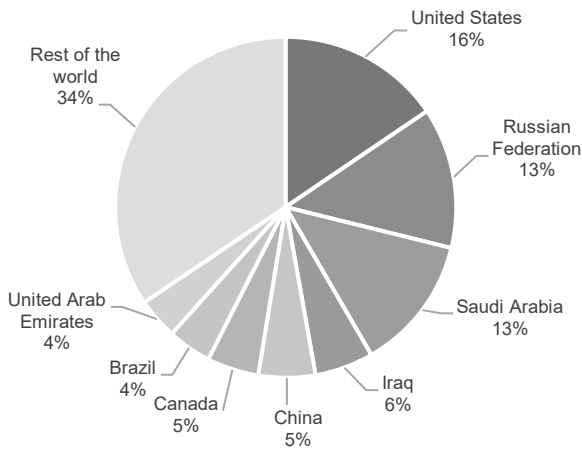


Figure 40: Major crude oil consuming countries, 2020

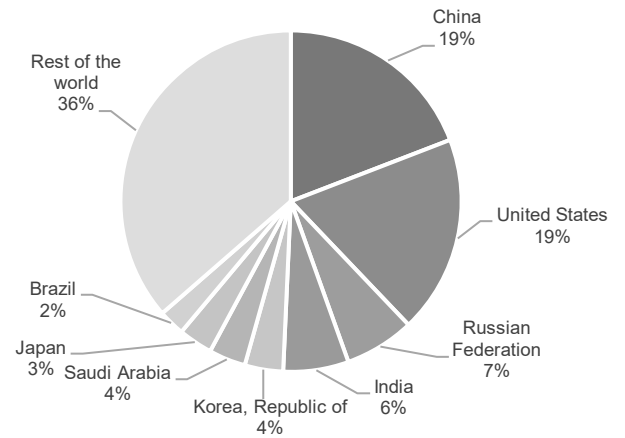


Table 13

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	2017	3,883,009	51	2,324,353	2,202,309	-17,099	4,022,152	529
	2018	3,951,736	50	2,353,453	2,246,455	9,891	4,048,844	527
	2019	3,920,531	50	2,320,022	2,226,843	-658	4,014,368	517
	2020	3,604,076	60	2,137,901	2,057,390	36,379	3,648,207	465
Africa	2017	360,369	44	30,351	295,366	1,352	94,002	74
	2018	366,926	43	37,152	302,308	1,937	99,834	77
	2019	374,403	42	34,459	305,648	3,435	99,779	75
	2020	293,942	51	31,517	236,367	1,362	87,730	65
Algeria	2017	49,468	23	222	24,677	287	24,726	601
	2018	48,588	23	204	21,676	-247	27,363	653
	2019	48,394	24	160	22,181	32	26,341	617
	2020	42,567	26	..	16,736	329	25,503	587
Angola	2017	79,053	21	..	76,359	*116	2,577	85
	2018	71,623	24	..	69,043	*728	1,852	59
	2019	66,981	25	..	63,862	*600	2,519	78
	2020	61,744	17	..	59,228	244	2,272	68
Cameroon	2017	3,845	5	1,024	3,488	..	1,382	57
	2018	3,486	5	541	2,904	..	1,122	45
	2019	3,606	5	280	3,284	..	602	23
	2020	3,683	5	..	3,683	..	0	0
Chad	2017	5,767	37	..	5,092	..	674	45
	2018	6,463	33	..	5,763	..	700	45
	2019	6,731	32	..	6,031	..	700	43
	2020	7,000	31	..	6,300	..	700	42
Congo	2017	13,669	14	..	12,856	0	813	153
	2018	16,629	11	..	15,788	15	826	152
	2019	16,924	11	..	15,904	185	835	150
	2020	15,461	12	..	14,545	109	807	142
Côte d'Ivoire	2017	2,007	7	2,386	1,870	..	2,523	102
	2018	1,672	8	2,469	1,514	..	2,627	103
	2019	1,810	8	2,928	1,757	..	2,981	114
	2020	1,460	10	2,575	1,347	-32	2,719	101
Dem. Rep. of the Congo	2017	1,198	20	..	1,198	..	0	0
	2018	1,334	18	..	1,334	..	0	0
	2019	1,170	21	..	1,170	..	0	0
	2020	1,116	22	..	1,116	..	0	0
Egypt	2017	30,417	14	6,283	9,594	..	27,106	266
	2018	30,850	14	6,037	10,559	..	26,328	254
	2019	30,216	15	5,239	8,446	..	27,008	256
	2020	28,483	14	12,700	10,026	..	31,157	290
Equatorial Guinea	2017	8,682	16	..	8,639	-57	100	69
	2018	7,599	18	..	7,472	27	100	67
	2019	7,162	19	..	7,058	*9	95	61
	2020	7,168	20	..	7,073	..	95	60
Gabon	2017	10,499	26	..	9,375	300	824	385
	2018	9,487	29	..	8,691	97	699	319
	2019	10,877	25	..	10,331	-49	595	265
	2020	10,385	26	..	9,869	-315	831	363
Ghana	2017	8,380	11	233	8,141	306	166	5
	2018	8,876	10	197	8,860	-194	407	13
	2019	10,206	9	830	10,141	14	882	28
	2020	9,561	9	692	9,637	90	526	16

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
Libya	2017	42,322	141	..	37,955	..	4,367	685
	2018	53,338	112	..	48,483	..	4,855	749
	2019	59,710	100	..	50,288	..	9,422	1,434
	2020	18,748	309	..	16,717	..	2,031	305
Mauritania	2017	87	34	..	*87	..	0	0
	2018	0	..	..	0	..	0	0
	2019	..	..	..	..	..	..	..
	2020	..	..	..	..	..	..	..
Morocco	2017	5	54	..	..	..	5	0
	2018	5	52	..	..	..	5	0
	2019	4	58	..	..	..	4	0
	2020	4	61	..	..	..	4	0
Mozambique	2017	..	220	..	..	..	..	..
	2018	..	237	..	..	..	..	..
	2019	..	274	..	..	..	..	..
	2020	..	320	..	..	..	..	..
Niger	2017	911	22	..	..	-20	931	43
	2018	829	24	..	..	10	818	36
	2019	905	22	..	..	150	755	32
	2020	857	23	..	..	..	857	35
Nigeria	2017	90,529	54	..	86,490	718	3,321	17
	2018	93,117	52	..	90,830	756	1,531	8
	2019	95,543	50	..	94,094	1,073	376	2
	2020	72,050	64	..	70,560	1,490	0	0
Senegal	2017	..	..	1,200	..	*-119	1,319	87
	2018	..	..	1,024	..	-26	1,050	67
	2019	..	..	1,024	..	..	1,024	64
	2020	..	..	767	..	-54	821	50
South Africa	2017	32	21	17,103	..	..	17,135	303
	2018	26	22	24,256	..	856	23,426	409
	2019	13	26	21,713	..	1,325	20,401	351
	2020	25	36	13,188	..	-344	13,557	231
South Sudan	2017	7,350	64	..	7,279	..	71	7
	2018	7,200	66	..	7,131	..	69	7
	2019	8,600	55	..	8,517	..	83	8
	2020	8,273	57	..	8,196	..	76	7
Sudan	2017	4,095	49	744	804	..	4,035	99
	2018	3,818	53	*1,294	879	..	4,233	101
	2019	*3,867	52	*1,456	1,026	..	*4,297	*99
	2020	*3,806	53	*591	164	..	*4,234	*95
Tunisia	2017	2,054	24	635	1,461	-79	1,307	111
	2018	1,987	26	512	1,380	-57	1,176	99
	2019	1,686	30	125	1,559	93	159	13
	2020	1,550	33	807	1,170	20	1,167	96
Zambia	2017	..	..	520	..	-100	620	36
	2018	..	..	618	..	-28	647	36
	2019	..	..	705	..	4	700	38
	2020	..	..	197	..	*-176	372	20
Asia	2017	1,761,763	61	1,206,995	1,077,788	-497	1,891,467	416
	2018	1,753,363	61	1,246,035	1,065,856	4,641	1,928,902	420
	2019	1,670,100	63	1,275,036	996,511	1,850	1,946,775	421
	2020	1,550,265	71	1,232,719	928,065	26,876	1,828,043	392

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
Afghanistan	2017	..	..	117	..	..	117	3
	2018	..	..	185	..	..	185	5
	2019	..	..	118	..	..	118	3
	2020	..	..	51	..	..	51	1
Azerbaijan	2017	36,032	25	63	30,488	-23	5,629	559
	2018	35,925	25	..	30,141	-15	5,799	571
	2019	33,597	26	..	27,704	18	5,876	574
	2020	30,333	28	..	24,831	190	5,312	516
Bahrain	2017	9,830	1	10,953	7,601	..	13,182	9,048
	2018	9,682	1	10,951	7,693	..	12,940	8,700
	2019	9,684	1	11,119	7,654	..	13,149	8,800
	2020	9,709	1	8,823	7,439	..	11,093	7,508
Bangladesh	2017	..	10	1,687	..	..	1,687	10
	2018	..	10	1,209	..	..	1,209	7
	2019	..	10	1,166	..	..	1,166	7
	2020	..	15	1,156	..	..	1,156	7
Brunei Darussalam	2017	4,995	27	..	4,871	-74	198	460
	2018	4,943	27	..	4,571	151	221	509
	2019	5,442	25	1,453	5,312	-65	1,648	3,763
	2020	5,004	28	6,242	3,570	-55	7,731	17,502
China	2017	191,506	13	419,462	4,861	6,418	599,690	425
	2018	189,324	13	461,886	2,627	10,091	638,492	451
	2019	191,014	13	505,676	810	15,805	680,075	478
	2020	194,769	18	542,007	1,638	35,441	699,697	491
Georgia	2017	32	156	60	7	-5	89	24
	2018	30	166	2	9	1	22	6
	2019	35	143	9	..	7	38	10
	2020	31	160	4	..	-2	37	10
India	2017	36,468	19	225,282	..	..	261,750	193
	2018	34,200	20	226,500	..	..	260,700	190
	2019	*32,169	21	*226,955	..	..	*259,124	*187
	2020	*30,494	17	*196,461	..	203	*226,752	*162
Indonesia	2017	41,901	12	15,889	12,035	34	45,721	173
	2018	40,691	12	15,404	8,929	1,769	45,397	170
	2019	39,026	12	10,122	3,526	-3,515	49,137	182
	2020	40,795	8	12,068	5,106	125	47,632	175
Iran (Islamic Rep. of)	2017	191,392	97	..	106,951	-20	84,461	999
	2018	176,919	103	..	91,837	..	85,082	994
	2019	117,329	146	..	32,330	..	84,999	982
	2020	98,859	169	..	20,084	..	78,776	902
Iraq	2017	224,404	85	..	186,774	385	37,245	940
	2018	224,404	85	..	189,721	634	34,049	839
	2019	231,478	83	..	194,941	-372	36,909	888
	2020	199,453	97	..	168,881	137	30,435	715
Israel	2017	64	31	11,698	..	649	11,113	1,337
	2018	74	27	11,533	..	-448	12,055	1,426
	2019	84	24	12,313	..	80	12,316	1,431
	2020	130	15	11,116	..	-109	11,356	1,297
Japan	2017	180	10	155,629	..	-925	156,734	1,237
	2018	166	10	149,156	..	471	148,852	1,179
	2019	211	10	145,187	..	-1,515	146,912	1,168
	2020	217	10	115,082	..	-3,046	118,345	945

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
Jordan	2017	0	862	2,795	..	16	2,779	272
	2018	1	250	2,366	..	11	2,356	225
	2019	2	156	2,321	..	*-80	2,403	225
	2020	2	139	2,074	..	*196	1,880	172
Kazakhstan	2017	72,925	46	42	56,684	*57	16,226	886
	2018	77,496	44	25	58,435	442	18,645	1,006
	2019	78,643	43	36	59,649	-462	19,492	1,039
	2020	73,007	46	14	57,935	-289	15,374	810
Korea, Dem.Ppl's.Rep.	2017	..	..	532	..	..	532	21
	2018	..	..	532	..	..	532	21
	2019	..	..	532	..	..	532	21
	2020	..	..	532	..	..	532	21
Korea, Republic of	2017	30	..	150,613	..	-29	150,672	2,925
	2018	26	..	150,281	..	-2,144	152,451	2,950
	2019	21	..	144,555	..	1,538	143,038	2,761
	2020	14	..	132,462	..	279	132,198	2,550
Kuwait	2017	137,090	96	..	102,455	..	34,635	8,397
	2018	138,731	95	..	103,616	..	35,115	8,134
	2019	135,742	97	..	100,500	..	35,242	7,935
	2020	123,983	106	..	96,142	..	27,841	6,385
Kyrgyzstan	2017	173	29	297	20	5	445	73
	2018	200	25	410	70	-9	549	88
	2019	233	21	134	51	-6	322	51
	2020	239	21	1	51	9	180	28
Malaysia	2017	31,071	14	9,793	14,453	287	26,124	817
	2018	30,917	14	8,927	14,506	435	24,903	769
	2019	28,616	15	9,508	14,392	*200	23,532	717
	2020	25,877	13	10,126	12,061	*289	23,653	712
Mongolia	2017	902	39	..	889	13	0	0
	2018	756	46	..	733	24	0	0
	2019	814	43	..	775	*39	0	0
	2020	486	72	..	482	*4	0	0
Myanmar	2017	589	5	..	241	-1	349	7
	2018	766	4	..	242	..	524	10
	2019	432	7	..	201	..	231	4
	2020	467	6	..	50	-2	419	8
Oman	2017	47,685	15	..	39,596	..	8,089	1,781
	2018	48,784	15	..	39,522	..	9,262	2,013
	2019	47,433	15	..	41,540	..	5,894	1,280
	2020	46,573	16	..	38,420	..	8,153	1,794
Other Asia	2017	5	6	44,517	..	247	44,274	1,871
	2018	4	7	45,959	..	-481	46,444	1,957
	2019	3	9	46,404	..	-84	46,492	1,955
	2020	2	15	38,617	..	643	37,976	1,594
Pakistan	2017	4,329	10	10,404	412	..	14,321	66
	2018	4,368	10	9,029	572	..	12,825	58
	2019	4,359	10	6,677	474	..	10,562	47
	2020	3,676	12	6,575	406	..	9,845	43
Philippines	2017	217	25	10,590	193	-239	10,853	102
	2018	173	27	11,702	146	10	11,719	108
	2019	106	31	8,288	136	83	8,175	74
	2020	96	35	4,500	346	-565	4,815	43

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
Qatar	2017	29,199	38	..	25,647	..	3,552	1,310
	2018	29,233	37	..	25,676	..	3,557	1,286
	2019	31,638	37	..	27,789	..	3,849	1,371
	2020	29,431	38	..	26,428	..	3,003	1,088
Saudi Arabia	2017	508,235	66	..	352,804	-3,772	159,203	4,656
	2018	514,362	65	..	363,997	*-5,412	155,777	4,448
	2019	489,066	68	..	350,529	*-6,852	145,389	4,058
	2020	460,660	83	..	335,110	-2,075	127,625	3,545
Singapore	2017	..	..	56,053	155	432	55,466	9,622
	2018	..	..	54,625	109	-196	54,712	9,410
	2019	..	..	51,866	0	142	51,725	8,817
	2020	..	..	44,807	0	..	44,807	7,582
Sri Lanka	2017	..	..	1,499	..	-147	1,646	77
	2018	..	..	1,763	..	0	1,763	82
	2019	..	..	1,843	..	..	1,843	85
	2020	..	..	1,666	..	..	1,666	77
Syrian Arab Republic	2017	961	328	5,533	..	..	6,494	342
	2018	904	347	7,287	..	..	8,191	424
	2019	1,413	227	5,621	..	..	7,035	350
	2020	1,865	173	4,556	..	..	6,421	309
Tajikistan	2017	23	85	..	..	..	23	3
	2018	24	85	45	..	..	69	8
	2019	12	164	*21	..	..	*33	*4
	2020	25	82	*10	..	..	35	4
Thailand	2017	11,974	3	46,278	1,670	-6,278	62,860	887
	2018	11,399	3	48,925	1,531	-4,114	62,908	884
	2019	11,245	3	43,609	1,278	-3,409	56,985	799
	2020	10,093	2	43,895	1,228	-3,069	55,828	781
Timor-Leste	2017	..	66	..	..	..	..	..
	2018	..	101	..	..	..	..	..
	2019	..	65	..	..	..	..	..
	2020	..	99	..	..	..	..	..
Türkiye	2017	2,553	18	25,767	..	233	28,087	342
	2018	2,851	16	20,972	..	-81	23,904	289
	2019	2,986	15	31,075	..	301	33,760	404
	2020	3,203	14	29,369	..	-183	32,755	389
Turkmenistan	2017	10,300	7	..	1,700	..	8,600	1,441
	2018	9,650	8	..	1,050	..	8,600	1,418
	2019	9,400	8	..	800	..	8,600	1,396
	2020	9,275	8	..	675	..	8,600	1,376
United Arab Emirates	2017	149,937	70	..	118,463	417	31,057	3,425
	2018	149,985	70	..	114,539	1,464	33,982	3,718
	2019	152,482	69	..	120,379	..	32,103	3,485
	2020	138,666	74	8,147	120,596	-1,242	27,459	2,957
Uzbekistan	2017	814	29	263	..	..	1,077	34
	2018	746	28	1,185	..	7	1,924	59
	2019	701	27	651	..	-5	1,357	41
	2020	754	29	613	..	-3	1,370	41
Viet Nam	2017	13,557	43	1,181	6,806	1,822	6,110	65
	2018	11,989	48	5,177	3,961	2,032	11,173	118
	2019	11,043	52	7,776	3,976	..	14,843	155
	2020	8,820	65	11,745	4,657	..	15,908	165

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
Yemen	2017	2,390	156	..	2,013	..	377	13
	2018	3,639	106	..	1,624	..	2,015	65
	2019	3,639	103	..	1,766	..	1,873	59
	2020	3,259	110	..	1,931	..	1,329	41
Europe	2017	663,035	22	592,181	361,705	-4,063	897,573	1,202
	2018	670,913	22	585,335	368,815	1,095	886,338	1,186
	2019	671,876	22	578,181	376,879	876	872,302	1,165
	2020	635,914	24	501,024	355,302	1,952	779,684	1,042
Albania	2017	959	27	..	488	-42	513	178
	2018	911	29	..	583	30	298	104
	2019	1,005	26	..	631	39	335	117
	2020	758	34	..	577	46	134	47
Austria	2017	698	10	7,219	..	-148	8,064	917
	2018	670	10	8,333	..	34	8,970	1,015
	2019	634	11	8,592	..	102	9,124	1,028
	2020	548	12	7,525	..	-10	8,083	907
Belarus	2017	1,650	15	18,130	1,621	-31	18,190	1,874
	2018	1,670	15	18,248	1,640	7	18,271	1,884
	2019	1,690	15	17,998	1,649	163	17,876	1,848
	2020	1,710	15	15,972	1,217	156	16,309	1,693
Belgium	2017	..	..	34,117	..	30	34,087	2,994
	2018	..	..	33,017	..	-7	33,024	2,885
	2019	..	..	34,513	..	-3	34,517	2,999
	2020	..	..	27,323	..	139	27,184	2,351
Bosnia and Herzegovina	2017	..	..	856	..	-22	878	255
	2018	..	..	683	..	-14	697	205
	2019	..	..	6	..	-77	83	25
	2020	..	..	..	..	..	..	..
Bulgaria	2017	24	84	6,859	..	99	6,784	945
	2018	22	89	5,858	..	-6	5,886	827
	2019	..	..	6,985	..	175	6,810	966
	2020	..	..	4,859	..	-31	4,890	701
Croatia	2017	689	9	2,818	..	24	3,483	831
	2018	688	9	2,966	..	64	3,590	863
	2019	664	10	2,006	122	-46	2,595	628
	2020	594	11	1,944	555	-6	1,988	485
Czechia	2017	108	19	7,814	24	34	7,864	747
	2018	110	18	7,439	22	4	7,523	714
	2019	81	25	7,738	..	-28	7,847	745
	2020	92	22	6,174	..	198	6,068	576
Denmark	2017	6,737	11	4,823	4,098	-32	7,495	1,306
	2018	5,666	13	4,714	2,809	25	7,546	1,309
	2019	5,017	15	5,037	2,301	151	7,602	1,312
	2020	3,520	16	4,668	1,089	34	7,065	1,213
Finland	2017	..	..	11,014	..	-136	11,150	2,024
	2018	..	..	11,511	..	12	11,499	2,085
	2019	..	..	11,901	..	-126	12,027	2,178
	2020	..	..	10,717	..	-29	10,746	1,943
France	2017	758	15	57,053	67	400	57,344	863
	2018	774	14	52,727	0	-448	53,948	810
	2019	725	15	48,335	67	-49	49,042	735
	2020	650	17	33,121	82	-43	33,731	505

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
Germany	2017	2,217	14	90,738	..	-249	93,204	1,128
	2018	2,070	15	85,209	..	-503	87,782	1,059
	2019	1,927	16	85,991	106	421	87,391	1,051
	2020	1,907	16	82,724	..	481	84,150	1,010
Greece	2017	142	7	23,667	163	-385	24,030	2,247
	2018	206	5	24,330	202	7	24,327	2,288
	2019	168	6	22,826	242	-275	23,027	2,178
	2020	92	11	22,767	89	519	22,250	2,117
Hungary	2017	714	4	5,984	161	12	6,525	667
	2018	808	4	6,677	394	51	7,040	720
	2019	930	4	6,108	191	42	6,805	696
	2020	841	4	6,100	199	28	6,714	689
Ireland	2017	..	..	2,918	..	-265	3,183	667
	2018	..	..	2,986	..	-38	3,024	625
	2019	..	..	2,553	..	22	2,531	517
	2020	..	..	2,904	..	66	2,838	574
Italy	2017	4,138	20	66,348	697	-319	70,108	1,168
	2018	4,684	17	62,053	502	-757	66,992	1,118
	2019	4,279	19	63,140	..	146	67,272	1,126
	2020	5,384	15	50,363	177	-80	55,650	935
Lithuania	2017	56	18	9,817	42	10	9,821	3,381
	2018	46	22	9,653	45	-35	9,689	3,369
	2019	40	25	9,630	38	116	9,516	3,340
	2020	32	32	7,840	37	-13	7,848	2,783
Netherlands	2017	952	25	52,851	440	-162	53,525	3,111
	2018	901	27	54,305	434	-169	54,942	3,178
	2019	747	34	57,555	393	1,061	56,847	3,274
	2020	737	35	49,449	383	-599	50,402	2,891
Norway	2017	78,413	11	1,797	67,076	-773	13,907	2,635
	2018	73,721	12	3,283	61,535	393	15,076	2,838
	2019	70,008	13	3,187	60,860	-616	12,951	2,422
	2020	84,379	11	3,143	75,112	729	11,680	2,171
Poland	2017	996	15	24,648	220	280	25,144	653
	2018	1,010	15	26,847	296	554	27,007	701
	2019	973	15	26,622	243	76	27,276	709
	2020	937	16	24,906	199	37	25,607	666
Portugal	2017	..	..	14,191	..	54	14,137	1,372
	2018	..	..	12,651	..	111	12,539	1,219
	2019	..	..	11,165	..	48	11,118	1,080
	2020	..	..	10,716	..	-187	10,903	1,059
Republic of Moldova	2017	5	..	0	..	1	4	1
	2018	5	..	0	..	0	5	2
	2019	5	..	..	..	..	5	2
	2020	5	..	..	4	0	1	0
Romania	2017	3,538	22	7,754	37	-188	11,444	581
	2018	3,486	22	8,265	0	87	11,663	595
	2019	3,440	22	8,665	5	143	11,956	612
	2020	3,334	23	7,073	9	-100	10,499	540
Russian Federation	2017	514,536	26	0	252,169	-1,605	263,972	1,815
	2018	523,321	25	0	259,830	2,327	261,165	1,793
	2019	527,586	25	..	269,200	-1,569	259,955	1,784
	2020	482,214	29	..	239,200	-196	243,209	1,670

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
Serbia	2017	889	8	2,447	..	3	3,333	446
	2018	877	8	2,686	..	5	3,557	479
	2019	850	8	2,346	..	58	3,139	424
	2020	828	8	2,549	..	56	3,320	451
Slovakia	2017	6	125	5,587	56	-20	5,557	1,022
	2018	5	143	5,436	5	8	5,428	997
	2019	4	167	5,143	4	33	5,110	937
	2020	2	250	5,655	2	80	5,575	1,022
Spain	2017	120	158	65,958	..	40	66,038	1,418
	2018	87	218	67,586	..	-220	67,893	1,451
	2019	40	475	66,303	..	695	65,648	1,393
	2020	28	679	54,855	..	-271	55,154	1,164
Sweden	2017	..	..	19,061	..	-384	19,445	1,933
	2018	..	..	19,969	..	-140	20,109	1,979
	2019	..	..	16,351	..	-4	16,355	1,593
	2020	..	..	18,570	..	1,076	17,494	1,687
Switzerland	2017	..	..	2,847	..	-3	2,850	337
	2018	..	..	3,018	..	4	3,014	354
	2019	..	..	2,732	..	9	2,723	318
	2020	..	..	2,804	..	-10	2,814	326
Ukraine	2017	1,505	25	905	83	41	2,286	51
	2018	1,624	24	723	..	-6	2,353	53
	2019	1,719	22	790	..	-16	2,525	57
	2020	1,666	22	1,246	80	-24	2,856	65
United Kingdom	2017	43,185	8	43,960	34,264	-326	53,207	805
	2018	47,550	7	44,163	40,519	-284	51,479	775
	2019	49,344	7	43,963	40,827	185	52,295	783
	2020	45,658	7	35,058	36,290	-96	44,522	664
Latin America & Carib.	2017	450,388	67	38,419	253,583	-80	235,304	371
	2018	415,740	73	38,413	239,282	978	213,892	334
	2019	395,202	77	30,876	221,621	-1,536	205,993	319
	2020	369,891	131	23,807	208,725	-3,275	188,248	289
Argentina	2017	24,766	12	1,117	1,481	78	24,324	552
	2018	25,281	11	396	3,197	31	22,449	505
	2019	26,269	11	0	3,389	-373	23,253	520
	2020	24,889	11	..	4,007	151	20,731	460
Barbados	2017	32	8	..	32	0	0	0
	2018	30	8	..	28	2	0	0
	2019	29	9	..	32	-3	0	0
	2020	24	10	..	48	-24	0	0
Belize	2017	53	5	..	39	0	14	36
	2018	44	6	..	29	3	12	31
	2019	39	6	..	31	..	8	20
	2020	27	9	..	10	-2	19	47
Bolivia (Plur. State of)	2017	2,110	7	..	0	-1	2,111	185
	2018	1,967	7	..	..	0	1,968	170
	2019	1,741	8	..	..	9	1,732	147
	2020	1,580	9	..	..	-8	1,588	133
Brazil	2017	134,534	13	7,415	53,337	-223	88,835	426
	2018	132,713	14	9,530	55,164	152	86,927	414
	2019	142,845	13	8,796	62,866	1,701	87,074	411
	2020	151,093	11	8,597	70,169	-758	90,279	423

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
Chile	2017	169	72	8,468	..	7	8,631	470
	2018	154	53	8,553	..	-52	8,759	468
	2019	167	42	9,305	..	32	9,440	496
	2020	77	55	7,223	..	-88	7,388	383
Colombia	2017	45,322	7	..	33,419	..	11,902	246
	2018	45,929	7	..	31,704	..	14,225	289
	2019	46,528	7	..	29,550	-453	17,432	347
	2020	41,139	7	65	28,639	-4,671	17,236	338
Cuba	2017	2,522	1	2,840	..	..	5,362	473
	2018	2,463	1	2,550	..	..	5,013	443
	2019	2,372	1	2,416	..	..	4,787	423
	2020	2,320	1	1,793	..	..	4,114	364
Curaçao	2017	..	..	4,357	..	..	4,357	25,400
	2018	..	..	3,253	..	..	3,253	17,608
	2019	..	..	0	..	..	0	0
	2020	..	..	..	..	..	..	..
Dominican Republic	2017	..	..	990	..	44	947	89
	2018	..	..	1,245	..	-23	1,268	118
	2019	..	..	1,250	..	-34	1,283	118
	2020	..	..	498	..	..	498	45
Ecuador	2017	26,676	44	3	18,351	-558	8,887	532
	2018	26,240	44	..	18,019	-399	8,620	507
	2019	26,938	43	..	19,048	-484	8,374	483
	2020	24,386	8	..	17,574	395	6,417	365
Guatemala	2017	481	23	..	393	0	88	5
	2018	459	24	..	309	..	151	9
	2019	479	23	..	268	..	210	12
	2020	390	28	..	191	*33	165	10
Jamaica	2017	..	..	1,165	..	..	1,165	415
	2018	..	..	1,035	..	..	1,035	368
	2019	..	..	1,309	..	..	1,309	465
	2020	..	..	1,075	..	..	1,075	381
Mexico	2017	100,827	14	..	62,607	561	37,659	307
	2018	95,073	15	192	63,626	1,554	30,085	243
	2019	88,386	16	..	59,426	-1,984	30,944	247
	2020	88,494	9	..	59,519	1,463	27,512	218
Nicaragua	2017	..	..	709	..	*8	701	108
	2018	..	..	648	..	*-30	678	103
	2019	..	..	559	..	-3	562	84
	2020	..	..	573	..	12	561	83
Peru	2017	2,177	30	6,261	78	64	8,295	262
	2018	2,442	29	5,629	324	-233	7,980	248
	2019	2,647	28	5,242	284	112	7,494	228
	2020	1,988	16	2,039	560	179	3,288	99
Suriname	2017	908	13	14	..	..	922	1,570
	2018	916	13	9	..	..	925	1,558
	2019	924	13	..	..	..	924	1,538
	2020	916	13	..	..	..	916	1,509
Trinidad and Tobago	2017	3,702	24	4,554	1,408	..	6,847	4,631
	2018	3,277	28	3,233	1,137	..	5,373	3,571
	2019	3,034	29	..	3,008	..	26	17
	2020	2,919	31	..	2,869	..	50	33

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
Uruguay	2017	..	..	527	..	-60	587	171
	2018	..	..	2,139	..	-26	2,165	632
	2019	..	..	1,998	..	-57	2,055	599
	2020	..	..	1,944	..	43	1,901	554
Venezuela (Bolivar. Rep.)	2017	106,108	237	..	82,438	..	23,671	774
	2018	78,752	320	..	65,746	..	13,007	436
	2019	52,804	475	..	43,718	..	9,086	314
	2020	29,649	1,525	..	25,139	..	4,511	158
Northern America	2017	632,024	46	433,821	201,792	-13,927	877,980	2,396
	2018	730,353	40	422,574	258,359	1,352	893,217	2,419
	2019	792,939	37	377,850	313,343	-5,391	862,836	2,320
	2020	735,754	38	329,220	314,385	9,259	741,330	1,982
Canada	2017	170,757	149	40,562	144,695	226	66,398	1,816
	2018	188,258	135	39,311	157,340	355	69,874	1,887
	2019	188,813	134	42,400	166,270	-968	65,911	1,757
	2020	177,705	138	38,078	156,209	703	58,871	1,554
United States	2017	461,267	12	393,259	57,097	-14,153	811,582	2,461
	2018	542,095	10	383,263	101,019	997	823,343	2,479
	2019	604,126	9	335,450	147,074	-4,423	796,925	2,384
	2020	558,049	10	291,142	158,176	8,556	682,459	2,031
Oceania	2017	15,430	28	22,586	12,075	115	25,826	618
	2018	14,440	30	23,944	11,835	-112	26,661	627
	2019	16,012	26	23,619	12,842	108	26,682	617
	2020	18,310	14	19,614	14,547	205	23,172	527
Australia	2017	12,993	30	15,959	9,698	-67	19,321	786
	2018	12,392	32	17,674	9,792	-119	20,393	816
	2019	14,224	27	17,184	11,075	276	20,057	791
	2020	16,564	13	14,438	12,896	57	18,049	703
New Zealand	2017	1,399	11	5,215	1,339	101	5,174	1,090
	2018	1,075	14	4,948	1,070	-42	4,995	1,032
	2019	1,112	13	5,127	1,091	-170	5,319	1,073
	2020	947	15	3,728	901	88	3,686	728
Papua New Guinea	2017	1,038	23	1,412	1,038	81	1,331	146
	2018	973	25	1,322	973	49	1,273	136
	2019	676	36	1,308	676	2	1,306	137
	2020	799	30	1,448	750	60	1,437	147

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, 2020

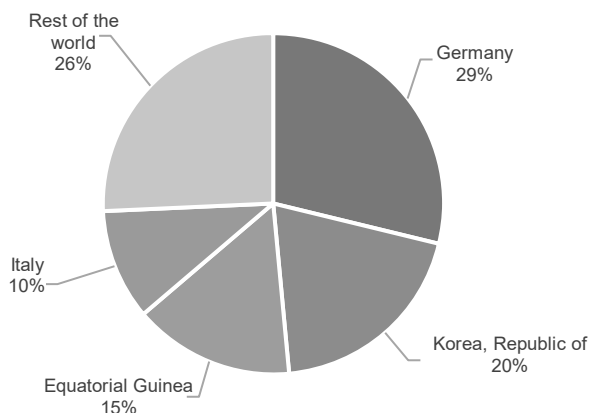


Figure 42: Major other hydrocarbons producing countries, 2020

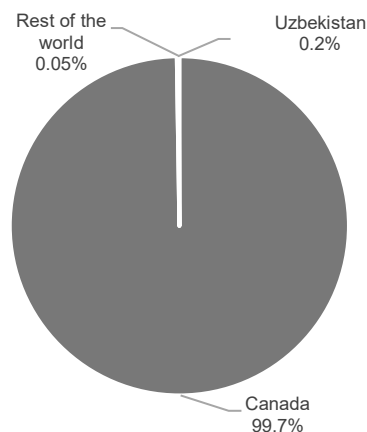


Table 14

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	2017	4,727	8,077	57,114	31,394
	2018	5,076	7,944	55,944	32,538
	2019	4,916	8,907	63,760	36,490
	2020	4,617	6,254	62,494	36,243
Africa	2017	1,083	..	..	4,680
	2018	1,024	..	..	5,035
	2019	933	..	..	5,041
	2020	706	..	..	5,088
Equatorial Guinea	2017	1,083	..	..	..
	2018	1,024	..	..	..
	2019	933	..	..	..
	2020	*706	..	..	..
Nigeria	2017	..	..	..	200
	2018	..	..	..	200
	2019	..	..	..	200
	2020	..	..	..	200
South Africa	2017	..	..	..	4,480
	2018	..	..	..	4,835
	2019	..	..	..	4,840
	2020	..	..	..	4,888
Asia	2017	879	5,270	139	12,479
	2018	960	5,046	145	12,142
	2019	1,133	5,562	145	16,187
	2020	1,356	6,028	127	15,824
China	2017	..	..	..	7,044
	2018	..	..	..	5,815
	2019	..	..	..	9,042
	2020	..	..	..	8,505
Israel	2017	..	..	..	114
	2018	..	..	..	98
	2019	..	..	..	124
	2020	..	..	..	83
Korea, Republic of	2017	688	..	..	..
	2018	748	..	..	..
	2019	741	..	..	..
	2020	912	..	..	..
Malaysia	2017	..	..	..	509
	2018	..	..	..	*531
	2019	..	..	..	549
	2020	..	..	..	504
Other Asia	2017	191	..	..	..
	2018	212	..	..	..
	2019	392	..	..	..
	2020	444	..	..	..
Qatar	2017	..	..	..	4,319
	2018	..	..	..	5,180
	2019	..	..	..	5,180
	2020	..	..	..	5,180
Saudi Arabia	2017	..	*5,270	..	..
	2018	..	*5,046	..	..
	2019	..	*5,562	..	..
	2020	..	*6,028	..	..

Production of additives and other hydrocarbons

Thousand metric tons

Country or area	Year	Additives		Other hydrocarbons	
		Production	From other sources	Production	From other sources
Türkiye	2017	..	..	..	492
	2018	..	..	..	517
	2019	..	..	..	927
	2020	..	..	..	826
Turkmenistan	2017	..	..	..	..
	2018	..	..	..	..
	2019	..	..	..	365
	2020	..	..	..	727
Uzbekistan	2017	..	..	139	..
	2018	..	..	145	..
	2019	..	..	145	..
	2020	..	..	127	..
Europe	2017	2,568	253	0	6,491
	2018	2,852	225	..	7,441
	2019	2,667	206	..	7,635
	2020	2,384	215	30	7,620
Belarus	2017	..	20	..	..
	2018	..	14	..	..
	2019	..	16	..	..
	2020	..	*16	..	..
Belgium	2017	..	..	..	..
	2018	..	..	..	34
	2019	..	..	..	53
	2020	..	..	..	51
Bulgaria	2017	..	..	..	188
	2018	..	9	..	152
	2019	..	4	..	183
	2020	..	2	..	167
Croatia	2017	..	..	..	67
	2018	..	..	..	75
	2019	..	..	..	54
	2020	..	..	..	53
Czechia	2017	105	18	..	..
	2018	89	23	..	..
	2019	82	31	..	..
	2020	3	36	..	..
Estonia	2017	..	..	..	1,016
	2018	..	..	..	1,111
	2019	..	..	..	1,159
	2020	..	..	..	1,158
Finland	2017	..	..	..	288
	2018	..	..	..	262
	2019	..	..	..	283
	2020	..	..	..	249
France	2017	206	..	..	..
	2018	139	..	..	..
	2019	240	..	..	..
	2020	167	..	..	..
Germany	2017	1,444	..	..	..
	2018	1,570	..	..	..
	2019	1,421	..	..	..
	2020	1,328	..	..	..

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
Hungary	2017	43	..	..	33
	2018	53	..	..	40
	2019	46	..	..	39
	2020	44	..	..	40
Ireland	2017	..	..	..	40
	2018	..	..	..	36
	2019	..	..	..	39
	2020	..	..	..	39
Italy	2017	360	..	..	..
	2018	460	..	..	..
	2019	486	..	..	..
	2020	486	..	30	..
Netherlands	2017	278	..	..	..
	2018	375	..	..	..
	2019	233	..	..	..
	2020	191	..	..	..
Norway	2017	66	..	..	..
	2018	74	0	..	..
	2019	74	..	..	..
	2020	74	..	..	..
Poland	2017	1	..	..	584
	2018	7	..	..	636
	2019	22	..	..	592
	2020	7	..	..	550
Portugal	2017	..	..	..	71
	2018	..	..	..	65
	2019	..	..	..	66
	2020	..	..	..	55
Romania	2017	22	..	..	74
	2018	31	..	..	66
	2019	35	..	..	77
	2020	33	..	..	84
Russian Federation	2017	..	..	..	*3,962
	2018	..	..	..	*4,806
	2019	..	..	..	*4,749
	2020	..	..	..	*4,749
Serbia	2017	13	..	..	23
	2018	16	..	..	28
	2019	12	..	..	28
	2020	15	..	..	29
Slovakia	2017	..	215	..	146
	2018	..	178	..	131
	2019	..	155	..	129
	2020	..	161	..	126
Sweden	2017	..	..	..	..
	2018	..	..	..	..
	2019	..	..	..	184
	2020	..	..	..	272
Ukraine	2017	30	..	..	..
	2018	39	..	..	..
	2019	15	..	..	..
	2020	37	..	..	..

Production of additives and other hydrocarbons

Thousand metric tons

Country or area	Year	Additives		Other hydrocarbons	
		Production	From other sources	Production	From other sources
Latin America & Carib.	2017	197	..	..	551
	2018	240	..	..	319
	2019	184	..	..	506
	2020	171	..	..	729
Brazil	2017	..	..	..	472
	2018	..	..	..	283
	2019	..	..	..	475
	2020	..	..	..	714
Chile	2017	..	..	..	46
	2018	..	..	..	..
	2019	..	..	..	..
	2020	..	..	..	..
Mexico	2017	197	..	..	33
	2018	240	..	..	36
	2019	184	..	..	31
	2020	171	..	..	15
Northern America	2017	..	2,554	56,975	7,192
	2018	..	2,673	55,799	7,600
	2019	..	3,139	63,615	7,121
	2020	..	11	62,337	6,981
Canada	2017	..	4	56,975	3,037
	2018	..	86	55,799	3,452
	2019	..	1	63,615	3,138
	2020	..	11	62,337	3,132
United States	2017	..	2,550	..	4,155
	2018	..	2,587	..	4,148
	2019	..	3,138	..	3,983
	2020	..	..	..	3,849

Table 15

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

Thousand metric tons

2019

Importers	Exporters							
	World	Angola	Brazil	Canada	Iraq	Kazakhstan	Kuwait	Libya
Australia	17,184	..	..	..	..	..	..	914
Bahrain	11,119	..	..	..	..	..	..	..
Belarus	17,998	..	..	..	..	..	..	..
Belgium	34,513	..	93	613	2,134	1,312	329	7
Brazil	8,796	..	..	..	553	..	..	187
Canada	42,400	..	..	..	..	..	..	144
Chile	9,305	384	3,352	..	..	..	..	..
China	505,676	45,797	40,161	529	51,798	2,743	22,689	9,401
Finland	11,901	..	..	..	..	..	..	..
France	48,335	900	400	..	2,741	6,761	145	2,554
Germany	85,991	..	..	114	2,696	6,324	607	8,332
Greece	22,826	..	..	..	11,284	3,410	..	1,228
India	226,955	5,779	2,206	..	49,203	2,894	10,626	133
Indonesia	10,122	130	..	..	..	..	..	..
Italy	63,140	1,243	..	702	12,600	4,086	..	7,785
Japan	145,187	122	..	40	1,699	1,402	13,196	44
Korea, Republic of	144,555	..	..	187	15,939	7,861	20,242	210
Netherlands	57,555	123	1,248	1,183	4,656	..	4,150	316
Philippines	8,288	..	181	..	..	..	2,225	..
Poland	26,622	511	..	..	..	715	..	..
Portugal	11,165	2,405	1,072	..	548	352	..	..
Singapore	51,866	447	260	..	..	398	2,733	718
South Africa	21,713	1,153	..	..	..	..	..	..
Spain	66,303	2,144	2,361	669	5,264	3,912	..	8,505
Sweden	16,351	..	..	..	..	..	..	203
Thailand	43,609	1,094	..	..	..	..	798	902
Türkiye	31,075	..	..	..	9,526	3,179	19	1,106
United Kingdom	43,963	..	..	628	..	..	..	793
United States	335,450	1,630	5,982	161,605	16,349	1,625	2,207	2,969

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

Thousand metric tons

2019

Exporters									
Mexico	Nigeria	Norway	Oman	Russian Federation	Saudi Arabia	United Arab Emirates	United Kingdom	United States	Venezuela (Bolivar. Rep.)
..	665	..	..	155	..	2,897	..	442	..
..	..	..	..	..	10,644	..	..	..	..
..	..	..	..	17,998	..	..	..	..	..
25	3,742	1,927	..	11,178	5,313	..	2,734	3,285	639
..	1,339	86	..	..	..	..	..	2,374	..
..	392	652	..	890	6,003	..	485	32,754	..
..	..	..	..	..	..	..	..	1,623	..
409	2,436	3,327	33,866	77,642	83,330	15,280	10,033	6,756	11,385
..	..	777	..	10,958	..	..	..	..	..
..	5,928	3,153	..	6,171	7,274	..	570	3,750	..
57	5,241	9,702	..	27,091	1,595	..	10,217	5,325	751
..	..	..	..	2,174	1,630	85	78	563	50
9,084	18,489	..	1,897	2,950	42,594	12,614	..	12,563	15,894
..	3,724	38	..	..	4,863	184	..	..	..
89	3,413	914	..	9,096	4,974	..	665	1,414	437
342	..	..	2,510	7,052	50,419	48,328	..	2,248	..
6,228	526	99	49	4,171	39,777	12,050	411	18,710	..
423	5,211	6,068	..	13,793	2,651	..	8,345	5,275	..
..	50	..	..	236	2,811	1,851	..	38	..
..	1,382	537	..	18,199	3,848	..	662	723	..
..	516	274	..	1,208	1,244	..	159	..	..
..	584	90	..	1,428	6,095	13,222	81	3,827	..
..	7,174	111	..	..	6,122	2,011	..	175	..
9,431	11,198	2,213	..	1,591	8,246	..	857	1,909	2,297
..	1,710	6,655	..	4,759	..	..	439	342	1,021
..	724	..	67	2,270	8,983	11,857	..	5,396	..
..	1,829	..	..	10,449	1,916	..	..	..	..
..	2,777	16,857	..	3,800	1,024	..	..	11,405	83
29,563	9,197	2,329	..	6,618	24,654	..	3,152	..	3,973

Table 15

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

Thousand metric tons

2020

Importers	Exporters							
	World	Angola	Brazil	Canada	Iraq	Kazakhstan	Kuwait	Libya
Australia	14,438	..	..	..	..	..	..	1,009
Bahrain	8,823	..	..	..	..	..	..	..
Belarus	15,972	..	..	..	..	1	..	..
Belgium	27,323	118	..	635	1,221	2,378	213	93
Brazil	8,597	34	..	..	272	..	..	46
Canada	38,078	..	..	..	..	..	..	..
Chile	7,223	143	2,897	135	..	..	..	..
China	542,007	41,772	42,234	839	60,114	3,645	27,497	1,697
Finland	10,717	..	..	..	..	..	..	..
France	33,121	1,373	252	..	951	5,358	276	884
Germany	82,724	3	99	576	2,233	7,427	422	1,855
Greece	22,767	..	..	..	8,149	3,931	..	170
India	196,461	4,018	3,564	109	27,283	3,345	9,892	..
Indonesia	12,068	..	..	..	..	..	..	..
Italy	50,363	558	257	833	8,719	4,086	..	3,485
Japan	115,082	..	..	..	674	1,402	10,199	..
Korea, Republic of	132,462	..	2,297	71	10,474	7,861	17,768	..
Netherlands	49,449	912	1,115	196	2,137	..	895	243
Philippines	4,500	77	..	..	..	..	1,588	..
Poland	24,906	..	..	..	..	682	..	..
Portugal	10,716	1,099	2,816	..	..	..	..	..
Singapore	44,807	699	2,507	45	..	135	3,167	510
South Africa	13,188	129	269	..	..	..	..	..
Spain	54,855	1,696	3,070	523	3,505	4,518	..	1,967
Sweden	18,570	..	71	..	..	..	..	77
Thailand	43,895	3,533	..	..	..	..	821	820
Türkiye	29,369	144	..	..	11,784	3,332	..	951
United Kingdom	35,058	..	..	1,642	..	..	..	433
United States	291,142	1,378	3,814	150,605	8,705	860	1,020	421

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

Thousand metric tons

2020

Exporters									
Mexico	Nigeria	Norway	Oman	Russian Federation	Saudi Arabia	United Arab Emirates	United Kingdom	United States	Venezuela (Bolivar. Rep.)
..	602	..	..	75	..	1,604	..	2,990	..
..	..	..	..	..	8,645	..	..	..	..
..	..	..	..	10,663	40	..	..	81	..
..	2,316	2,416	..	8,182	5,058	..	2,228	2,121	..
..	672	..	..	..	..	..	..	1,698	..
..	1,141	780	..	..	4,455	..	95	31,060	..
..	..	..	..	..	..	..	..	882	..
197	3,933	13,619	34,672	83,444	84,929	31,155	5,375	23,785	..
..	..	1,312	..	9,007	..	..	311	..	..
..	3,194	3,552	..	2,906	3,911	..	778	4,207	..
..	5,174	8,033	..	28,132	2,194	..	9,489	9,371	..
..	..	150	..	4,037	1,762	..	218	645	..
8,078	8,832	149	2,688	2,625	37,599	16,869	155	13,888	9,512
..	2,308	72	..	..	4,196	102	..	..	..
..	2,714	1,339	..	5,596	6,645	..	753	1,578	724
..	..	..	450	4,176	49,735	34,861	..	768	..
6,806	1,327	1,171	530	6,368	43,833	10,524	1,239	14,167	..
..	3,838	4,957	..	13,080	2,884	..	8,511	6,760	..
..	227	..	..	452	2,077	79	..	..	..
..	1,417	532	..	17,939	4,172	..	121	..	..
..	1,846	803	..	..	1,063	..	..	691	..
..	1,494	..	80	245	4,788	10,854	..	4,502	..
..	6,136	74	..	140	5,094	644	..	702	..
8,443	10,840	996	..	980	5,542	..	1,017	3,095	1,405
..	1,351	12,110	..	1,423	..	..	1,154	2,052	..
..	2,470	..	..	2,809	9,784	13,904	..	3,742	..
..	2,463	2,841	..	3,268	3,160	..	..	..	..
..	2,965	11,755	..	3,948	69	..	..	11,359	..
32,450	3,300	685	..	3,739	24,629	..	1,383	..	..

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, 2020

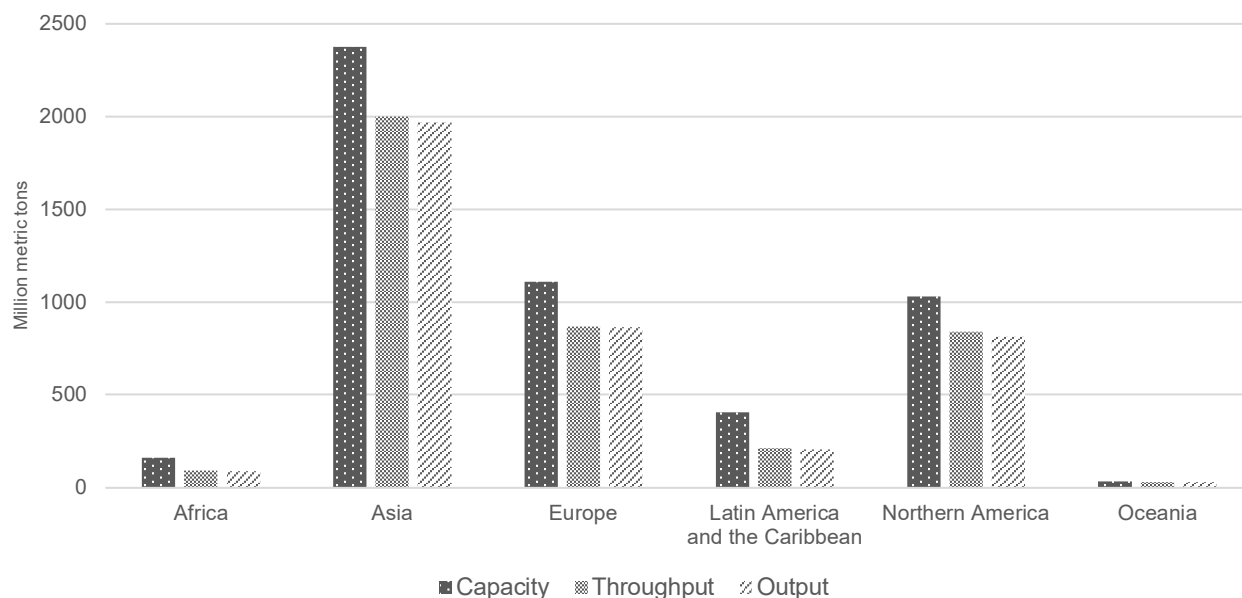


Figure 44: Total refinery distillation capacity by region, 1990-2020

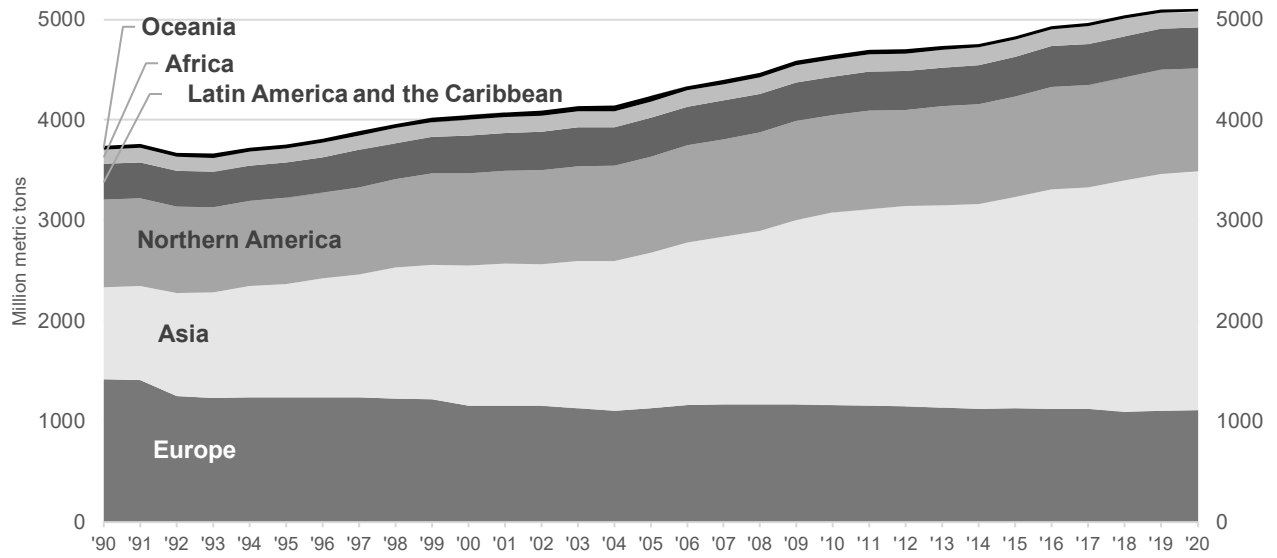


Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
World	2017	4,966,388	4,347,718	4,253,054
	2018	5,041,603	4,388,316	4,308,604
	2019	5,098,907	4,376,826	4,303,586
	2020	5,111,019	4,033,455	3,963,121
Africa	2017	181,235	100,461	95,454
	2018	182,182	103,565	98,631
	2019	161,752	100,086	97,688
	2020	158,390	90,492	86,060
Algeria	2017	32,459	28,513	28,317
	2018	32,858	30,784	29,914
	2019	32,858	28,628	28,298
	2020	32,858	28,943	27,815
Angola	2017	4,005	2,577	2,556
	2018	4,005	1,852	1,858
	2019	4,005	2,520	2,519
	2020	4,005	2,286	1,828
Cameroon	2017	2,100	1,485	1,313
	2018	2,100	1,346	1,191
	2019	2,100	696	616
	2020	0	..	..
Chad	2017	*998	674	*656
	2018	*998	700	*656
	2019	*998	700	*677
	2020	*998	*700	*657
Congo	2017	1,047	838	716
	2018	1,047	851	725
	2019	1,047	860	735
	2020	1,047	831	713
Côte d'Ivoire	2017	3,192	3,296	*3,064
	2018	*3,740	3,433	3,366
	2019	*3,740	3,738	3,711
	2020	3,800	3,427	3,329
Egypt	2017	38,040	27,107	23,888
	2018	38,040	26,328	26,083
	2019	39,133	28,489	28,310
	2020	39,133	31,448	29,692
Gabon	2017	*1,197	811	793
	2018	*1,197	699	683
	2019	1,197	595	582
	2020	1,247	831	818
Ghana	2017	2,244	24	19
	2018	*2,244	405	310
	2019	2,244	619	624
	2020	2,244	506	496
Libya	2017	18,953	4,835	4,793
	2018	18,953	5,647	5,598
	2019	*18,953	4,350	4,259
	2020	*18,953	1,759	1,722
Morocco	2017	7,725	..	..
	2018	7,725	..	..
	2019	7,716	..	..
	2020	7,716	..	..

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Niger	2017	*1,200	931	814
	2018	*1,200	818	763
	2019	*1,200	755	634
	2020	*1,200	*857	645
Nigeria	2017	22,195	4,722	4,379
	2018	*22,195	2,744	2,389
	2019	10,743	588	528
	2020	10,471	0	0
Senegal	2017	1,248	1,319	1,202
	2018	1,248	1,051	981
	2019	1,248	1,024	886
	2020	1,248	821	757
Sierra Leone	2017	499	..	..
	2018	*499	..	..
	2019	*499	..	..
	2020	*499	..	..
South Africa	2017	35,062	17,998	17,918
	2018	*35,062	21,704	19,125
	2019	*25,000	22,141	21,120
	2020	*23,900	13,112	12,803
Sudan	2017	6,074	*3,799	3,609
	2018	6,074	*3,495	3,320
	2019	*6,074	*3,540	*3,390
	2020	*6,074	*3,484	*3,331
Tunisia	2017	1,800	912	848
	2018	1,800	1,062	1,074
	2019	1,800	142	141
	2020	*1,800	1,114	1,108
Zambia	2017	1,197	620	569
	2018	1,197	647	595
	2019	1,197	700	658
	2020	*1,197	372	344
Asia	2017	2,207,066	2,007,506	1,968,973
	2018	2,301,337	2,060,799	2,027,183
	2019	2,359,458	2,080,478	2,046,481
	2020	2,374,088	1,999,823	1,967,003
Afghanistan	2017	150	*117	*112
	2018	*185	*185	*176
	2019	*185	*119	*112
	2020	*185	*51	*46
Azerbaijan	2017	5,985	5,878	5,559
	2018	*5,985	6,091	5,963
	2019	*5,985	6,194	6,041
	2020	*5,985	5,931	5,795
Bahrain	2017	12,968	13,182	13,303
	2018	12,968	12,940	13,227
	2019	13,314	13,149	13,386
	2020	13,314	11,093	11,200
Bangladesh	2017	1,502	1,621	1,432
	2018	1,920	1,439	1,249
	2019	1,920	1,576	1,408
	2020	1,920	1,125	1,057

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Brunei Darussalam	2017	900	285	232
	2018	900	358	320
	2019	*8,734	1,879	1,330
	2020	*8,734	8,441	8,137
China	2017	*790,000	671,438	675,125
	2018	*835,611	713,743	711,792
	2019	*860,000	766,235	763,910
	2020	*860,000	812,744	808,477
Georgia	2017	*5,440	25	24
	2018	*5,440	24	22
	2019	*5,440	38	37
	2020	*5,440	37	37
India	2017	247,566	262,114	260,900
	2018	249,366	267,061	273,711
	2019	249,866	*263,999	263,195
	2020	249,866	*230,431	231,656
Indonesia	2017	46,957	44,402	38,923
	2018	58,210	42,375	38,887
	2019	58,309	*48,174	42,353
	2020	59,202	47,632	40,742
Iran (Islamic Rep. of)	2017	92,347	89,736	87,782
	2018	104,314	89,466	87,516
	2019	109,776	89,349	88,203
	2020	109,902	82,816	82,221
Iraq	2017	26,421	26,640	24,090
	2018	40,648	30,129	28,267
	2019	41,087	31,956	29,738
	2020	55,700	27,182	25,838
Israel	2017	15,225	14,088	14,088
	2018	15,225	14,782	14,782
	2019	*15,225	15,268	15,268
	2020	*15,225	12,832	12,832
Japan	2017	175,960	161,081	157,198
	2018	175,511	154,243	150,956
	2019	172,459	150,937	147,427
	2020	172,459	122,547	121,298
Jordan	2017	*4,509	2,779	2,671
	2018	*4,509	2,356	2,264
	2019	*4,509	2,403	2,140
	2020	*4,509	*1,880	1,786
Kazakhstan	2017	16,958	*14,523	13,619
	2018	16,958	16,257	14,617
	2019	21,446	17,070	15,910
	2020	*15,785	15,801	14,925
Korea, Dem.Ppl's.Rep.	2017	3,494	532	515
	2018	3,494	532	515
	2019	3,494	532	515
	2020	*3,494	532	515
Korea, Republic of	2017	154,826	161,936	153,142
	2018	159,762	165,075	158,099
	2019	159,762	163,247	157,811
	2020	159,762	152,301	147,105

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Kuwait	2017	39,202	33,813	32,150
	2018	36,708	35,101	32,450
	2019	39,900	31,400	30,906
	2020	36,835	28,919	26,138
Kyrgyzstan	2017	*800	445	431
	2018	*800	549	544
	2019	800	322	318
	2020	800	180	162
Malaysia	2017	26,862	26,333	26,501
	2018	26,862	24,727	24,093
	2019	26,862	23,399	22,506
	2020	*26,862	23,398	21,630
Myanmar	2017	2,545	*410	406
	2018	2,545	258	247
	2019	*2,545	213	207
	2020	2,545	238	237
Oman	2017	15,112	10,523	9,625
	2018	15,112	12,910	12,141
	2019	*15,112	13,028	12,031
	2020	*15,112	11,309	10,451
Other Asia	2017	56,898	44,364	44,406
	2018	56,898	46,511	46,752
	2019	56,898	46,560	46,305
	2020	54,946	38,056	38,920
Pakistan	2017	19,950	*14,440	13,751
	2018	20,818	13,856	13,472
	2019	20,798	12,504	11,939
	2020	20,798	9,845	9,872
Philippines	2017	*13,766	10,380	9,847
	2018	*13,766	11,743	11,110
	2019	*13,766	8,129	7,735
	2020	*13,766	4,729	4,525
Qatar	2017	21,446	15,943	15,883
	2018	21,446	15,947	15,867
	2019	21,446	16,239	16,047
	2020	21,446	14,863	14,572
Saudi Arabia	2017	142,475	150,891	148,540
	2018	140,960	149,454	146,532
	2019	144,404	*126,366	125,274
	2020	146,350	116,998	115,982
Singapore	2017	67,057	54,108	53,684
	2018	67,057	53,541	49,002
	2019	67,057	50,147	50,315
	2020	67,057	45,600	42,417
Sri Lanka	2017	2,494	1,646	1,642
	2018	2,494	1,703	1,629
	2019	2,494	1,865	1,825
	2020	2,494	1,715	1,669
Syrian Arab Republic	2017	11,963	6,494	6,418
	2018	11,963	8,191	8,096
	2019	11,963	7,035	6,953
	2020	11,963	6,421	6,346

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Tajikistan	2017	150	24	23
	2018	*150	45	46
	2019	150	33	30
	2020	150	35	16
Thailand	2017	61,571	62,657	60,098
	2018	61,571	62,698	61,335
	2019	61,571	56,796	56,394
	2020	62,070	55,643	57,279
Türkiye	2017	*33,067	32,071	31,940
	2018	*33,067	28,498	28,227
	2019	*44,067	37,430	37,005
	2020	*44,067	35,657	35,315
Turkmenistan	2017	13,017	8,881	8,526
	2018	13,017	8,923	8,566
	2019	13,017	8,861	8,507
	2020	*13,017	8,849	8,313
United Arab Emirates	2017	56,119	53,299	46,361
	2018	56,210	51,926	48,737
	2019	56,210	48,511	45,284
	2020	63,441	43,633	40,054
Uzbekistan	2017	*7,880	3,971	3,609
	2018	5,420	4,207	3,847
	2019	5,420	3,808	3,611
	2020	5,420	3,616	3,368
Viet Nam	2017	6,500	6,128	6,122
	2018	16,484	11,047	10,301
	2019	*16,484	13,938	12,815
	2020	*16,484	15,508	14,888
Yemen	2017	*6,983	309	295
	2018	*6,983	1,910	1,826
	2019	*6,983	1,769	1,690
	2020	*6,983	1,235	1,180
Europe	2017	1,119,656	984,939	969,768
	2018	1,096,597	974,373	966,237
	2019	1,102,318	961,144	962,571
	2020	1,110,600	866,450	865,117
Albania	2017	1,494	513	503
	2018	1,494	298	291
	2019	1,494	335	323
	2020	1,494	134	131
Austria	2017	9,576	8,653	8,496
	2018	9,576	9,281	9,165
	2019	9,576	9,642	9,530
	2020	9,576	8,519	8,438
Belarus	2017	24,605	18,743	18,451
	2018	27,082	19,040	18,752
	2019	27,082	17,870	17,607
	2020	*24,000	16,312	16,083
Belgium	2017	38,703	35,510	35,283
	2018	*38,703	34,344	34,070
	2019	*38,703	35,478	35,152
	2020	*38,703	27,659	27,511

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Bosnia and Herzegovina	2017	*11,970	878	862
	2018	*11,970	697	704
	2019	*11,970	83	74
	2020	*11,970	13	13
Bulgaria	2017	*9,726	7,588	7,142
	2018	*9,726	6,486	6,189
	2019	*9,726	7,347	6,968
	2020	*9,726	5,315	5,061
Croatia	2017	*10,699	3,947	3,882
	2018	9,000	3,979	3,929
	2019	8,300	2,933	2,908
	2020	8,300	2,615	2,560
Czechia	2017	*9,676	8,250	8,183
	2018	*9,676	7,864	7,848
	2019	*9,676	8,161	8,089
	2020	8,728	6,361	6,341
Denmark	2017	9,027	8,796	8,759
	2018	*9,027	9,114	9,095
	2019	*9,027	8,653	8,635
	2020	*8,900	8,193	8,176
Finland	2017	13,017	14,886	14,727
	2018	13,017	14,877	14,866
	2019	13,017	14,927	14,808
	2020	13,017	13,681	13,668
France	2017	70,124	59,828	59,348
	2018	70,124	56,115	55,639
	2019	70,124	51,216	50,842
	2020	70,124	37,158	36,896
Germany	2017	104,400	103,934	101,529
	2018	*104,400	99,453	97,088
	2019	*104,400	99,884	97,682
	2020	*104,400	95,400	93,170
Greece	2017	*26,234	31,777	31,766
	2018	*26,234	32,785	32,771
	2019	*26,234	30,138	30,133
	2020	*26,234	28,795	28,766
Hungary	2017	8,100	7,220	7,146
	2018	8,229	7,737	7,658
	2019	8,229	7,476	7,398
	2020	8,229	7,363	7,292
Ireland	2017	3,741	3,190	3,184
	2018	3,741	3,061	3,057
	2019	3,741	2,767	2,742
	2020	3,741	2,892	2,892
Italy	2017	100,904	75,646	74,946
	2018	100,904	72,400	71,741
	2019	100,900	74,242	73,437
	2020	100,900	60,871	60,231
Lithuania	2017	*10,220	10,128	10,021
	2018	10,220	9,891	9,782
	2019	10,220	9,720	9,605
	2020	10,220	8,000	7,905

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Netherlands	2017	65,835	60,004	59,664
	2018	65,835	61,097	60,920
	2019	*64,374	62,099	61,855
	2020	61,300	55,646	55,352
North Macedonia	2017	2,494	0	0
	2018	2,494	..	..
	2019	2,494	..	..
	2020	2,494	..	..
Norway	2017	17,955	17,030	17,294
	2018	*17,955	17,926	17,698
	2019	*17,955	16,094	15,865
	2020	*17,955	14,735	14,579
Poland	2017	29,250	27,220	26,694
	2018	29,250	28,858	28,226
	2019	29,250	28,983	28,457
	2020	27,724	27,417	26,988
Portugal	2017	16,459	15,478	15,478
	2018	16,459	14,115	14,063
	2019	16,459	12,813	12,762
	2020	16,459	11,959	11,908
Republic of Moldova	2017	19	15	15
	2018	19	10	10
	2019	19	6	5
	2020	19	6	7
Romania	2017	18,853	12,484	12,462
	2018	*18,853	12,595	12,584
	2019	*18,853	13,337	13,327
	2020	*18,853	11,737	11,728
Russian Federation	2017	287,200	289,136	281,548
	2018	*287,200	286,135	285,776
	2019	*287,200	286,916	297,661
	2020	*304,239	274,181	280,926
Serbia	2017	10,715	3,659	3,638
	2018	*10,715	3,880	3,858
	2019	*10,715	3,514	3,495
	2020	*10,715	3,627	3,607
Slovakia	2017	*5,736	6,150	6,119
	2018	*5,736	5,950	5,930
	2019	*5,736	5,602	5,580
	2020	5,736	6,069	6,045
Slovenia	2017	673	..	..
	2018	673	..	..
	2019	673	..	..
	2020	673	..	..
Spain	2017	71,197	66,825	65,766
	2018	71,197	68,717	67,599
	2019	*79,083	66,539	65,221
	2020	*79,083	56,618	55,673
Sweden	2017	*21,796	20,703	21,132
	2018	*21,796	21,994	21,649
	2019	*21,796	18,933	18,078
	2020	*21,796	19,963	19,720

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Switzerland	2017	3,392	2,895	2,877
	2018	3,392	3,070	3,069
	2019	*3,392	2,781	2,763
	2020	*3,392	2,864	2,881
Ukraine	2017	43,566	3,584	3,050
	2018	*19,600	3,890	4,008
	2019	*19,600	3,707	*2,843
	2020	*19,600	4,103	*2,693
United Kingdom	2017	*62,300	60,270	59,805
	2018	*62,300	58,715	58,205
	2019	*62,300	58,949	58,726
	2020	*62,300	48,245	47,876
Latin America & Carib.	2017	406,495	268,192	260,409
	2018	407,855	246,550	242,275
	2019	409,172	233,665	225,044
	2020	406,419	210,373	205,463
Argentina	2017	31,621	25,559	25,741
	2018	31,621	24,082	24,053
	2019	31,621	24,379	24,127
	2020	31,621	21,434	22,811
Aruba	2017	*11,463	..	..
	2018	*11,463	..	..
	2019	*11,463	..	..
	2020	*11,463	..	..
Bolivia (Plur. State of)	2017	3,394	2,685	2,439
	2018	3,394	2,551	2,326
	2019	3,394	2,223	2,020
	2020	3,341	2,089	1,964
Brazil	2017	123,309	93,719	93,083
	2018	123,122	90,953	91,463
	2019	123,396	91,799	91,193
	2020	123,309	96,861	94,945
Chile	2017	11,471	9,934	9,648
	2018	*11,471	10,307	9,727
	2019	11,521	10,978	10,245
	2020	11,521	8,478	8,507
Colombia	2017	20,948	18,861	17,180
	2018	21,220	19,923	19,408
	2019	21,496	19,840	19,254
	2020	18,883	18,099	15,588
Cuba	2017	6,135	*2,763	2,632
	2018	6,135	*2,888	2,751
	2019	*6,135	*1,883	1,789
	2020	*6,135	*2,300	2,185
Curaçao	2017	16,708	4,598	4,295
	2018	*16,708	3,433	3,060
	2019	*16,708	0	0
	2020	*16,708	..	..
Dominican Republic	2017	1,721	955	899
	2018	1,721	1,279	1,208
	2019	2,486	1,283	1,156
	2020	2,486	498	462

Table 16

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
Ecuador	2017	8,786	8,359	7,751
	2018	8,865	8,571	8,136
	2019	8,865	7,794	7,158
	2020	8,865	6,410	5,949
Guatemala	2017	247	88	85
	2018	*249	*151	147
	2019	*250	*210	203
	2020	*250	*165	175
Jamaica	2017	1,796	1,115	1,048
	2018	1,796	1,035	1,032
	2019	1,747	1,240	1,240
	2020	1,747	1,007	1,099
Mexico	2017	81,147	45,496	44,357
	2018	81,796	34,035	33,417
	2019	81,796	33,668	32,418
	2020	81,796	33,103	32,316
Nicaragua	2017	998	701	692
	2018	998	*678	639
	2019	*998	547	518
	2020	*998	546	516
Paraguay	2017	370	..	..
	2018	370	..	..
	2019	370	..	..
	2020	370	..	..
Peru	2017	9,923	9,595	8,370
	2018	10,468	9,285	8,012
	2019	10,468	8,869	7,581
	2020	10,468	4,686	4,660
Suriname	2017	748	737	685
	2018	748	725	671
	2019	748	690	637
	2020	748	656	618
Trinidad and Tobago	2017	8,379	6,740	6,387
	2018	*8,379	5,373	5,032
	2019	*8,379	..	..
	2020	*8,379	..	..
Uruguay	2017	2,494	585	557
	2018	2,494	2,165	2,073
	2019	2,494	2,054	1,991
	2020	2,494	1,897	1,845
Venezuela (Bolivar. Rep.)	2017	64,838	35,702	34,559
	2018	64,838	29,117	29,120
	2019	64,838	26,208	23,514
	2020	64,838	12,143	11,823
Northern America	2017	1,021,277	957,068	930,594
	2018	1,022,948	972,174	945,712
	2019	1,035,189	970,178	940,999
	2020	1,029,476	838,714	812,272
Canada	2017	95,342	97,848	92,827
	2018	95,342	95,716	89,859
	2019	97,134	113,743	108,474
	2020	98,703	102,061	97,925

Refinery distillation capacity, throughput and output

Thousand metric tons

Country or area	Year	Capacity	Throughput	Output
United States	2017	925,935	859,220	837,767
	2018	927,606	876,458	855,853
	2019	938,055	856,434	832,525
	2020	930,773	736,653	714,347
Oceania	2017	30,658	29,552	27,855
	2018	30,683	30,857	28,567
	2019	31,017	31,276	30,802
	2020	32,045	27,603	27,207
Australia	2017	22,329	22,604	21,135
	2018	22,354	24,065	22,070
	2019	22,688	24,000	23,680
	2020	23,711	21,495	21,217
New Zealand	2017	6,733	5,527	5,343
	2018	6,733	5,532	5,330
	2019	6,733	5,956	6,053
	2020	6,738	4,637	4,637
Papua New Guinea	2017	*1,596	1,421	1,378
	2018	*1,596	1,260	1,167
	2019	*1,596	1,320	1,069
	2020	*1,596	1,472	1,352

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, 1990-2020

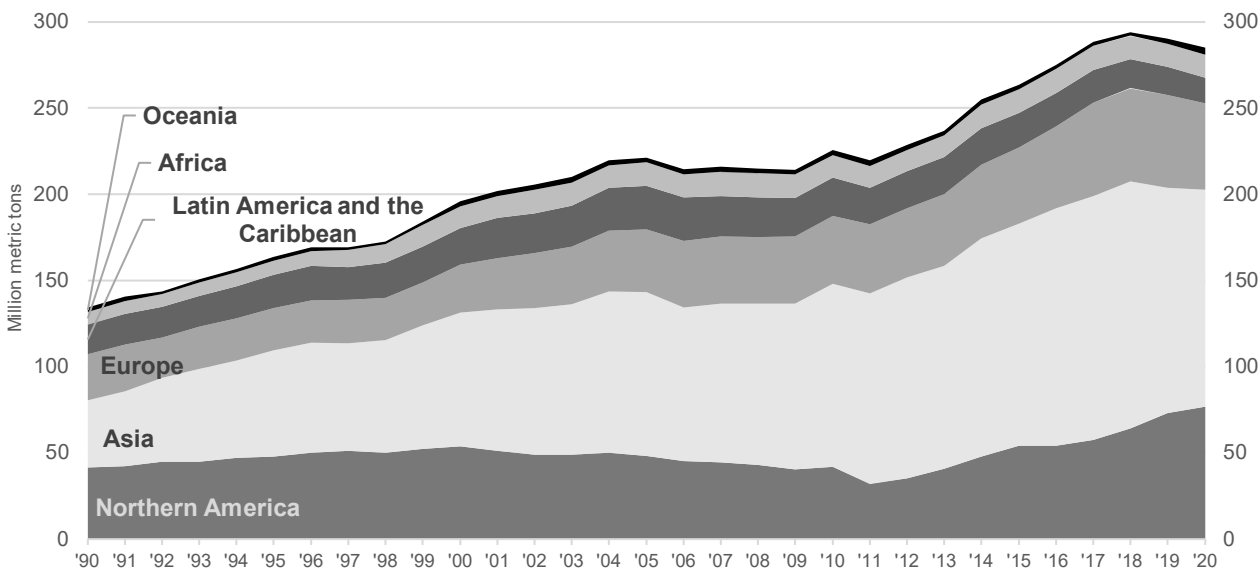


Figure 46: Major LPG producing countries, 2020

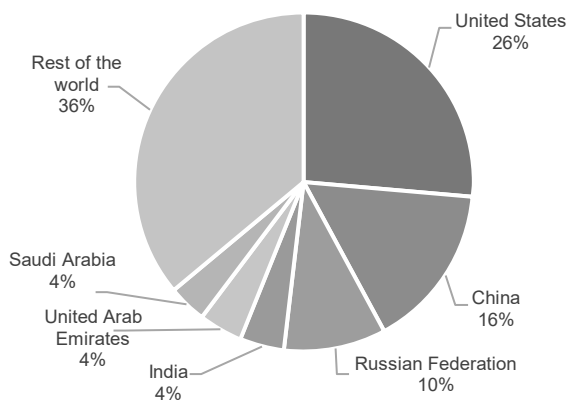


Figure 47: Major LPG consuming countries, 2020

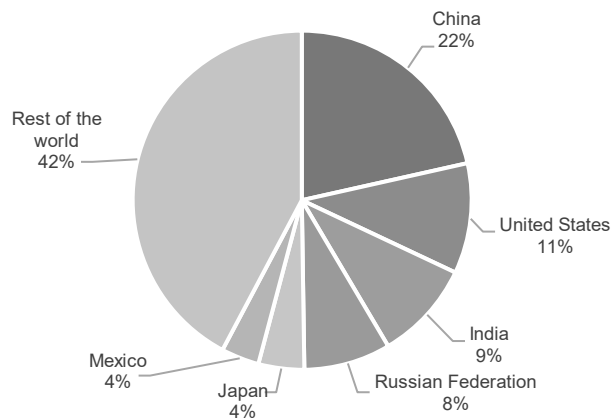


Table 17

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	2017	288,304	116,756	105,842	93	299,125	39
	2018	294,183	121,629	110,667	39	305,106	40
	2019	290,117	128,073	112,268	1,744	304,177	39
	2020	284,901	126,729	115,623	-1,189	297,197	38
Africa	2017	14,098	7,542	8,705	71	12,865	10
	2018	13,568	7,971	8,360	-207	13,386	10
	2019	13,457	8,288	7,298	485	13,962	11
	2020	13,499	8,008	7,524	-369	14,353	11
Algeria	2017	9,155	..	6,932	24	2,199	53
	2018	8,972	..	6,617	27	2,328	56
	2019	8,917	..	6,260	-17	2,674	63
	2020	8,413	..	5,574	-28	2,868	66
Angola	2017	968	327	957	*12	326	11
	2018	839	336	1,045	*-227	357	11
	2019	1,085	429	353	*837	324	10
	2020	1,497	0	1,281	-291	507	15
Benin	2017	..	17	..	0	17	1
	2018	..	22	..	0	21	2
	2019	..	27	..	-1	27	2
	2020	..	20	..	-9	29	2
Botswana	2017	..	11	..	..	11	5
	2018	..	12	..	..	12	5
	2019	..	12	..	..	12	5
	2020	..	11	..	..	11	4
Burkina Faso	2017	..	85	..	*6	79	4
	2018	..	100	..	*11	89	4
	2019	..	100	..	0	100	5
	2020	..	122	..	*7	115	5
Burundi	2017	..	0	..	..	0	0
	2018	..	0	..	..	0	0
	2019	..	0	..	..	0	0
	2020	..	1	..	..	1	0
Cabo Verde	2017	..	*13	..	..	*13	*23
	2018	..	14	..	..	14	24
	2019	..	*14	..	..	*14	*24
	2020	..	*13	..	..	*13	*21
Cameroon	2017	11	93	..	..	103	4
	2018	26	94	..	..	120	5
	2019	30	88	..	..	118	5
	2020	25	95	..	..	120	5
Central African Rep.	2017	..	2	..	..	2	0
	2018	..	2	..	..	2	0
	2019	..	2	..	..	2	0
	2020	..	*2	..	..	*2	0
Chad	2017	*28	0	..	..	*28	*2
	2018	*32	*6	..	..	*38	*2
	2019	*35	..	..	..	*35	*2
	2020	*36	..	..	..	*36	*2
Comoros	2017	..	*1	..	..	*1	*1
	2018	..	*1	..	..	*1	*2
	2019	..	*1	..	..	*1	*2
	2020	..	*2	..	..	*2	*2

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
Congo	2017	8	..	..	..	8	2
	2018	8	..	..	..	8	2
	2019	8	..	..	..	8	1
	2020	8	..	..	..	8	1
Côte d'Ivoire	2017	*16	*297	1	..	*312	*13
	2018	23	341	1	..	363	14
	2019	28	385	20	..	393	15
	2020	28	419	75	..	372	14
Djibouti	2017	..	*15	..	..	*15	*14
	2018	..	*15	..	..	*15	*14
	2019	..	*15	..	..	*15	*14
	2020	..	13	..	..	13	11
Egypt	2017	1,763	2,444	..	35	4,172	41
	2018	1,890	2,327	..	0	4,217	41
	2019	1,764	2,229	..	..	3,993	38
	2020	1,844	1,946	..	..	3,790	35
Equatorial Guinea	2017	660	..	656	-17	22	15
	2018	587	..	574	*-10	23	15
	2019	512	..	495	*-5	22	14
	2020	464	..	492	-50	22	14
Eritrea	2017	..	5	..	0	5	2
	2018	..	6	..	..	6	2
	2019	..	6	..	..	6	2
	2020	..	6	..	..	6	2
Eswatini	2017	..	0	..	..	0	0
	2018	..	4	..	..	4	3
	2019	..	4	..	..	4	3
	2020	..	*4	..	..	*4	*3
Ethiopia	2017	..	5	..	..	5	0
	2018	..	5	..	..	5	0
	2019	..	7	..	..	7	0
	2020	..	8	..	..	8	0
Gabon	2017	41	36	..	..	77	36
	2018	5	72	..	..	77	35
	2019	5	74	..	..	79	35
	2020	10	48	..	..	58	25
Gambia	2017	..	*2	..	..	*2	*1
	2018	..	*2	..	..	*2	*1
	2019	..	*2	..	..	*2	*1
	2020	..	*2	..	..	*2	*1
Ghana	2017	114	202	40	..	276	9
	2018	88	315	5	..	398	13
	2019	70	275	1	-4	348	11
	2020	85	262	3	3	341	11
Guinea-Bissau	2017	..	*3	..	..	*3	*2
	2018	..	*3	..	..	*3	*2
	2019	..	*3	..	..	*3	*2
	2020	..	*3	..	..	*3	*2
Kenya	2017	0	190	1	0	189	4
	2018	..	222	..	..	222	4
	2019	..	304	3	..	301	6
	2020	..	321	1	..	320	6

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
Lesotho	2017	..	9	..	..	9	4
	2018	..	10	..	..	10	5
	2019	..	14	..	..	14	6
	2020	..	14	..	..	14	6
Liberia	2017	..	2	..	..	2	0
	2018	..	*2	..	..	*2	0
	2019	..	*2	..	..	*2	0
	2020	..	*2	..	..	*2	0
Libya	2017	320	..	43	..	278	44
	2018	327	..	46	..	281	43
	2019	319	..	38	..	281	43
	2020	300	..	15	..	284	43
Madagascar	2017	..	12	..	-2	13	1
	2018	..	14	0	0	14	1
	2019	..	17	0	2	15	1
	2020	..	*12	0	*2	*10	0
Malawi	2017	..	*3	..	..	*3	0
	2018	..	*3	..	..	*3	0
	2019	..	*3	..	..	*3	0
	2020	..	*3	..	..	*3	0
Mali	2017	..	*14	..	*-1	*14	*1
	2018	..	*13	..	0	*14	*1
	2019	..	14	..	..	14	1
	2020	..	17	..	..	17	1
Mauritania	2017	..	61	..	*-2	64	15
	2018	..	58	..	*-3	61	14
	2019	..	85	..	*32	53	12
	2020	..	70	..	*12	59	13
Mauritius	2017	..	149	..	74	75	58
	2018	..	169	..	91	78	60
	2019	..	175	62	29	84	65
	2020	..	68	..	-8	76	59
Morocco	2017	..	2,493	..	-59	2,552	71
	2018	..	2,592	..	-13	2,605	71
	2019	..	2,729	..	-27	2,756	75
	2020	..	2,821	..	-10	2,831	76
Mozambique	2017	..	33	..	..	33	1
	2018	..	32	..	..	32	1
	2019	..	37	..	..	37	1
	2020	..	28	..	..	28	1
Namibia	2017	..	37	..	..	37	16
	2018	..	55	..	..	55	23
	2019	..	49	..	..	49	20
	2020	..	20	..	..	20	8
Niger	2017	47	0	*15	0	32	1
	2018	53	1	16	..	38	2
	2019	60	0	..	..	61	3
	2020	57	4	..	..	61	2
Nigeria	2017	79	..	..	..	79	0
	2018	48	57	..	-81	187	1
	2019	3	..	..	-362	365	2
	2020	136	564	..	5	695	3

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
Rwanda	2017	..	13	..	..	13	1
	2018	..	19	..	..	19	2
	2019	..	25	..	..	25	2
	2020	..	33	..	..	33	3
Sao Tome and Principe	2017	..	0	..	..	0	0
	2018	..	0	..	..	0	*1
	2019	..	0	..	..	0	*1
	2020	..	0	..	..	0	*1
Senegal	2017	3	151	..	0	154	10
	2018	3	138	..	0	141	9
	2019	3	176	7	0	172	11
	2020	3	188	7	-1	185	11
Seychelles	2017	..	5	..	..	5	49
	2018	..	4	..	..	4	35
	2019	..	4	..	..	4	38
	2020	..	*4	..	..	*4	*38
Somalia	2017	..	*6	..	..	*6	0
	2018	..	*6	..	..	*6	0
	2019	..	*6	..	..	*6	0
	2020	..	*6	..	..	*6	0
South Africa	2017	405	105	60	..	450	8
	2018	246	114	56	..	304	5
	2019	221	86	60	..	247	4
	2020	199	100	76	..	224	4
South Sudan	2017	..	3	..	..	3	0
	2018	..	3	..	..	3	0
	2019	..	3	..	..	3	0
	2020	..	3	..	..	3	0
Sudan	2017	329	115	..	..	444	11
	2018	277	161	..	..	439	10
	2019	*281	207	..	..	*488	*11
	2020	*277	82	..	..	*359	*8
Togo	2017	..	12	..	..	12	2
	2018	..	12	..	-1	13	2
	2019	..	14	..	-1	15	2
	2020	..	15	..	-1	16	2
Tunisia	2017	142	420	..	0	562	48
	2018	136	443	..	..	579	49
	2019	105	495	..	1	599	50
	2020	113	472	..	-1	586	48
Uganda	2017	..	8	..	..	8	0
	2018	..	10	..	..	10	0
	2019	..	10	..	..	10	0
	2020	..	13	..	..	13	0
United Rep. of Tanzania	2017	..	121	..	..	121	2
	2018	..	128	..	..	128	2
	2019	..	128	..	..	128	2
	2020	..	132	..	..	132	2
Zambia	2017	9	1	..	..	10	1
	2018	9	1	..	..	10	1
	2019	11	1	..	..	12	1
	2020	5	3	..	..	8	0

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
Zimbabwe	2017	..	22	..	..	22	1
	2018	..	27	..	..	27	2
	2019	..	28	..	..	28	2
	2020	..	37	..	..	37	2
Asia	2017	141,447	66,998	41,633	-125	166,938	37
	2018	143,615	70,043	42,886	60	170,713	37
	2019	130,872	74,597	39,787	190	165,492	36
	2020	125,751	74,917	37,060	19	163,589	35
Afghanistan	2017	..	627	..	..	627	18
	2018	..	614	..	..	614	17
	2019	..	675	..	..	675	18
	2020	..	680	..	..	680	17
Armenia	2017	..	6	..	..	6	2
	2018	..	16	..	..	16	6
	2019	..	30	..	..	30	11
	2020	..	52	..	..	52	18
Azerbaijan	2017	212	..	82	-3	133	13
	2018	216	..	82	1	132	13
	2019	210	1	53	-10	168	16
	2020	201	16	40	-4	182	18
Bahrain	2017	149	..	66	14	69	47
	2018	166	..	66	29	71	48
	2019	136	..	62	2	72	48
	2020	124	..	45	10	69	47
Bangladesh	2017	18	..	..	..	18	0
	2018	15	..	..	..	15	0
	2019	19	..	..	..	19	0
	2020	15	..	..	..	15	0
Bhutan	2017	..	8	..	..	8	11
	2018	..	4	..	..	4	6
	2019	..	9	..	..	9	12
	2020	..	8	..	..	8	11
Brunei Darussalam	2017	17	..	..	..	17	40
	2018	17	..	..	..	17	39
	2019	93	..	48	28	17	38
	2020	619	..	503	98	18	40
Cambodia	2017	..	225	..	..	225	14
	2018	..	270	..	..	270	17
	2019	..	341	..	..	341	21
	2020	..	322	..	..	322	20
China	2017	36,625	19,219	1,322	-59	54,581	39
	2018	39,156	19,664	1,135	351	57,334	40
	2019	42,100	21,093	1,409	178	61,606	43
	2020	44,890	20,046	949	177	63,811	45
China, Hong Kong SAR	2017	..	378	..	41	337	45
	2018	..	373	..	34	339	45
	2019	..	347	..	-31	378	50
	2020	..	302	..	-19	321	43
China, Macao SAR	2017	..	42	..	0	42	65
	2018	..	41	..	0	41	63
	2019	..	40	..	1	39	59
	2020	..	34	..	0	34	50

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
Cyprus	2017	..	55	..	1	54	45
	2018	..	54	..	0	54	44
	2019	..	62	..	0	62	50
	2020	..	54	..	1	53	43
Georgia	2017	..	15	..	-1	17	4
	2018	..	21	..	-1	21	6
	2019	..	28	0	0	28	7
	2020	..	29	..	0	29	8
India	2017	12,380	11,382	359	..	23,403	17
	2018	*12,786	13,235	417	..	25,604	19
	2019	12,823	14,809	463	..	27,169	20
	2020	12,072	16,476	452	..	28,096	20
Indonesia	2017	2,033	5,475	93	-41	7,456	28
	2018	2,034	5,517	1	1	7,549	28
	2019	2,001	5,715	0	-1	7,716	29
	2020	1,874	6,106	0	-1	7,980	29
Iran (Islamic Rep. of)	2017	4,843	..	2,555	0	2,289	27
	2018	4,776	..	2,573	..	2,203	26
	2019	4,991	..	2,691	..	2,300	27
	2020	4,780	..	2,654	..	2,126	24
Iraq	2017	1,622	0	..	-29	1,651	42
	2018	1,792	..	206	..	1,585	39
	2019	1,780	..	163	..	1,618	39
	2020	1,776	..	166	..	1,610	38
Israel	2017	362	308	186	6	478	58
	2018	422	202	164	1	458	54
	2019	425	218	137	-4	510	59
	2020	374	219	144	2	446	51
Japan	2017	4,416	10,740	86	-38	15,108	119
	2018	3,755	10,608	66	-84	14,381	114
	2019	3,401	10,440	55	142	13,644	108
	2020	2,846	10,099	56	-45	12,934	103
Jordan	2017	78	368	..	15	431	42
	2018	65	357	..	-6	428	41
	2019	68	432	..	22	478	45
	2020	54	409	..	..	463	42
Kazakhstan	2017	2,315	1	2,031	..	285	16
	2018	2,488	0	1,826	..	662	36
	2019	2,587	1	1,866	38	684	36
	2020	2,618	0	1,907	26	685	36
Korea, Republic of	2017	2,773	6,363	210	169	8,757	170
	2018	2,922	6,515	430	-203	9,210	178
	2019	2,882	7,872	477	64	10,213	197
	2020	2,476	8,349	491	82	10,252	198
Kuwait	2017	6,877	..	4,778	..	2,100	509
	2018	7,042	..	5,013	..	2,029	470
	2019	6,036	..	4,731	..	1,305	294
	2020	6,402	..	4,557	..	1,845	423
Kyrgyzstan	2017	44	45	..	..	89	15
	2018	55	36	1	4	86	14
	2019	15	37	1	1	50	8
	2020	7	44	..	12	39	6

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
Lao People's Dem. Rep.	2017	..	13	..	..	13	2
	2018	..	14	..	..	14	2
	2019	..	*14	..	..	*14	*2
	2020	..	*14	..	..	*14	*2
Lebanon	2017	..	235	..	..	235	38
	2018	..	229	..	..	229	38
	2019	..	219	..	..	219	38
	2020	..	*209	..	..	*209	*37
Malaysia	2017	2,602	405	191	-19	2,835	89
	2018	2,732	491	419	-102	2,906	90
	2019	2,620	419	297	*-128	2,870	87
	2020	2,385	499	478	*-251	2,656	80
Maldives	2017	..	14	..	..	14	31
	2018	..	15	..	..	15	31
	2019	..	17	..	..	17	33
	2020	..	13	..	..	13	25
Myanmar	2017	8	39	..	-3	50	1
	2018	13	71	..	-1	84	2
	2019	13	18	..	..	31	1
	2020	7	71	..	..	78	1
Nepal	2017	..	371	..	..	371	13
	2018	..	430	..	..	430	15
	2019	..	449	..	..	449	16
	2020	..	478	..	..	478	16
Oman	2017	655	..	464	..	191	42
	2018	765	..	560	..	205	44
	2019	776	..	556	..	220	48
	2020	667	..	474	..	193	42
Other Asia	2017	1,018	1,260	26	-31	2,283	96
	2018	1,131	1,742	80	50	2,743	116
	2019	1,050	1,746	33	-31	2,793	117
	2020	771	1,474	28	0	2,217	93
Pakistan	2017	*963	495	..	..	*1,458	*7
	2018	*774	478	..	..	*1,252	*6
	2019	*1,041	675	..	..	*1,716	*8
	2020	744	345	..	..	1,089	5
Philippines	2017	446	1,194	6	13	1,621	15
	2018	509	1,307	1	9	1,806	17
	2019	286	1,370	5	-4	1,655	15
	2020	152	1,469	0	-1	1,621	14
Qatar	2017	10,019	..	9,030	..	989	365
	2018	10,814	..	9,824	..	990	358
	2019	8,305	..	7,310	..	995	354
	2020	7,285	..	6,257	..	1,029	373
Saudi Arabia	2017	28,804	..	8,595	-12	20,222	591
	2018	26,729	..	9,180	..	17,549	501
	2019	*14,130	..	8,802	*-5	*5,333	*149
	2020	*10,367	..	7,432	15	*2,920	*81
Singapore	2017	224	218	317	..	125	22
	2018	833	400	242	..	991	170
	2019	873	570	181	..	1,262	215
	2020	742	227	206	..	763	129

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
Sri Lanka	2017	19	205	..	-187	412	19
	2018	22	413	..	-9	444	21
	2019	27	430	..	0	457	21
	2020	25	437	..	-11	473	22
State of Palestine	2017	..	190	..	..	190	40
	2018	..	167	..	..	167	35
	2019	..	178	..	..	178	36
	2020	..	204	..	..	204	41
Syrian Arab Republic	2017	143	256	..	..	400	21
	2018	161	342	..	..	503	26
	2019	159	276	..	..	434	22
	2020	162	236	..	..	398	19
Tajikistan	2017	..	353	..	..	353	40
	2018	..	381	..	..	381	42
	2019	..	431	..	..	431	46
	2020	..	421	..	..	421	44
Thailand	2017	6,056	642	247	..	6,451	91
	2018	6,247	682	385	..	6,544	92
	2019	5,980	550	299	..	6,231	87
	2020	5,366	557	243	..	5,681	79
Timor-Leste	2017	..	1	..	..	1	1
	2018	..	1	..	..	1	1
	2019	..	1	..	..	1	1
	2020	..	1	..	..	1	1
Türkiye	2017	1,015	3,387	269	41	4,092	50
	2018	913	3,312	110	-14	4,129	50
	2019	1,082	3,108	101	-73	4,162	50
	2020	971	3,005	118	-70	3,927	47
Turkmenistan	2017	1,021	..	..	..	1,021	171
	2018	1,026	..	..	..	1,026	169
	2019	1,114	..	..	..	1,114	181
	2020	1,079	..	..	..	1,079	173
United Arab Emirates	2017	11,841	..	10,448	..	1,393	154
	2018	10,716	..	9,833	..	883	97
	2019	11,691	26	9,774	..	1,942	211
	2020	11,961	26	9,621	..	2,366	255
Uzbekistan	2017	830	..	..	-2	832	26
	2018	819	..	..	-1	819	25
	2019	830	..	..	-1	831	25
	2020	750	..	..	-1	752	22
Viet Nam	2017	761	2,158	272	..	2,647	28
	2018	1,369	1,810	272	..	2,907	31
	2019	887	1,810	272	..	2,425	25
	2020	782	1,810	240	..	2,352	24
Yemen	2017	256	*303	..	..	*559	*19
	2018	338	*232	..	..	570	19
	2019	443	*140	..	..	583	18
	2020	409	*179	..	..	588	18
Europe	2017	54,219	23,440	20,578	207	56,874	76
	2018	54,023	24,651	20,548	42	58,083	78
	2019	54,026	24,499	19,372	-334	59,487	79
	2020	50,183	22,472	16,742	-142	56,055	75

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
Albania	2017	..	252	0	90	162	56
	2018	..	196	..	25	171	60
	2019	..	173	..	2	171	60
	2020	..	167	..	3	164	57
Andorra	2017	..	*2	..	..	*2	*30
	2018	..	*2	..	..	*2	*31
	2019	..	*2	..	..	*2	*31
	2020	..	*2	..	..	*2	*24
Austria	2017	102	62	62	-3	104	12
	2018	111	62	86	-1	89	10
	2019	137	61	89	9	99	11
	2020	117	64	92	5	85	9
Belarus	2017	481	251	591	-4	145	15
	2018	562	177	601	-1	139	14
	2019	390	90	344	2	134	14
	2020	399	18	281	1	135	14
Belgium	2017	738	1,671	845	-13	1,578	139
	2018	829	2,128	672	9	2,275	199
	2019	1,069	2,109	696	9	2,474	215
	2020	1,036	2,090	763	8	2,356	204
Bosnia and Herzegovina	2017	24	76	..	..	100	29
	2018	19	72	..	..	91	27
	2019	1	80	..	-1	82	24
	2020	..	90	..	-1	91	27
Bulgaria	2017	120	407	20	5	501	70
	2018	97	410	29	-2	479	67
	2019	131	367	44	-1	455	65
	2020	77	382	30	0	430	62
Croatia	2017	283	47	188	-1	143	34
	2018	254	41	159	-3	138	33
	2019	196	75	135	1	134	32
	2020	184	66	137	-2	115	28
Czechia	2017	358	172	90	-1	441	42
	2018	356	231	134	..	453	43
	2019	400	210	145	..	465	44
	2020	312	184	125	-2	373	35
Denmark	2017	118	35	85	3	65	11
	2018	126	21	87	0	59	10
	2019	127	17	84	-1	61	11
	2020	113	12	66	3	57	10
Estonia	2017	..	40	14	1	25	19
	2018	..	25	5	..	20	15
	2019	..	41	11	2	28	21
	2020	..	22	1	-4	25	18
Finland	2017	285	707	..	103	889	161
	2018	254	785	5	-53	1,087	197
	2019	289	824	23	-7	1,097	199
	2020	245	838	10	54	1,019	184
France	2017	1,618	3,315	1,225	15	3,693	56
	2018	1,421	3,148	1,056	10	3,503	53
	2019	1,357	3,326	902	-14	3,795	57
	2020	886	3,015	878	-2	3,025	45

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
Germany	2017	3,419	944	201	1	4,161	50
	2018	3,224	1,080	161	13	4,130	50
	2019	3,232	1,224	252	2	4,202	51
	2020	2,885	1,265	241	13	3,896	47
Greece	2017	837	43	309	-3	574	54
	2018	847	31	329	1	549	52
	2019	802	73	284	-3	593	56
	2020	780	62	324	6	513	49
Hungary	2017	188	461	96	6	547	56
	2018	185	446	87	-2	546	56
	2019	153	479	93	-4	543	56
	2020	144	453	84	-2	515	53
Iceland	2017	..	2	..	0	2	7
	2018	..	3	..	0	3	8
	2019	..	3	..	0	3	9
	2020	..	3	..	0	3	7
Ireland	2017	49	128	23	1	153	32
	2018	58	140	31	-1	167	35
	2019	45	139	21	-3	166	34
	2020	52	128	21	-7	166	34
Italy	2017	1,348	2,361	305	-44	3,448	57
	2018	1,228	2,264	227	-36	3,301	55
	2019	1,269	2,422	244	41	3,407	57
	2020	1,290	2,057	263	-324	3,409	57
Kosovo	2017	..	33	..	..	33	19
	2018	..	31	..	..	31	18
	2019	..	30	..	..	30	18
	2020	..	32	..	..	32	19
Latvia	2017	..	239	145	2	93	47
	2018	..	227	142	0	85	44
	2019	..	177	101	1	75	39
	2020	..	144	71	1	72	38
Lithuania	2017	363	82	242	-2	204	70
	2018	342	82	237	0	187	65
	2019	399	77	285	2	188	66
	2020	333	52	221	0	165	58
Luxembourg	2017	..	10	1	0	9	15
	2018	..	8	0	..	8	13
	2019	..	10	0	..	9	15
	2020	..	7	0	..	7	12
Malta	2017	..	23	..	-3	26	54
	2018	..	27	..	2	25	52
	2019	..	25	..	-1	27	53
	2020	..	25	..	1	24	46
Montenegro	2017	..	19	..	2	17	27
	2018	..	20	..	2	18	29
	2019	..	21	..	3	18	28
	2020	..	13	..	-5	17	27
Netherlands	2017	1,557	3,217	2,056	-21	2,739	159
	2018	1,481	3,953	2,167	29	3,238	187
	2019	1,562	3,308	2,099	-52	2,823	163
	2020	1,307	3,334	1,868	22	2,751	158

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
North Macedonia	2017	0	79	2	1	77	36
	2018	..	80	2	1	78	37
	2019	..	81	2	-1	81	38
	2020	..	67	2	0	66	31
Norway	2017	7,380	206	6,459	22	1,105	209
	2018	6,902	283	6,353	35	797	150
	2019	6,394	228	5,913	-28	737	138
	2020	6,237	216	5,752	-33	734	136
Poland	2017	545	2,488	448	-2	2,588	67
	2018	605	2,562	545	3	2,619	68
	2019	630	2,613	479	-1	2,765	72
	2020	657	2,145	355	-4	2,451	64
Portugal	2017	214	595	32	-5	781	76
	2018	205	547	63	-8	697	68
	2019	165	752	82	-27	862	84
	2020	162	759	34	15	872	85
Republic of Moldova	2017	..	72	0	0	72	23
	2018	..	72	0	1	71	23
	2019	..	66	..	..	66	21
	2020	..	63	..	-1	63	21
Romania	2017	617	233	312	5	532	27
	2018	624	226	324	2	524	27
	2019	625	186	312	-6	504	26
	2020	514	212	296	-4	435	22
Russian Federation	2017	27,605	143	4,461	81	23,206	160
	2018	28,730	99	4,945	-5	23,890	164
	2019	29,077	122	4,443	-188	24,945	171
	2020	27,624	116	3,110	..	24,630	169
Serbia	2017	127	144	54	-6	224	30
	2018	83	120	51	4	148	20
	2019	94	105	32	-1	167	23
	2020	100	82	50	1	131	18
Slovakia	2017	177	54	65	-1	167	31
	2018	180	67	82	1	164	30
	2019	164	48	63	3	146	27
	2020	137	94	64	-1	168	31
Slovenia	2017	..	88	..	2	86	41
	2018	..	94	..	1	93	44
	2019	..	103	7	2	94	45
	2020	..	88	5	1	82	39
Spain	2017	1,401	1,296	563	-90	2,224	48
	2018	1,311	1,366	474	55	2,148	46
	2019	1,167	1,242	553	-15	1,871	40
	2020	920	997	446	-12	1,483	31
Sweden	2017	421	1,215	619	4	1,013	101
	2018	499	1,121	575	-8	1,053	104
	2019	446	1,233	690	-14	1,003	98
	2020	401	1,110	674	116	722	70
Switzerland	2017	107	70	14	0	163	19
	2018	133	63	21	0	175	21
	2019	108	81	20	0	169	20
	2020	97	69	10	0	156	18

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
Ukraine	2017	411	1,119	..	43	1,487	33
	2018	397	1,317	24	-17	1,707	38
	2019	409	1,466	59	-35	1,851	42
	2020	305	1,562	3	-3	1,867	43
United Kingdom	2017	3,326	1,037	1,050	18	3,295	50
	2018	2,962	1,024	872	-11	3,125	47
	2019	3,188	813	865	-8	3,144	47
	2020	2,868	368	466	17	2,753	41
Latin America & Carib.	2017	18,940	12,987	2,077	328	29,522	47
	2018	16,972	12,832	2,496	64	27,243	43
	2019	16,127	14,343	2,432	-94	28,132	44
	2020	15,055	16,322	2,216	37	29,123	45
Anguilla	2017	..	4	..	*-5	*9	*573
	2018	..	5	..	*-4	9	573
	2019	..	8	..	*-1	9	572
	2020	..	6	..	*-3	8	520
Antigua and Barbuda	2017	..	*4	..	..	*4	*40
	2018	..	*4	..	..	*4	*40
	2019	..	*4	..	..	*4	*40
	2020	..	*4	..	..	*4	*39
Argentina	2017	2,577	..	891	35	1,651	37
	2018	2,668	..	1,133	-22	1,557	35
	2019	2,768	..	1,224	6	1,538	34
	2020	2,416	..	1,030	-4	1,390	31
Aruba	2017	..	*11	..	..	*11	*104
	2018	..	*11	..	..	*11	*105
	2019	..	*11	..	..	*11	*105
	2020	..	*11	..	..	*11	*107
Bahamas	2017	..	14	..	..	14	36
	2018	..	19	..	..	19	47
	2019	..	18	..	..	18	45
	2020	..	12	..	..	12	29
Barbados	2017	..	8	..	0	8	28
	2018	..	8	..	0	8	28
	2019	..	8	..	0	8	28
	2020	..	8	..	0	8	28
Belize	2017	1	25	..	..	26	71
	2018	1	27	..	..	28	73
	2019	1	26	..	..	27	70
	2020	1	26	..	..	27	68
Bolivia (Plur. State of)	2017	536	..	111	0	425	37
	2018	553	..	102	0	451	39
	2019	580	..	126	0	453	38
	2020	540	..	102	0	439	37
Bonaire, St Eustatius, Saba	2017	..	*1	..	..	*1	*49
	2018	..	*1	..	..	*1	*48
	2019	..	*1	..	..	*1	*50
	2020	..	*1	..	..	*1	*46
Brazil	2017	5,492	1,777	1	59	7,209	35
	2018	5,350	1,881	0	84	7,147	34
	2019	5,214	1,918	0	-17	7,149	34
	2020	5,264	1,973	0	-13	7,250	34

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
Cayman Islands	2017	..	5	..	..	5	79
	2018	..	4	..	..	4	63
	2019	..	8	..	..	8	126
	2020	..	4	..	..	4	61
Chile	2017	286	1,047	72	-6	1,268	69
	2018	434	1,072	114	44	1,349	72
	2019	543	1,000	131	54	1,358	71
	2020	461	1,129	231	-12	1,371	71
Colombia	2017	981	69	39	..	1,012	21
	2018	613	91	0	..	703	14
	2019	650	108	0	..	758	15
	2020	749	9	..	..	758	15
Costa Rica	2017	..	173	..	4	169	34
	2018	..	167	..	-4	171	34
	2019	..	186	..	4	181	36
	2020	..	172	..	-2	173	34
Cuba	2017	51	115	..	..	167	15
	2018	30	135	..	..	165	15
	2019	22	119	..	..	141	12
	2020	39	112	..	..	151	13
Curaçao	2017	59	..	20	..	39	229
	2018	44	..	15	..	29	159
	2019	0	..	0	..	0	0
	2020	..	..	..	..	..	..
Dominica	2017	..	*3	..	..	*3	*41
	2018	..	*3	..	..	*3	*42
	2019	..	*3	..	..	*3	*42
	2020	..	*2	..	..	*2	*33
Dominican Republic	2017	11	977	..	-2	989	93
	2018	14	1,012	..	3	1,023	95
	2019	27	1,010	..	4	1,033	95
	2020	11	1,083	..	4	1,090	99
Ecuador	2017	267	849	..	1	1,116	67
	2018	245	957	..	0	1,202	71
	2019	179	1,043	..	-2	1,224	71
	2020	178	1,066	..	7	1,237	70
El Salvador	2017	..	179	..	..	179	29
	2018	..	312	..	..	312	50
	2019	..	444	..	..	444	71
	2020	..	470	..	..	470	75
Falkland Is. (Malvinas)	2017	..	0	..	..	0	30
	2018	..	0	..	..	0	28
	2019	..	0	..	..	0	29
	2020	..	0	..	..	0	28
Grenada	2017	..	4	..	..	4	35
	2018	..	4	..	..	4	36
	2019	..	5	..	..	5	44
	2020	..	5	..	..	5	38
Guatemala	2017	..	581	169	17	395	24
	2018	..	544	154	-21	411	24
	2019	..	576	120	24	431	25
	2020	..	601	127	38	437	25

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
Guyana	2017	..	16	..	-1	17	23
	2018	..	17	..	-2	19	24
	2019	..	20	..	0	20	25
	2020	..	20	..	-1	21	27
Haiti	2017	..	17	..	..	17	2
	2018	..	18	..	..	18	2
	2019	..	12	..	..	12	1
	2020	..	21	..	..	21	2
Honduras	2017	..	600	0	287	314	33
	2018	..	653	414	11	227	23
	2019	..	682	385	-19	316	32
	2020	..	651	343	-1	309	31
Jamaica	2017	13	87	..	1	99	35
	2018	11	85	..	1	95	34
	2019	7	60	..	0	67	24
	2020	9	79	..	1	88	31
Mexico	2017	4,311	5,587	178	-54	9,774	80
	2018	3,674	4,848	86	-35	8,471	68
	2019	3,269	6,132	21	24	9,356	75
	2020	3,045	7,865	25	-14	10,899	87
Montserrat	2017	..	1	..	0	1	128
	2018	..	0	..	..	0	83
	2019	..	0	..	..	0	73
	2020	..	0	..	..	0	96
Nicaragua	2017	20	105	..	0	125	19
	2018	17	108	..	..	125	19
	2019	21	103	..	1	123	18
	2020	16	118	..	-2	136	20
Panama	2017	..	288	0	-40	328	80
	2018	..	323	0	7	316	76
	2019	..	333	0	11	322	76
	2020	..	350	0	42	308	72
Paraguay	2017	..	84	..	3	81	13
	2018	..	90	..	4	87	13
	2019	..	92	..	4	88	13
	2020	..	87	..	..	87	13
Peru	2017	1,464	209	51	-132	1,754	55
	2018	1,410	356	6	-138	1,899	59
	2019	1,476	341	0	-186	2,003	61
	2020	1,318	352	41	-3	1,632	49
Sint Maarten (Dutch part)	2017	..	*2	..	..	*2	*45
	2018	..	*2	..	..	*2	*45
	2019	..	*2	..	..	*2	*44
	2020	..	*2	..	..	*2	*44
St. Kitts-Nevis	2017	..	*2	..	..	*2	*44
	2018	..	*2	..	..	*2	*46
	2019	..	*2	..	..	*2	*46
	2020	..	*2	..	..	*2	*44
St. Lucia	2017	..	9	..	..	9	52
	2018	..	8	..	..	8	47
	2019	..	7	..	..	7	40
	2020	..	*7	..	..	*7	*41

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. Vincent-Grenadines	2017	..	8	..	..	8	71
	2018	..	8	..	..	8	78
	2019	..	8	..	..	8	72
	2020	..	9	..	..	9	84
Suriname	2017	..	24	..	..	24	41
	2018	..	27	..	1	26	43
	2019	..	24	..	0	23	39
	2020	..	23	..	1	22	37
Trinidad and Tobago	2017	609	..	433	163	13	9
	2018	494	..	362	133	-2	-1
	2019	436	..	377	..	59	39
	2020	360	..	283	..	77	51
Turks and Caicos Islands	2017	..	*5	..	..	*5	*123
	2018	..	*5	..	..	*5	*121
	2019	..	*5	..	..	*5	*118
	2020	..	*5	..	..	*5	*113
Uruguay	2017	22	96	..	-3	121	35
	2018	106	24	..	2	128	37
	2019	102	25	1	-3	129	38
	2020	96	38	1	-1	134	39
Venezuela (Bolivar. Rep.)	2017	2,239	..	112	..	2,127	70
	2018	1,307	..	110	..	1,197	40
	2019	832	..	48	..	785	27
	2020	551	..	34	..	517	18
Northern America	2017	57,347	5,169	31,627	-353	31,243	85
	2018	63,863	5,601	35,137	8	34,319	93
	2019	72,859	5,832	41,764	1,522	35,405	95
	2020	76,687	4,540	49,280	-743	32,691	87
Bermuda	2017	..	4	..	..	4	69
	2018	..	16	..	..	16	244
	2019	..	14	..	..	14	217
	2020	..	*10	..	..	*10	*156
Canada	2017	1,524	249	144	33	1,596	44
	2018	1,362	200	120	-9	1,451	39
	2019	1,637	..	177	-22	1,481	39
	2020	1,406	..	139	3	1,264	33
Greenland	2017	..	0	..	..	0	1
	2018	..	0	..	..	0	1
	2019	..	0	..	..	0	1
	2020	..	0	..	..	0	1
United States	2017	55,823	4,916	31,483	-386	29,642	90
	2018	62,501	5,385	35,017	17	32,852	99
	2019	71,223	5,818	41,586	1,544	33,910	101
	2020	75,281	4,530	49,141	-746	31,417	94
Oceania	2017	2,252	620	1,222	-34	1,684	40
	2018	2,141	532	1,239	72	1,362	32
	2019	2,775	514	1,616	-25	1,699	39
	2020	3,727	469	2,801	9	1,386	32
Australia	2017	2,054	512	1,209	-37	1,394	57
	2018	1,940	425	1,234	71	1,060	42
	2019	2,589	409	1,616	-24	1,407	55
	2020	3,541	395	2,801	11	1,124	44

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
Fiji	2017	..	30	1	..	29	31
	2018	..	*35	*1	..	*34	*37
	2019	..	*32	..	..	*32	*35
	2020	..	*26	..	..	*26	*28
French Polynesia	2017	..	10	..	..	10	34
	2018	..	11	..	..	11	37
	2019	..	9	..	..	9	31
	2020	..	10	..	..	10	33
Kiribati	2017	..	0	..	..	0	1
	2018	..	0	..	..	0	*2
	2019	..	0	..	..	0	*2
	2020	..	0	..	..	0	*2
Marshall Islands	2017	..	0	..	..	0	*4
	2018	..	0	..	..	0	*4
	2019	..	0	..	..	0	*4
	2020	..	0	..	..	0	*5
Nauru	2017	..	0	..	..	0	*1
	2018	..	0	..	..	0	*1
	2019	..	0	..	..	0	*1
	2020	..	0	..	..	0	*1
New Caledonia	2017	..	37	..	2	35	124
	2018	..	31	..	..	31	109
	2019	..	20	..	-2	22	78
	2020	..	14	..	..	14	49
New Zealand	2017	181	14	12	..	183	39
	2018	184	12	4	1	191	40
	2019	172	24	..	0	195	39
	2020	169	8	..	-1	178	35
Niue	2017	..	0	..	..	0	*18
	2018	..	0	..	..	0	*19
	2019	..	0	..	..	0	*19
	2020	..	0	..	..	0	*18
Northern Mariana Islands	2017	..	*5	..	..	*5	*99
	2018	..	*5	..	..	*5	*99
	2019	..	*5	..	..	*5	*100
	2020	..	*5	..	..	*5	*101
Papua New Guinea	2017	17	*1	..	1	17	2
	2018	17	1	..	..	18	2
	2019	14	3	..	..	17	2
	2020	17	1	..	..	18	2
Samoa	2017	..	*6	..	0	*6	*29
	2018	..	*6	..	0	*6	*29
	2019	..	*6	..	0	*6	*29
	2020	..	*5	..	0	*5	*25
Tonga	2017	..	2	..	..	2	19
	2018	..	2	..	..	2	21
	2019	..	2	..	..	2	20
	2020	..	2	..	..	2	22
Tuvalu	2017	..	0	..	..	0	*12
	2018	..	0	..	..	0	*12
	2019	..	0	..	..	0	*11
	2020	..	0	..	..	0	*11

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
Vanuatu	2017	..	*2	..	..	*2	*7
	2018	..	*2	..	..	*2	*7
	2019	..	*2	..	..	*2	*7
	2020	..	*2	..	..	*2	*6
Wallis and Futuna Is.	2017	..	0	..	..	0	*23
	2018	..	0	..	..	0	*22
	2019	..	0	..	..	0	*22
	2020	..	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, 1990-2020

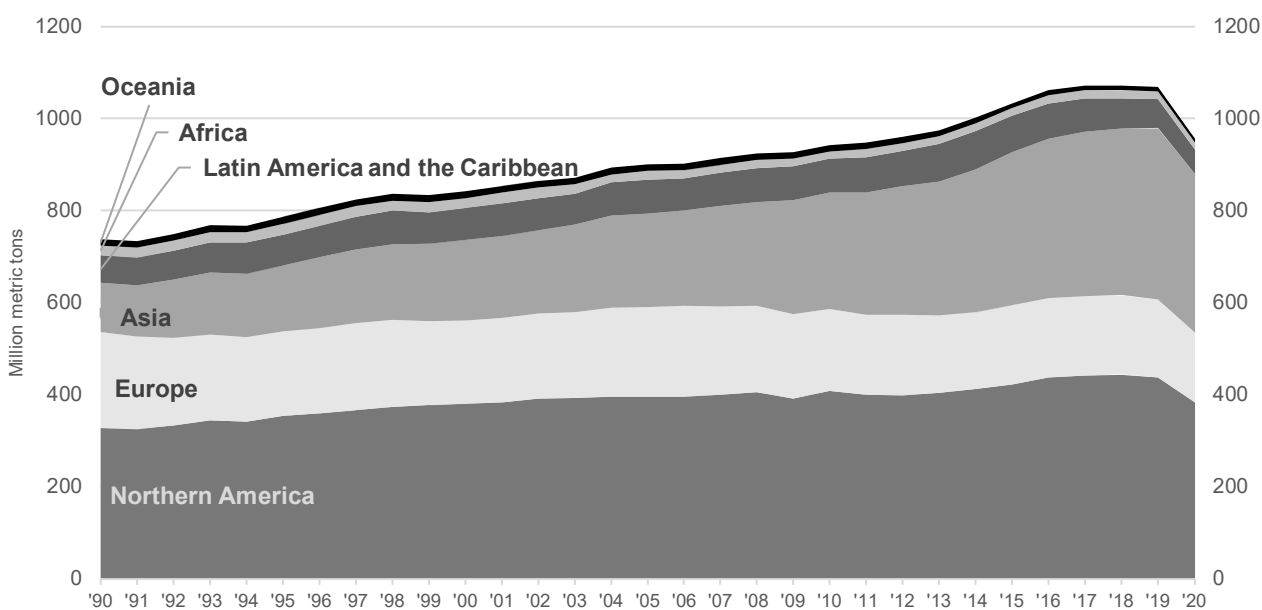


Figure 49: Major motor gasoline producing countries, 2020

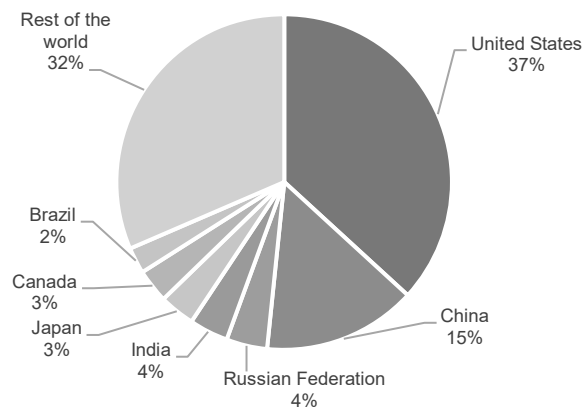


Figure 50: Major motor gasoline consuming countries, 2020

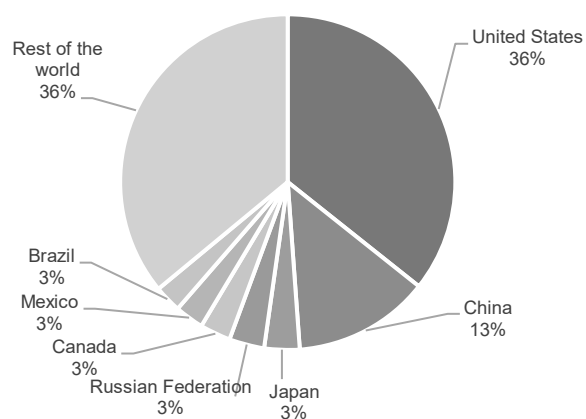


Table 18

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	2017	1,070,618	228,295	232,856	-1,558	1,067,615	140
	2018	1,071,174	239,897	248,633	-1,556	1,063,994	138
	2019	1,068,296	249,792	236,434	-5,192	1,086,845	140
	2020	955,735	223,575	210,726	1,338	967,245	123
Africa	2017	17,099	35,058	2,214	-30	49,973	40
	2018	17,724	30,451	1,894	-2,230	48,511	37
	2019	16,360	38,443	1,680	-596	53,719	40
	2020	14,576	37,374	1,432	386	50,133	37
Algeria	2017	2,547	1,554	..	19	4,082	99
	2018	3,749	124	..	336	3,537	84
	2019	3,253	578	..	-32	3,863	90
	2020	3,105	392	93	28	3,375	78
Angola	2017	35	958	8	..	985	33
	2018	5	1,794	8	..	1,792	57
	2019	39	1,077	4	..	1,112	34
	2020	11	756	..	..	767	23
Benin	2017	..	1,191	..	-19	1,210	104
	2018	..	1,314	..	-2	1,315	110
	2019	..	1,107	..	10	1,097	89
	2020	..	1,200	..	7	1,193	94
Botswana	2017	..	440	..	..	440	183
	2018	..	446	..	..	446	182
	2019	..	452	..	..	452	181
	2020	..	423	..	..	423	166
Burkina Faso	2017	..	320	..	*-45	365	18
	2018	..	465	..	*51	415	20
	2019	..	376	..	*-63	439	21
	2020	..	441	..	*12	429	20
Burundi	2017	..	70	..	..	70	6
	2018	..	96	..	..	96	8
	2019	..	96	..	..	96	8
	2020	..	107	..	..	107	9
Cabo Verde	2017	..	*9	..	..	*9	*16
	2018	..	9	..	..	9	17
	2019	..	*10	..	..	*10	*17
	2020	..	*9	..	..	*9	*15
Cameroon	2017	240	269	39	..	470	19
	2018	218	243	35	..	426	17
	2019	113	427	34	..	505	20
	2020	..	508	..	..	508	19
Central African Rep.	2017	..	*23	..	..	*23	*5
	2018	..	*24	..	..	*24	*5
	2019	..	*25	..	..	*25	*5
	2020	..	*27	..	..	*27	*5
Chad	2017	*173	..	1	..	*172	*11
	2018	*157	..	*3	..	*154	*10
	2019	*171	..	*3	..	*168	*10
	2020	*158	..	*2	..	*156	*9
Comoros	2017	..	*19	..	..	*19	*26
	2018	..	*22	..	..	*22	*28
	2019	..	*24	..	..	*24	*30
	2020	..	*29	..	..	*29	*36

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	2017	64	88	..	..	151	29
	2018	65	88	..	..	153	28
	2019	65	89	..	..	154	28
	2020	62	80	..	..	142	25
Côte d'Ivoire	2017	*888	..	*309	-17	*596	*24
	2018	771	..	289	..	482	19
	2019	844	..	296	..	549	21
	2020	929	..	355	..	574	21
Dem. Rep. of the Congo	2017	..	257	..	..	257	3
	2018	..	264	..	..	264	3
	2019	..	313	..	..	313	3
	2020	..	353	..	..	353	4
Djibouti	2017	..	14	..	..	14	13
	2018	..	15	..	..	15	14
	2019	..	16	..	..	16	14
	2020	..	16	..	..	16	15
Egypt	2017	4,453	2,765	128	..	7,090	70
	2018	4,827	2,725	299	..	7,253	70
	2019	5,258	2,172	250	..	7,180	68
	2020	5,314	1,414	49	..	6,679	62
Equatorial Guinea	2017	..	*65	..	..	*65	*45
	2018	..	*67	..	..	*67	*45
	2019	..	*70	..	..	*70	*45
	2020	..	*65	..	..	*65	*40
Eritrea	2017	..	9	..	1	8	2
	2018	..	9	..	..	9	3
	2019	..	10	..	..	10	3
	2020	..	9	..	..	9	3
Eswatini	2017	..	123	..	..	123	107
	2018	..	128	..	..	128	110
	2019	..	*135	..	..	*135	*116
	2020	..	*121	..	..	*121	*103
Ethiopia	2017	..	442	..	..	442	4
	2018	..	507	..	..	507	5
	2019	..	559	..	..	559	5
	2020	..	653	..	..	653	6
Gabon	2017	32	44	..	..	76	36
	2018	29	42	..	..	71	33
	2019	30	42	..	..	72	32
	2020	54	26	2	..	78	34
Gambia	2017	..	25	..	..	25	11
	2018	..	24	..	..	24	10
	2019	..	*25	..	..	*25	*10
	2020	..	*24	..	..	*24	*9
Ghana	2017	7	1,304	184	0	1,126	37
	2018	102	1,326	67	0	1,360	44
	2019	125	1,265	108	-97	1,379	44
	2020	66	1,625	5	137	1,549	48
Guinea	2017	..	362	..	..	362	30
	2018	..	279	..	..	279	22
	2019	..	442	..	..	442	34
	2020	..	467	..	..	467	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
Guinea-Bissau	2017	..	*2	..	..	*2	*1
	2018	..	*2	..	..	*2	*1
	2019	..	*2	..	..	*2	*1
	2020	..	*2	..	..	*2	*1
Kenya	2017	0	1,701	553	..	1,148	23
	2018	..	1,239	..	..	1,239	25
	2019	..	1,941	2	..	1,938	38
	2020	..	1,959	..	..	1,959	38
Lesotho	2017	..	99	..	..	99	45
	2018	..	103	..	..	103	47
	2019	..	103	..	..	103	46
	2020	..	87	..	..	87	38
Liberia	2017	..	96	..	..	96	20
	2018	..	29	..	..	29	6
	2019	..	128	..	..	128	26
	2020	..	103	..	..	103	20
Libya	2017	470	3,484	..	..	3,953	620
	2018	391	3,559	..	..	3,950	610
	2019	227	3,791	..	..	4,017	612
	2020	91	4,318	..	..	4,410	663
Madagascar	2017	..	115	..	5	111	4
	2018	..	108	..	-11	118	4
	2019	..	135	..	10	126	5
	2020	..	*120	..	*8	*112	*4
Malawi	2017	..	137	..	..	137	8
	2018	..	155	..	..	155	8
	2019	..	183	..	..	183	10
	2020	..	217	..	..	217	11
Mali	2017	..	*331	*10	..	*321	*17
	2018	..	*368	*10	..	*358	*18
	2019	..	451	0	..	451	22
	2020	..	547	*10	..	537	25
Mauritania	2017	..	34	..	..	34	8
	2018	..	51	..	*10	41	10
	2019	..	84	..	*33	51	12
	2020	..	76	..	*18	57	13
Mauritius	2017	..	172	..	-2	174	134
	2018	..	172	..	-5	177	137
	2019	..	183	..	-10	193	149
	2020	..	142	..	-29	170	131
Morocco	2017	..	650	..	-41	691	19
	2018	..	670	..	-42	711	20
	2019	..	672	..	-43	715	19
	2020	..	599	..	-37	636	17
Mozambique	2017	..	302	..	..	302	11
	2018	..	297	..	..	297	10
	2019	..	289	..	..	289	10
	2020	..	279	..	..	279	9
Namibia	2017	..	318	..	..	318	134
	2018	..	318	..	..	318	132
	2019	..	309	..	..	309	126
	2020	..	284	..	..	284	114

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	2017	228	0	*94	0	134	6
	2018	197	1	101	..	97	4
	2019	175	0	32	..	143	6
	2020	184	0	*43	..	140	6
Nigeria	2017	675	12,461	..	73	13,063	68
	2018	368	8,028	..	-2,536	10,932	55
	2019	107	15,745	..	-462	16,314	80
	2020	0	14,629	..	201	14,428	69
Rwanda	2017	..	99	..	..	99	8
	2018	..	106	..	..	106	8
	2019	..	170	..	60	110	9
	2020	..	109	..	..	109	8
Sao Tome and Principe	2017	..	7	..	..	7	33
	2018	..	8	..	..	8	37
	2019	..	9	..	..	9	44
	2020	..	*9	..	..	*9	*41
Senegal	2017	97	94	2	..	189	12
	2018	93	134	..	..	227	15
	2019	84	212	..	0	296	18
	2020	64	171	..	-2	237	14
Seychelles	2017	..	27	..	..	27	267
	2018	..	41	..	..	41	398
	2019	..	37	..	..	37	354
	2020	..	*38	..	..	*38	*360
Sierra Leone	2017	..	138	..	*-5	143	19
	2018	..	143	..	*8	135	17
	2019	..	148	..	*5	143	18
	2020	..	156	..	*4	152	18
Somalia	2017	..	*34	..	..	*34	*2
	2018	..	*34	..	..	*34	*2
	2019	..	*34	..	..	*34	*2
	2020	..	*30	..	..	*30	*2
South Africa	2017	5,983	1,565	764	..	6,784	120
	2018	5,668	1,624	979	..	6,313	110
	2019	4,795	1,093	873	..	5,015	86
	2020	3,492	1,273	854	..	3,910	67
South Sudan	2017	..	45	..	..	45	4
	2018	..	54	..	..	54	5
	2019	..	52	..	..	52	5
	2020	..	49	..	..	49	5
St. Helena and Depend.	2017	..	1	..	..	1	98
	2018	..	1	..	..	1	132
	2019	..	1	..	..	1	151
	2020	..	1	..	..	1	115
Sudan	2017	1,063	267	122	..	1,209	30
	2018	925	349	103	..	1,171	28
	2019	*937	*353	79	..	*1,211	*28
	2020	*923	380	18	..	*1,285	*29
Togo	2017	..	125	..	-4	129	16
	2018	..	155	..	-6	161	20
	2019	..	168	..	-2	170	21
	2020	..	171	..	-2	173	20

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	2017	21	530	..	6	545	46
	2018	23	650	..	-35	708	59
	2019	..	664	..	-5	668	55
	2020	49	663	..	39	673	55
Uganda	2017	..	662	..	..	662	16
	2018	..	689	..	..	689	17
	2019	..	745	..	..	745	17
	2020	..	698	..	..	698	16
United Rep. of Tanzania	2017	..	696	..	..	696	12
	2018	..	763	..	..	763	13
	2019	..	905	..	..	905	15
	2020	..	960	..	..	960	16
Zambia	2017	124	188	..	..	312	18
	2018	136	137	..	..	273	15
	2019	138	191	..	..	329	18
	2020	74	264	..	..	339	18
Zimbabwe	2017	..	328	..	..	328	22
	2018	..	454	..	..	454	30
	2019	..	336	..	..	336	22
	2020	..	298	..	..	298	19
Asia	2017	357,934	80,908	85,922	-1,338	354,258	78
	2018	361,140	97,120	99,189	353	358,718	78
	2019	372,204	88,398	89,042	-5,426	376,987	81
	2020	344,440	83,985	82,876	265	345,285	74
Afghanistan	2017	*44	535	..	..	579	16
	2018	*68	705	..	..	773	21
	2019	*44	795	..	..	839	22
	2020	*18	1,008	..	..	1,026	26
Armenia	2017	..	142	..	..	142	50
	2018	..	139	..	..	139	49
	2019	..	175	..	..	175	62
	2020	..	221	0	..	221	79
Azerbaijan	2017	1,215	130	7	31	1,307	130
	2018	1,186	131	..	19	1,298	128
	2019	1,161	170	..	-26	1,357	133
	2020	1,167	116	64	40	1,179	115
Bahrain	2017	744	..	0	-53	797	547
	2018	741	..	0	-102	843	567
	2019	755	..	..	-107	862	577
	2020	537	..	..	-200	737	499
Bangladesh	2017	125	33	..	..	158	1
	2018	195	33	..	..	227	1
	2019	229	116	..	..	344	2
	2020	224	191	..	..	414	2
Bhutan	2017	..	29	..	..	29	38
	2018	..	35	..	..	35	46
	2019	..	38	..	..	38	49
	2020	..	26	..	..	26	33
Brunei Darussalam	2017	73	213	..	8	278	646
	2018	133	141	..	-5	279	643
	2019	325	181	226	-5	285	652
	2020	1,505	339	1,358	115	370	838

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
Cambodia	2017	..	576	..	..	576	36
	2018	..	606	..	..	606	38
	2019	..	711	..	..	711	44
	2020	..	758	..	..	758	46
China	2017	132,762	16	10,514	260	122,005	87
	2018	142,647	445	12,879	-140	130,353	92
	2019	147,816	333	16,371	-4,133	135,912	96
	2020	*141,618	481	16,000	-1,243	*127,341	*89
China, Hong Kong SAR	2017	..	475	11	1	463	62
	2018	..	482	12	11	459	61
	2019	..	453	12	-19	460	61
	2020	..	455	6	-6	455	61
China, Macao SAR	2017	..	77	..	1	76	119
	2018	..	83	..	1	82	126
	2019	..	79	..	-1	80	121
	2020	..	66	..	-2	68	101
Cyprus	2017	..	350	..	0	350	289
	2018	..	339	..	-5	345	283
	2019	..	335	..	1	334	272
	2020	..	307	..	22	285	230
Georgia	2017	2	534	1	-2	537	142
	2018	1	548	1	8	540	143
	2019	1	544	0	-5	550	146
	2020	10	542	1	6	544	144
India	2017	37,784	174	14,035	..	23,923	18
	2018	38,039	670	12,885	..	25,824	19
	2019	38,616	2,146	12,710	..	28,052	20
	2020	35,779	1,351	11,606	..	25,524	18
Indonesia	2017	9,473	13,704	68	*-603	23,712	90
	2018	7,746	14,093	76	*28	21,735	81
	2019	11,310	14,618	86	26	25,816	96
	2020	11,496	11,937	..	..	23,433	86
Iran (Islamic Rep. of)	2017	22,130	3,271	..	..	25,401	301
	2018	17,743	4,516	..	..	22,258	260
	2019	18,169	3,876	..	..	22,044	255
	2020	17,091	3,459	..	..	20,550	235
Iraq	2017	2,483	2,396	..	..	4,879	123
	2018	2,832	2,526	..	..	5,358	132
	2019	2,553	2,715	..	..	5,268	127
	2020	2,063	1,994	..	..	4,056	95
Israel	2017	2,766	645	487	10	2,914	351
	2018	3,055	843	822	21	3,055	361
	2019	2,946	654	649	-19	2,970	345
	2020	2,491	382	394	103	2,376	271
Japan	2017	39,795	902	2,771	-78	38,004	300
	2018	38,117	1,576	2,446	40	37,206	295
	2019	36,640	1,820	2,298	140	36,023	286
	2020	32,663	2,222	1,807	91	32,986	263
Jordan	2017	557	923	..	48	1,432	140
	2018	483	964	..	*37	1,410	135
	2019	507	977	..	73	1,411	132
	2020	366	773	..	..	1,139	104

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
Kazakhstan	2017	3,055	1,073	2	-208	4,334	237
	2018	3,955	595	20	23	4,507	243
	2019	4,533	19	54	-65	4,563	243
	2020	4,482	1	516	297	3,670	193
Korea, Dem.Ppl's.Rep.	2017	178	14	..	..	192	8
	2018	178	14	..	..	192	7
	2019	178	17	..	..	195	8
	2020	178	15	..	..	193	7
Korea, Republic of	2017	18,343	130	9,611	12	8,850	172
	2018	19,601	20	10,291	216	9,114	176
	2019	19,722	15	10,285	-152	9,604	185
	2020	16,770	0	8,680	-144	8,234	159
Kuwait	2017	2,113	..	522	-1,614	3,206	777
	2018	2,097	..	502	-1,564	3,159	732
	2019	2,587	..	339	-1,017	3,265	735
	2020	2,189	..	280	..	1,909	438
Kyrgyzstan	2017	235	468	7	5	691	113
	2018	219	632	28	31	792	127
	2019	103	485	17	-6	577	91
	2020	13	550	2	16	545	85
Lao People's Dem. Rep.	2017	..	190	..	..	190	27
	2018	..	182	..	..	182	26
	2019	..	*185	..	..	*185	*26
	2020	..	*181	..	..	*181	*25
Lebanon	2017	..	2,097	..	..	2,097	343
	2018	..	1,983	..	..	1,983	333
	2019	..	2,075	..	..	2,075	359
	2020	..	*1,981	..	..	*1,981	*350
Malaysia	2017	7,855	4,901	268	-47	12,535	392
	2018	5,258	10,130	2,941	9	12,438	384
	2019	4,979	7,662	813	*-249	12,078	368
	2020	4,857	8,364	331	*179	12,711	383
Maldives	2017	..	58	..	..	58	122
	2018	..	69	..	..	69	140
	2019	..	85	..	..	85	168
	2020	..	59	..	..	59	114
Mongolia	2017	..	411	..	..	411	133
	2018	..	435	..	..	435	137
	2019	..	542	..	..	542	168
	2020	..	586	..	..	586	178
Myanmar	2017	145	1,091	..	-141	1,377	26
	2018	70	1,951	..	-103	2,124	40
	2019	52	1,853	..	..	1,905	36
	2020	53	2,064	..	..	2,117	40
Nepal	2017	..	346	..	..	346	12
	2018	..	402	..	..	402	14
	2019	..	363	..	..	363	13
	2020	..	419	..	..	419	14
Oman	2017	2,990	57	167	4	2,876	633
	2018	3,185	0	410	0	2,775	603
	2019	3,311	0	550	0	2,761	600
	2020	2,718	..	479	..	2,240	493

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
Other Asia	2017	8,463	126	4,201	-244	4,632	196
	2018	8,537	99	3,962	64	4,610	194
	2019	8,141	183	3,515	-29	4,839	204
	2020	6,416	183	1,735	12	4,852	204
Pakistan	2017	2,212	5,235	..	..	7,447	34
	2018	2,383	5,591	..	..	7,974	36
	2019	2,183	6,560	..	..	8,744	39
	2020	2,033	4,840	..	-463	7,336	32
Philippines	2017	2,153	1,991	85	80	3,979	37
	2018	2,435	2,205	230	169	4,240	39
	2019	1,689	2,172	46	-54	3,870	35
	2020	936	2,905	128	-85	3,797	34
Qatar	2017	1,937	..	111	..	1,826	673
	2018	1,770	147	129	..	1,788	646
	2019	1,671	154	96	..	1,729	616
	2020	1,396	143	82	..	1,456	528
Saudi Arabia	2017	23,949	8,488	10,314	-170	22,293	652
	2018	23,418	14,114	17,738	..	19,794	565
	2019	22,772	*3,962	*4,267	*-367	22,834	637
	2020	19,624	4,318	6,493	-5	17,454	485
Singapore	2017	9,108	15,767	24,163	..	712	124
	2018	8,491	15,727	25,705	192	-1,679	-289
	2019	8,122	15,663	26,554	-356	-2,413	-411
	2020	6,634	16,794	23,428	..	0	0
Sri Lanka	2017	165	1,097	..	-227	1,489	69
	2018	165	1,128	..	7	1,286	60
	2019	186	1,160	..	-31	1,377	64
	2020	164	1,057	..	25	1,196	55
State of Palestine	2017	..	233	..	..	233	50
	2018	..	226	..	0	226	47
	2019	..	226	..	..	226	46
	2020	..	221	..	..	221	44
Syrian Arab Republic	2017	533	280	..	..	813	43
	2018	672	347	..	..	1,019	53
	2019	577	305	..	..	882	44
	2020	527	278	..	..	805	39
Tajikistan	2017	1	177	..	..	177	20
	2018	1	173	..	..	174	19
	2019	0	171	..	..	171	18
	2020	0	234	..	..	234	25
Thailand	2017	8,974	1,287	1,180	1,172	7,909	112
	2018	9,356	1,143	1,246	1,101	8,152	115
	2019	9,299	1,636	893	1,046	8,996	126
	2020	9,252	1,705	1,238	1,329	8,390	117
Timor-Leste	2017	..	29	..	..	29	24
	2018	..	30	..	..	30	24
	2019	..	35	..	..	35	27
	2020	..	36	..	..	36	28
Türkiye	2017	5,444	..	3,172	-32	2,304	28
	2018	4,767	..	2,442	57	2,268	27
	2019	5,374	..	2,974	-19	2,419	29
	2020	4,220	..	1,867	-17	2,371	28

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
Turkmenistan	2017	2,610	..	1,105	..	1,505	252
	2018	2,610	..	1,105	..	1,505	248
	2019	2,610	..	1,105	..	1,505	244
	2020	2,610	..	1,105	..	1,505	241
United Arab Emirates	2017	3,819	6,390	2,862	373	6,974	769
	2018	3,578	8,308	3,110	..	8,776	960
	2019	6,412	9,561	4,980	..	10,993	1,193
	2020	6,026	8,119	4,980	..	9,166	987
Uzbekistan	2017	1,112	0	6	35	1,071	34
	2018	1,147	0	0	103	1,044	32
	2019	1,016	4	0	-51	1,072	32
	2020	1,044	249	..	-52	1,345	40
Viet Nam	2017	2,565	3,180	252	42	5,451	58
	2018	4,109	2,053	208	135	5,819	61
	2019	5,470	2,003	202	..	7,271	76
	2020	5,173	1,511	295	246	6,142	64
Yemen	2017	25	667	..	..	692	23
	2018	154	543	..	..	697	23
	2019	143	564	..	..	707	22
	2020	100	547	..	..	647	20
Europe	2017	171,908	32,264	94,584	-173	109,762	147
	2018	172,675	28,936	93,723	-525	108,413	145
	2019	169,570	30,120	93,922	98	105,670	141
	2020	151,638	26,874	81,222	1,581	95,709	128
Albania	2017	..	148	..	42	106	37
	2018	..	133	..	27	105	37
	2019	0	136	..	27	110	38
	2020	..	110	..	28	82	29
Andorra	2017	..	19	..	..	19	264
	2018	..	21	..	..	21	278
	2019	..	23	..	..	23	295
	2020	..	17	..	..	17	215
Austria	2017	1,781	749	864	13	1,654	188
	2018	2,029	710	1,059	-48	1,728	195
	2019	2,074	652	978	56	1,692	191
	2020	1,804	549	984	-50	1,419	159
Belarus	2017	3,481	108	2,411	11	1,167	120
	2018	3,335	20	2,163	-7	1,199	124
	2019	2,900	4	1,662	-3	1,245	129
	2020	3,009	2	1,815	97	1,099	114
Belgium	2017	4,748	890	4,687	-37	988	87
	2018	4,173	1,541	4,269	99	1,347	118
	2019	4,435	1,280	4,726	-52	1,041	90
	2020	3,288	678	3,170	12	783	68
Bosnia and Herzegovina	2017	142	118	60	10	190	55
	2018	116	118	59	-7	182	54
	2019	18	153	10	-15	176	52
	2020	..	143	..	-1	144	43
Bulgaria	2017	1,889	269	1,646	-9	522	73
	2018	1,552	216	1,262	-12	518	73
	2019	1,827	269	1,601	-23	518	73
	2020	1,265	270	1,048	-7	494	71

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
Croatia	2017	1,005	160	643	9	514	123
	2018	895	134	479	51	499	120
	2019	712	155	425	-36	478	116
	2020	626	128	357	-2	399	97
Czechia	2017	1,638	583	624	-4	1,601	152
	2018	1,519	716	567	64	1,604	152
	2019	1,624	560	596	-26	1,614	153
	2020	1,310	560	431	-29	1,468	139
Denmark	2017	2,309	390	1,222	-25	1,503	262
	2018	2,257	428	1,185	-55	1,554	270
	2019	2,293	462	1,280	-12	1,487	257
	2020	2,258	443	1,136	65	1,499	257
Estonia	2017	..	455	167	26	262	198
	2018	..	513	266	-22	269	203
	2019	..	414	113	27	274	207
	2020	..	699	462	22	215	162
Faeroe Islands	2017	..	*11	..	..	*11	*217
	2018	..	*11	..	..	*11	*214
	2019	..	*11	..	..	*11	*215
	2020	..	*11	..	..	*11	*208
Finland	2017	4,531	606	3,123	12	2,002	363
	2018	4,570	579	3,005	21	2,123	385
	2019	4,582	614	3,337	-32	1,891	342
	2020	4,353	616	3,001	57	1,911	346
France	2017	12,085	1,467	4,349	13	9,190	138
	2018	11,265	1,361	3,167	-22	9,481	142
	2019	10,270	1,486	2,619	-4	9,142	137
	2020	8,404	1,367	2,188	1	7,582	113
Germany	2017	20,975	2,158	5,719	-210	17,624	213
	2018	21,923	2,440	5,052	-16	19,327	233
	2019	21,427	3,163	4,853	127	19,610	236
	2020	20,739	1,893	5,365	-5	17,272	207
Gibraltar	2017	..	40	..	..	40	1,232
	2018	..	43	..	..	43	1,328
	2019	..	47	..	..	47	1,431
	2020	..	44	..	..	44	1,341
Greece	2017	5,291	321	3,935	40	1,637	153
	2018	5,351	352	4,499	-136	1,341	126
	2019	5,048	627	4,074	8	1,593	151
	2020	4,736	431	4,614	37	516	49
Hungary	2017	1,080	598	318	16	1,344	137
	2018	1,188	508	258	29	1,409	144
	2019	1,163	795	431	21	1,506	154
	2020	1,199	471	279	14	1,377	141
Iceland	2017	..	138	..	-1	139	405
	2018	..	134	..	6	128	362
	2019	..	122	..	0	123	340
	2020	..	101	..	-4	105	286
Ireland	2017	589	883	486	88	898	188
	2018	636	539	342	9	823	170
	2019	552	519	407	-127	791	162
	2020	563	421	323	90	571	115

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
Italy	2017	15,717	140	8,445	-9	7,421	124
	2018	15,639	353	8,483	-142	7,651	128
	2019	16,413	405	8,481	63	8,274	138
	2020	12,254	362	6,264	334	6,018	101
Kosovo	2017	..	63	..	..	63	36
	2018	..	59	..	..	59	34
	2019	..	59	..	..	59	35
	2020	..	50	..	..	50	30
Latvia	2017	12	213	37	-4	192	98
	2018	13	201	26	0	188	97
	2019	11	193	24	0	180	94
	2020	20	185	17	3	186	98
Lithuania	2017	2,752	65	2,672	-21	167	57
	2018	2,575	47	2,438	-9	193	67
	2019	2,489	46	2,326	3	207	73
	2020	2,171	50	2,004	-2	219	78
Luxembourg	2017	..	303	..	1	303	508
	2018	..	332	..	-3	335	551
	2019	..	359	..	-1	360	581
	2020	..	280	..	3	276	438
Malta	2017	..	84	..	6	78	162
	2018	..	79	..	1	78	160
	2019	..	76	..	-7	83	165
	2020	..	75	..	5	70	136
Montenegro	2017	..	41	7	-3	37	59
	2018	..	39	7	-5	37	59
	2019	..	36	2	-3	37	59
	2020	..	28	..	..	28	44
Netherlands	2017	3,176	10,787	20,282	-64	-6,254	-363
	2018	4,219	7,636	23,200	-257	-11,089	-642
	2019	4,314	7,221	25,751	-133	-14,082	-811
	2020	4,302	7,508	20,263	361	-8,814	-506
North Macedonia	2017	0	108	4	1	103	49
	2018	..	104	2	1	101	48
	2019	..	120	17	0	103	49
	2020	..	85	9	1	75	36
Norway	2017	4,647	351	3,614	-32	1,416	268
	2018	4,477	389	3,885	4	977	184
	2019	3,688	513	3,650	44	507	95
	2020	3,587	428	3,127	9	879	163
Poland	2017	4,164	481	221	35	4,389	114
	2018	4,451	468	367	6	4,546	118
	2019	4,577	423	246	38	4,715	122
	2020	4,244	368	212	-2	4,402	115
Portugal	2017	2,753	124	1,885	-48	1,040	101
	2018	2,508	149	1,644	2	1,012	98
	2019	2,408	261	1,585	11	1,073	104
	2020	1,961	193	1,271	-11	894	87
Republic of Moldova	2017	..	164	..	0	164	52
	2018	..	169	..	-1	170	54
	2019	..	178	..	2	176	57
	2020	4	163	8	0	159	52

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
Romania	2017	3,428	109	1,930	61	1,545	78
	2018	3,523	104	2,165	-58	1,519	77
	2019	3,637	70	2,187	-20	1,541	79
	2020	3,165	101	1,882	-2	1,386	71
Russian Federation	2017	38,027	32	4,415	182	33,462	230
	2018	39,053	31	4,210	26	34,849	239
	2019	39,494	1	5,183	107	34,205	235
	2020	37,915	19	5,235	204	32,495	223
Serbia	2017	499	78	143	14	420	56
	2018	516	68	150	11	422	57
	2019	445	77	111	-20	432	58
	2020	451	58	112	1	397	54
Slovakia	2017	1,456	263	1,136	-37	620	114
	2018	1,420	207	1,025	23	579	106
	2019	1,193	217	838	8	564	103
	2020	1,115	189	777	-5	532	97
Slovenia	2017	..	643	220	10	414	197
	2018	..	610	198	-10	422	200
	2019	..	658	260	-3	401	190
	2020	..	571	232	14	325	153
Spain	2017	9,318	417	4,514	-108	5,329	114
	2018	9,451	441	4,347	-129	5,674	121
	2019	9,289	1,438	4,740	288	5,699	121
	2020	7,956	1,066	4,304	-86	4,804	101
Sweden	2017	4,909	1,504	3,830	-161	2,744	273
	2018	5,278	785	3,650	40	2,373	233
	2019	3,917	612	1,974	-46	2,601	253
	2020	3,800	883	2,618	139	1,925	186
Switzerland	2017	689	1,639	2	-37	2,363	280
	2018	689	1,587	2	-72	2,346	276
	2019	649	1,690	1	-3	2,341	273
	2020	616	1,499	0	47	2,068	239
Ukraine	2017	802	1,268	7	-1	2,064	46
	2018	*874	1,138	..	23	1,989	45
	2019	*1,034	1,042	0	-30	2,105	48
	2020	*892	1,018	0	-12	1,922	44
United Kingdom	2017	18,014	3,273	10,966	49	10,271	155
	2018	17,179	3,424	10,292	42	10,270	155
	2019	17,085	2,933	9,434	-134	10,718	161
	2020	13,630	2,741	7,713	252	8,406	125
Latin America & Carib.	2017	72,546	40,706	6,160	132	106,959	169
	2018	65,947	42,024	6,481	-19	101,509	159
	2019	63,368	44,154	5,232	-361	102,651	159
	2020	53,812	38,647	4,686	-116	87,889	135
Anguilla	2017	..	7	..	0	7	480
	2018	..	6	..	*-1	7	481
	2019	..	6	..	*-2	7	481
	2020	..	10	..	*2	7	462
Antigua and Barbuda	2017	..	*52	*3	..	*49	*538
	2018	..	*53	*3	..	*50	*546
	2019	..	*53	*3	..	*50	*543
	2020	..	*50	*2	..	*48	*518

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
Argentina	2017	7,451	308	..	-34	7,793	177
	2018	7,457	457	*788	-47	7,173	162
	2019	7,331	385	*811	-29	6,934	155
	2020	6,115	119	118	-63	6,179	137
Aruba	2017	..	*65	..	..	*65	*616
	2018	..	*66	..	..	*66	*619
	2019	..	*61	..	..	*61	*576
	2020	..	*58	..	..	*58	*544
Bahamas	2017	..	236	*1	..	235	589
	2018	..	245	..	..	245	610
	2019	..	276	..	..	276	682
	2020	..	182	..	..	182	447
Barbados	2017	..	90	..	-1	90	323
	2018	..	87	..	0	87	310
	2019	..	86	..	-4	90	320
	2020	..	72	..	-5	77	274
Belize	2017	..	75	..	..	75	200
	2018	..	78	..	..	78	204
	2019	..	85	..	..	85	218
	2020	..	73	..	..	73	185
Bolivia (Plur. State of)	2017	1,035	242	..	3	1,273	111
	2018	997	322	..	-2	1,320	114
	2019	916	486	..	3	1,400	119
	2020	963	130	..	-6	1,100	92
Bonaire, St Eustatius, Saba	2017	..	*1	..	..	*1	*61
	2018	..	*2	..	..	*2	*61
	2019	..	*2	..	..	*2	*59
	2020	..	*2	..	..	*2	*58
Brazil	2017	29,411	3,323	349	49	32,336	155
	2018	26,295	2,393	1,029	-142	27,801	132
	2019	26,182	3,574	1,491	258	28,007	132
	2020	23,914	3,633	1,754	-59	25,852	121
British Virgin Islands	2017	..	*12	..	..	*12	*386
	2018	..	*11	..	..	*11	*363
	2019	..	*12	..	..	*12	*376
	2020	..	*11	..	..	*11	*356
Cayman Islands	2017	..	40	..	..	40	629
	2018	..	48	..	..	48	735
	2019	..	50	..	..	50	757
	2020	..	41	..	..	41	614
Chile	2017	3,055	526	40	44	3,497	190
	2018	2,964	549	28	2	3,483	186
	2019	3,319	271	69	16	3,505	184
	2020	2,626	335	8	-17	2,969	154
Colombia	2017	4,336	1,583	689	..	5,230	108
	2018	4,458	1,190	91	..	5,557	113
	2019	4,853	1,090	31	-8	5,920	118
	2020	3,434	1,368	198	22	4,582	90
Costa Rica	2017	..	997	..	45	953	191
	2018	..	913	..	-38	951	189
	2019	..	1,017	..	67	950	187
	2020	..	750	..	-43	794	155

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
Cuba	2017	139	169	*45	..	262	23
	2018	212	254	*212	..	254	22
	2019	199	236	*203	..	232	21
	2020	291	*226	*314	..	*204	*18
Curaçao	2017	1,181	71	1,181	..	71	414
	2018	843	70	843	..	70	380
	2019	0	67	0	..	67	345
	2020	..	48	..	..	48	256
Dominica	2017	..	*10	..	0	*10	*143
	2018	..	*10	..	0	*10	*147
	2019	..	*10	..	0	*11	*148
	2020	..	*9	..	..	*9	*125
Dominican Republic	2017	189	866	..	1	1,055	99
	2018	256	908	..	-20	1,184	110
	2019	251	940	..	-21	1,212	111
	2020	95	986	..	-22	1,102	100
Ecuador	2017	1,380	1,722	0	-28	3,129	187
	2018	1,447	1,853	..	13	3,286	193
	2019	1,349	2,142	4	12	3,475	200
	2020	1,035	1,598	0	13	2,619	149
El Salvador	2017	..	641	..	..	641	102
	2018	..	622	2	..	620	99
	2019	..	752	..	..	752	120
	2020	..	653	7	..	646	103
Falkland Is. (Malvinas)	2017	..	0	..	..	0	57
	2018	..	0	..	..	0	53
	2019	..	0	..	..	0	42
	2020	..	0	..	..	0	39
Grenada	2017	..	25	..	0	25	205
	2018	..	26	..	-2	28	233
	2019	..	28	..	1	27	224
	2020	..	24	..	1	24	192
Guatemala	2017	..	1,605	51	27	1,527	92
	2018	..	1,629	33	-3	1,599	95
	2019	..	1,869	39	55	1,776	104
	2020	..	1,639	19	-22	1,642	95
Guyana	2017	..	140	..	-2	141	185
	2018	..	155	..	-4	159	202
	2019	..	174	..	-3	177	221
	2020	..	177	..	0	178	223
Haiti	2017	..	259	..	..	259	24
	2018	..	321	..	..	321	29
	2019	..	273	..	..	273	24
	2020	..	224	..	..	224	20
Honduras	2017	..	776	..	15	761	79
	2018	..	814	1	18	795	81
	2019	..	869	14	..	855	86
	2020	..	774	29	2	743	73
Jamaica	2017	143	379	..	7	515	183
	2018	119	378	..	..	497	177
	2019	154	373	..	3	524	186
	2020	129	293	..	3	419	148

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
Mexico	2017	10,715	21,695	..	10	32,400	264
	2018	8,654	24,017	..	157	32,514	262
	2019	8,213	24,028	..	-692	32,933	263
	2020	7,993	19,272	..	290	26,975	214
Montserrat	2017	..	3	..	..	3	617
	2018	..	4	..	..	4	895
	2019	..	3	..	..	3	644
	2020	..	3	..	..	3	556
Nicaragua	2017	101	252	..	0	353	54
	2018	96	227	..	..	323	49
	2019	108	233	..	0	341	51
	2020	111	207	..	-17	335	50
Panama	2017	..	912	..	-47	959	234
	2018	..	903	..	-30	933	224
	2019	..	945	..	-11	956	226
	2020	..	659	..	-126	785	183
Paraguay	2017	223	686	..	-64	973	153
	2018	244	814	..	-14	1,071	166
	2019	287	756	..	-29	1,071	164
	2020	241	619	..	16	844	127
Peru	2017	2,789	896	2,300	126	1,259	40
	2018	2,684	971	2,051	58	1,546	48
	2019	2,840	770	1,808	46	1,757	54
	2020	2,469	1,024	1,546	-10	1,958	59
Sint Maarten (Dutch part)	2017	..	*14	..	..	*14	*329
	2018	..	*14	..	..	*14	*320
	2019	..	*14	..	..	*14	*316
	2020	..	*13	..	..	*13	*298
St. Kitts-Nevis	2017	..	*18	..	..	*18	*372
	2018	..	*18	..	..	*18	*377
	2019	..	*19	..	..	*19	*388
	2020	..	*17	..	..	*17	*363
St. Lucia	2017	..	45	..	..	45	257
	2018	..	46	..	..	46	256
	2019	..	47	..	..	47	261
	2020	..	*44	..	..	*44	*247
St. Vincent-Grenadines	2017	..	26	..	..	26	246
	2018	..	30	..	..	30	283
	2019	..	27	..	..	27	253
	2020	..	31	..	..	31	295
Suriname	2017	64	96	5	..	155	263
	2018	66	66	5	..	127	214
	2019	61	112	..	..	173	289
	2020	59	144	..	..	203	335
Trinidad and Tobago	2017	2,007	0	1,496	-7	518	351
	2018	1,823	..	1,395	20	408	271
	2019	408	813	754	..	466	307
	2020	350	750	685	-77	493	325
Turks and Caicos Islands	2017	..	*35	..	..	*35	*883
	2018	..	*36	..	..	*36	*865
	2019	..	*36	..	..	*36	*840
	2020	..	*36	..	..	*36	*804

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	2017	203	430	0	-12	645	189
	2018	588	11	0	14	586	171
	2019	611	0	6	-24	629	183
	2020	573	17	6	3	582	170
Venezuela (Bolivar. Rep.)	2017	8,125	1,378	..	0	9,504	311
	2018	6,745	1,408	..	..	8,153	273
	2019	6,286	1,165	..	..	7,451	257
	2020	3,415	2,324	..	..	5,739	201
Northern America	2017	441,518	32,803	43,749	69	430,503	1,175
	2018	443,727	35,261	47,190	863	430,935	1,167
	2019	436,936	42,749	46,379	979	432,327	1,162
	2020	382,714	30,859	40,418	-695	373,850	1,000
Bermuda	2017	..	18	..	*-2	20	319
	2018	..	21	..	*2	19	306
	2019	..	14	..	*-4	18	279
	2020	..	16	..	..	16	253
Canada	2017	35,699	3,477	8,144	-19	31,051	849
	2018	33,343	4,011	6,588	78	30,688	829
	2019	33,638	6,828	7,617	-13	32,861	876
	2020	30,976	4,234	6,490	135	28,585	754
Greenland	2017	..	16	..	-1	16	291
	2018	..	16	..	*-4	20	356
	2019	..	16	..	*-7	22	398
	2020	..	19	..	*-3	22	384
St. Pierre-Miquelon	2017	..	*4	..	..	*4	*655
	2018	..	*3	..	..	*3	*572
	2019	..	*4	..	..	*4	*624
	2020	..	*3	..	..	*3	*542
United States	2017	405,819	29,288	35,605	91	399,411	1,211
	2018	410,384	31,210	40,602	788	400,204	1,205
	2019	403,298	35,888	38,762	1,003	399,421	1,195
	2020	351,737	26,588	33,928	-827	345,223	1,028
Oceania	2017	9,613	6,557	228	-219	16,160	386
	2018	9,961	6,105	156	2	15,907	374
	2019	9,859	5,927	179	114	15,493	358
	2020	8,554	5,835	92	-82	14,378	327
American Samoa	2017	..	*13	..	..	*13	*271
	2018	..	*13	..	..	*13	*277
	2019	..	*13	..	..	*13	*283
	2020	..	*13	..	..	*13	*290
Australia	2017	8,281	5,081	162	-131	13,331	542
	2018	8,587	4,662	112	64	13,073	523
	2019	8,370	4,434	153	33	12,619	498
	2020	7,326	4,317	74	-110	11,678	455
Cook Islands	2017	..	*7	..	..	*7	*374
	2018	..	*7	..	..	*7	*377
	2019	..	*7	..	..	*7	*386
	2020	..	*5	..	..	*5	*294
Fiji	2017	..	124	24	..	101	109
	2018	..	*150	*22	..	*128	*139
	2019	..	*153	*26	..	*127	*138
	2020	..	*101	*18	..	*83	*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
French Polynesia	2017	..	50	..	*-1	51	174
	2018	..	54	..	*1	53	179
	2019	..	53	..	-2	55	182
	2020	..	50	..	0	50	166
Kiribati	2017	..	7	..	..	7	58
	2018	..	*7	..	..	*7	*58
	2019	..	*7	..	..	*7	*58
	2020	..	*7	..	..	*7	*55
Marshall Islands	2017	..	*12	..	..	*12	*248
	2018	..	*12	..	..	*12	*259
	2019	..	*12	..	..	*12	*268
	2020	..	*12	..	..	*12	*272
Micronesia (Fed. States of)	2017	..	*18	..	..	*18	*163
	2018	..	*18	..	..	*18	*164
	2019	..	*18	..	..	*18	*165
	2020	..	*18	..	..	*18	*161
Nauru	2017	..	3	..	..	3	257
	2018	..	*3	..	..	*3	*244
	2019	..	*3	..	..	*3	*235
	2020	..	*3	..	..	*3	*233
New Caledonia	2017	..	75	..	4	72	253
	2018	..	75	..	3	72	252
	2019	..	66	..	-6	72	252
	2020	..	77	..	7	71	247
New Zealand	2017	1,332	1,002	42	-77	2,369	499
	2018	1,374	984	22	-49	2,385	493
	2019	1,489	953	..	86	2,355	475
	2020	1,229	1,097	..	21	2,304	455
Niue	2017	..	*1	..	..	*1	*380
	2018	..	*1	..	..	*1	*387
	2019	..	*1	..	..	*1	*390
	2020	..	*1	..	..	*1	*396
Northern Mariana Islands	2017	..	*17	..	..	*17	*335
	2018	..	*16	..	..	*16	*318
	2019	..	*16	..	..	*16	*321
	2020	..	*10	..	..	*10	*202
Palau	2017	..	*7	..	..	*7	*392
	2018	..	*8	..	..	*8	*448
	2019	..	*9	..	..	*9	*502
	2020	..	*8	..	..	*8	*445
Papua New Guinea	2017	0	64	..	-16	80	9
	2018	..	19	..	-16	35	4
	2019	..	95	..	0	95	10
	2020	..	37	..	0	37	4
Samoa	2017	..	30	0	*3	27	130
	2018	..	28	0	0	28	134
	2019	..	33	0	*2	30	142
	2020	..	*27	0	0	*27	*127
Solomon Islands	2017	..	*21	..	..	*21	*33
	2018	..	*21	..	..	*21	*33
	2019	..	*22	..	..	*22	*32
	2020	..	*22	..	..	*22	*32

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
Tonga	2017	..	17	..	..	17	160
	2018	..	17	..	..	17	163
	2019	..	25	..	..	25	236
	2020	..	18	..	..	18	169
Tuvalu	2017	..	*1	..	..	*1	*60
	2018	..	*1	..	..	*1	*61
	2019	..	*1	..	..	*1	*62
	2020	..	*1	..	..	*1	*57
Vanuatu	2017	..	6	..	..	6	20
	2018	..	8	..	..	8	26
	2019	..	6	..	..	6	19
	2020	..	9	..	..	9	29
Wallis and Futuna Is.	2017	..	*1	..	..	*1	*102
	2018	..	*1	..	..	*1	*102
	2019	..	*1	..	..	*1	*101
	2020	..	*1	..	..	*1	*108

Production, trade and supply of other kerosene

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 51: Production of other kerosene by region, 1990-2020

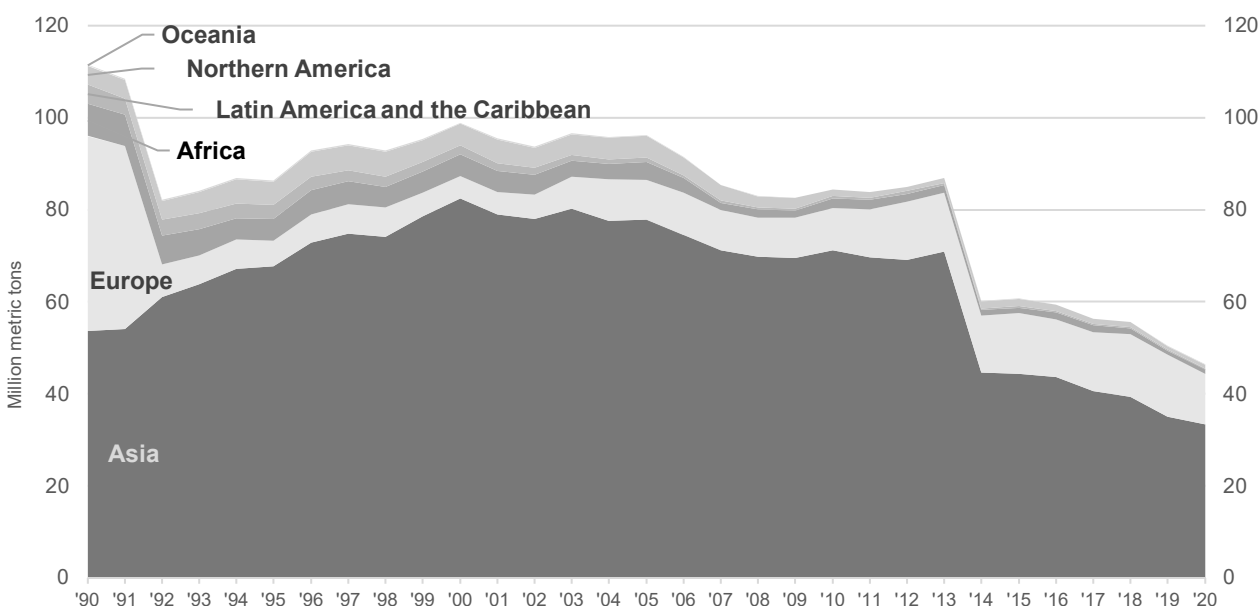


Figure 52: Major other kerosene producing countries, 2020

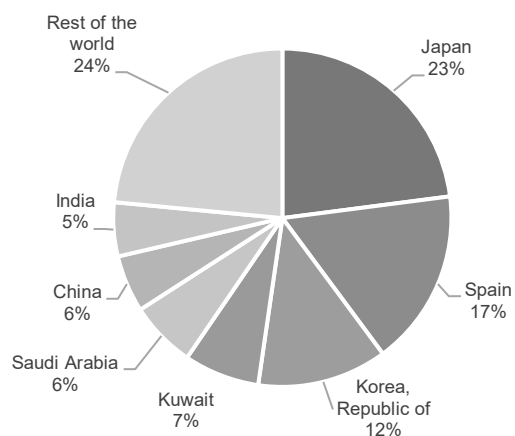


Figure 53: Major other kerosene consuming countries, 2020

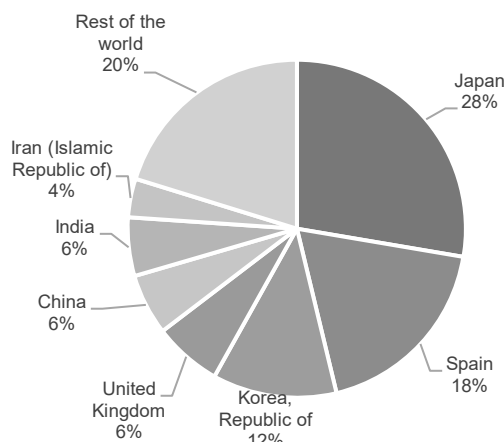


Table 19

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	2017	56,334	7,097	15,674	1,322	46,436	6
	2018	55,673	6,566	15,701	1,960	44,579	6
	2019	50,415	7,143	12,535	1,639	43,384	6
	2020	46,370	8,208	10,746	1,199	42,634	5
Africa	2017	1,494	1,271	248	-74	2,591	2
	2018	1,254	1,079	153	-61	2,241	2
	2019	896	1,266	90	9	2,063	2
	2020	849	1,318	238	-32	1,961	1
Algeria	2017	*17	..	..	..	*17	0
	2018	*18	..	..	..	*18	0
	2019	*15	..	..	..	*15	0
	2020	22	..	..	..	22	1
Angola	2017	52	..	..	..	52	2
	2018	36	..	..	..	36	1
	2019	24	..	..	..	24	1
	2020	143	..	144	*-24	23	1
Benin	2017	..	19	..	-1	20	2
	2018	..	49	..	-1	51	4
	2019	..	23	..	0	23	2
	2020	..	25	..	0	25	2
Botswana	2017	..	4	..	..	4	2
	2018	..	3	..	..	3	1
	2019	..	3	..	..	3	1
	2020	..	2	..	..	2	1
Burkina Faso	2017	..	4	..	*-3	6	0
	2018	..	7	..	*1	6	0
	2019	..	9	..	*2	7	0
	2020	..	5	..	-2	7	0
Cabo Verde	2017	..	0	..	..	0	*1
	2018	..	0	..	..	0	*1
	2019	..	0	..	..	0	*1
	2020	..	0	..	..	0	*1
Cameroon	2017	100	3	5	..	98	4
	2018	90	15	5	..	100	4
	2019	47	58	2	..	103	4
	2020	..	105	..	..	105	4
Central African Rep.	2017	..	*2	..	..	*2	0
	2018	..	*2	..	..	*2	0
	2019	..	*2	..	..	*2	0
	2020	..	*2	..	..	*2	0
Chad	2017	*4	..	*2	..	*2	0
	2018	*4	..	2	..	*2	0
	2019	*4	..	*2	..	*2	0
	2020	*3	..	*1	..	*2	0
Comoros	2017	..	*17	..	..	*17	*23
	2018	..	*17	..	..	*17	*21
	2019	..	*16	..	..	*16	*20
	2020	..	*19	..	..	*19	*24
Congo	2017	7	..	..	..	7	1
	2018	7	..	..	..	7	1
	2019	7	..	..	..	7	1
	2020	4	..	..	..	4	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
Dem. Rep. of the Congo	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	0
Djibouti	2017	..	6	..	..	6	6
	2018	..	7	..	..	7	6
	2019	..	7	..	..	7	6
	2020	..	7	..	..	7	6
Egypt	2017	65	..	59	..	6	0
	2018	33	..	29	..	4	0
	2019	41	..	..	..	41	0
	2020	43	..	39	..	5	0
Equatorial Guinea	2017	..	*18	..	..	*18	*13
	2018	..	*15	..	..	*15	*10
	2019	..	*12	..	..	*12	*8
	2020	..	*28	..	..	*28	*17
Eritrea	2017	..	9	..	..	9	3
	2018	..	8	..	..	8	2
	2019	..	8	..	..	8	2
	2020	..	8	..	..	8	2
Eswatini	2017	..	4	..	..	4	4
	2018	..	4	..	..	4	3
	2019	..	*4	..	..	*4	*3
	2020	..	*4	..	..	*4	*3
Ethiopia	2017	..	74	..	..	74	1
	2018	..	63	..	..	63	1
	2019	..	67	..	..	67	1
	2020	..	69	..	..	69	1
Gabon	2017	22	23	18	..	27	13
	2018	20	23	18	..	25	12
	2019	19	23	18	..	24	11
	2020	23	..	..	..	23	10
Ghana	2017	2	..	..	-9	11	0
	2018	33	..	..	..	33	1
	2019	12	..	..	11	1	0
	2020	35	..	..	-3	38	1
Guinea	2017	..	24	..	..	24	2
	2018	..	21	..	..	21	2
	2019	..	25	..	..	25	2
	2020	..	*26	..	..	*26	*2
Guinea-Bissau	2017	..	*9	..	..	*9	*5
	2018	..	*9	..	..	*9	*5
	2019	..	*10	..	..	*10	*5
	2020	..	*9	..	..	*9	*5
Kenya	2017	0	448	66	..	382	8
	2018	..	339	..	..	339	7
	2019	..	21	..	..	21	0
	2020	..	16	0	..	16	0
Lesotho	2017	..	27	..	..	27	13
	2018	..	28	..	..	28	13
	2019	..	21	..	..	21	10
	2020	..	35	..	..	35	16

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
Libya	2017	24	105	..	..	129	20
	2018	17	93	..	..	110	17
	2019	10	83	..	..	93	14
	2020	11	57	..	..	68	10
Madagascar	2017	..	21	..	-2	23	1
	2018	..	20	..	-3	23	1
	2019	..	20	..	-4	24	1
	2020	..	*25	..	*-3	*28	*1
Malawi	2017	..	1	..	..	1	0
	2018	..	0	..	..	0	0
	2019	..	0	..	..	0	0
	2020	..	1	..	..	1	0
Mali	2017	..	*6	..	..	*6	0
	2018	..	*3	..	..	*3	0
	2019	..	1	..	..	1	0
	2020	..	1	..	..	1	0
Mauritius	2017	..	2	..	1	1	1
	2018	..	3	..	2	1	1
	2019	..	13	..	10	4	3
	2020	..	1	..	0	0	0
Namibia	2017	..	2	..	..	2	1
	2018	..	2	..	..	2	1
	2019	..	2	..	..	2	1
	2020	..	2	..	..	2	1
Niger	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	2	..	..	2	0
Nigeria	2017	502	265	..	..	767	4
	2018	327	159	..	..	486	2
	2019	60	658	..	..	717	4
	2020	0	728	..	..	728	3
Rwanda	2017	..	5	..	*-3	8	1
	2018	..	5	..	*-3	8	1
	2019	..	4	..	..	4	0
	2020	..	4	..	..	4	0
Sao Tome and Principe	2017	..	*4	..	..	*4	*19
	2018	..	*4	..	..	*4	*20
	2019	..	*4	..	..	*4	*20
	2020	..	*4	..	..	*4	*20
Senegal	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	2	..	..	..	2	0
	2020	..	..	..	..	..	..
Seychelles	2017	..	*1	..	..	*1	*9
	2018	..	*1	..	..	*1	*9
	2019	..	*1	..	..	*1	*9
	2020	..	*1	..	..	*1	*8
Sierra Leone	2017	..	*1	..	..	*1	0
	2018	..	*1	..	..	*1	0
	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	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
Somalia	2017	..	*31	..	..	*31	*2
	2018	..	*31	..	..	*31	*2
	2019	..	*31	..	..	*31	*2
	2020	..	*27	..	..	*27	*2
South Africa	2017	619	2	40	..	581	10
	2018	605	2	39	..	568	10
	2019	596	2	39	..	559	10
	2020	504	1	34	..	471	8
South Sudan	2017	..	1	..	..	1	0
	2018	..	2	..	..	2	0
	2019	..	2	..	..	2	0
	2020	..	2	..	..	2	0
Sudan	2017	4	..	57	-62	10	0
	2018	10	..	56	-56	10	0
	2019	*38	..	28	..	*10	0
	2020	30	..	20	..	10	0
Togo	2017	..	9	..	1	8	1
	2018	..	26	..	-1	27	3
	2019	..	17	..	-1	18	2
	2020	..	6	..	-1	7	1
Tunisia	2017	59	0	..	4	55	5
	2018	34	..	..	..	34	3
	2019	11	..	..	-9	20	2
	2020	20	..	..	0	20	2
Uganda	2017	..	46	..	..	46	1
	2018	..	47	..	..	47	1
	2019	..	44	..	..	44	1
	2020	..	37	..	..	37	1
United Rep. of Tanzania	2017	..	21	..	..	21	0
	2018	..	9	..	..	9	0
	2019	..	16	..	..	16	0
	2020	..	27	..	..	27	0
Zambia	2017	18	..	1	..	17	1
	2018	21	..	5	..	15	1
	2019	13	..	2	..	11	1
	2020	9	..	..	..	9	0
Zimbabwe	2017	..	55	..	..	55	4
	2018	..	59	..	..	59	4
	2019	..	57	..	..	57	4
	2020	..	32	..	..	32	2
Asia	2017	40,614	2,571	13,079	1,484	28,622	6
	2018	39,281	2,336	13,464	1,856	26,298	6
	2019	35,011	2,725	10,423	1,654	25,659	6
	2020	33,381	3,119	8,390	1,143	26,967	6
Afghanistan	2017	..	36	..	*12	24	1
	2018	..	12	..	*-11	23	1
	2019	..	*19	..	*-2	*21	*1
	2020	..	*21	..	*1	*20	*1
Armenia	2017	..	0	..	..	0	0
	2018	..	0	..	..	0	0
	2019	..	1	..	..	1	0
	2020	..	1	..	..	1	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
Azerbaijan	2017	..	3	..	..	3	0
	2018	..	23	..	..	23	2
	2019	..	4	..	..	4	0
	2020	..	17	..	..	17	2
Bahrain	2017	0	..	0	-18	18	12
	2018	0	..	0	-16	16	11
	2019	0	..	0	-16	16	11
	2020	..	..	..	-15	15	10
Bangladesh	2017	237	..	..	..	237	1
	2018	127	..	..	..	127	1
	2019	95	..	..	..	95	1
	2020	83	..	..	..	83	0
Bhutan	2017	..	4	..	..	4	5
	2018	..	3	..	..	3	4
	2019	..	2	..	..	2	3
	2020	..	1	..	..	1	2
Brunei Darussalam	2017	6	..	..	..	6	14
	2018	4	..	..	..	4	9
	2019	3	..	..	..	3	7
	2020	5	..	..	..	5	11
China	2017	1,442	43	0	-22	1,507	1
	2018	1,437	65	0	-52	1,554	1
	2019	1,715	842	5	100	2,452	2
	2020	*2,531	..	..	48	*2,482	*2
China, Macao SAR	2017	..	2	..	..	2	3
	2018	..	2	..	..	2	3
	2019	..	2	..	..	2	3
	2020	..	1	..	..	1	1
Cyprus	2017	..	16	..	2	14	12
	2018	..	12	..	0	12	10
	2019	..	12	..	0	12	10
	2020	..	18	..	3	15	12
India	2017	4,408	..	17	..	4,391	3
	2018	4,072	..	19	..	4,053	3
	2019	3,141	..	176	..	2,965	2
	2020	2,393	3	15	..	2,381	2
Indonesia	2017	788	0	0	..	788	3
	2018	779	0	0	..	779	3
	2019	896	37	0	..	933	3
	2020	614	..	..	..	614	2
Iran (Islamic Rep. of)	2017	2,820	..	0	..	2,820	33
	2018	2,895	..	..	..	2,895	34
	2019	2,829	..	..	..	2,829	33
	2020	1,577	..	..	..	1,577	18
Iraq	2017	1,396	217	..	..	1,613	41
	2018	1,447	222	..	..	1,669	41
	2019	1,526	222	..	..	1,748	42
	2020	1,329	226	..	..	1,555	37
Israel	2017	..	373	263	-68	178	21
	2018	..	380	301	-9	88	10
	2019	..	165	300	-12	-123	-14
	2020	..	253	103	16	134	15

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
Japan	2017	12,796	1,569	421	387	13,558	107
	2018	10,780	1,457	568	-94	11,763	93
	2019	10,777	1,276	811	78	11,164	89
	2020	10,655	2,283	1,058	32	11,849	95
Jordan	2017	54	68	..	32	90	9
	2018	11	40	..	-18	69	7
	2019	*35	60	..	..	95	9
	2020	78	5	..	..	83	8
Kazakhstan	2017	0	0	..	..	0	0
	2018	5	1	0	4	2	0
	2019	5	..	0	-12	17	1
	2020	3	1	..	-5	9	0
Korea, Dem.Ppl's.Rep.	2017	37	1	..	..	38	1
	2018	37	1	..	..	38	1
	2019	37	1	..	..	38	1
	2020	37	1	..	..	38	1
Korea, Republic of	2017	2,722	4	685	-58	2,099	41
	2018	2,729	..	846	62	1,821	35
	2019	2,781	5	539	31	2,216	43
	2020	5,745	10	826	-131	5,060	98
Kuwait	2017	4,362	..	4,258	..	104	25
	2018	4,676	..	4,539	..	137	32
	2019	3,965	..	3,832	..	133	30
	2020	3,348	..	3,261	..	87	20
Lao People's Dem. Rep.	2017	..	*6	..	..	*6	*1
	2018	..	*6	..	..	*6	*1
	2019	..	*6	..	..	*6	*1
	2020	..	*6	..	..	*6	*1
Malaysia	2017	10	..	58	-3	-45	-1
	2018	18	..	50	8	-40	-1
	2019	17	0	85	..	-68	-2
	2020	7	0	47	..	-39	-1
Maldives	2017	..	0	..	..	0	1
	2018	..	0	..	..	0	0
	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	0
Nepal	2017	..	17	..	..	17	1
	2018	..	19	..	..	19	1
	2019	..	14	..	..	14	0
	2020	..	18	..	..	18	1
Oman	2017	4	..	..	..	4	1
	2018	3	..	..	..	3	1
	2019	2	..	..	..	2	0
	2020	1	..	..	..	1	0
Other Asia	2017	2	..	..	-3	5	0
	2018	5	..	..	1	4	0
	2019	2	..	..	0	2	0
	2020	4	..	..	0	4	0
Pakistan	2017	115	0	..	..	115	1
	2018	113	..	..	-5	118	1
	2019	107	0	..	..	107	0
	2020	83	..	..	*4	87	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
Philippines	2017	53	41	0	-3	97	1
	2018	47	34	..	2	79	1
	2019	33	17	..	-4	54	0
	2020	24	39	..	-4	67	1
Saudi Arabia	2017	7,332	105	*7,145	-218	510	15
	2018	7,758	..	6,871	292	595	17
	2019	*4,804	..	*4,410	*-121	*514	*14
	2020	*2,949	128	*2,946	*-85	*215	*6
Singapore	2017	205	18	223	..	0	0
	2018	250	15	266	..	0	0
	2019	256	7	263	..	0	0
	2020	223	43	126	..	140	24
Sri Lanka	2017	60	..	..	-99	159	7
	2018	35	..	..	-7	42	2
	2019	38	..	..	1	37	2
	2020	109	..	..	-5	114	5
State of Palestine	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	2	..	..	2	0
Syrian Arab Republic	2017	3	..	..	..	3	0
	2018	4	..	..	..	4	0
	2019	3	..	..	..	3	0
	2020	3	..	..	..	3	0
Thailand	2017	1,557	..	9	1,541	6	0
	2018	1,694	..	4	1,684	6	0
	2019	1,619	..	2	1,611	6	0
	2020	1,306	..	6	1,295	5	0
Timor-Leste	2017	..	..	..	..	..	..
	2018	..	1	..	..	1	1
	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	0
Türkiye	2017	19	..	..	4	15	0
	2018	23	..	..	15	8	0
	2019	10	..	..	1	9	0
	2020	6	..	..	-2	8	0
Turkmenistan	2017	150	..	..	..	150	25
	2018	150	..	..	..	150	25
	2019	150	..	..	..	150	24
	2020	150	..	..	..	150	24
Uzbekistan	2017	9	..	..	..	9	0
	2018	9	..	..	..	9	0
	2019	6	..	..	0	6	0
	2020	4	..	..	..	4	0
Viet Nam	2017	..	49	..	..	49	1
	2018	..	43	1	..	42	0
	2019	..	32	..	..	32	0
	2020	..	43	1	..	42	0
Yemen	2017	28	..	..	..	28	1
	2018	173	..	..	..	173	6
	2019	160	..	..	..	160	5
	2020	112	..	..	..	112	3

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
Europe	2017	12,790	2,687	2,009	-58	13,525	18
	2018	13,624	2,713	1,866	117	14,354	19
	2019	13,482	2,356	1,790	-55	14,103	19
	2020	11,075	3,172	1,830	118	12,299	16
Austria	2017	15	1	0	0	16	2
	2018	26	1	0	0	26	3
	2019	15	1	0	0	15	2
	2020	13	0	0	0	14	2
Belarus	2017	7	..	3	2	2	0
	2018	7	..	0	2	5	1
	2019	14	..	5	7	2	0
	2020	10	..	..	8	2	0
Belgium	2017	31	58	166	5	-81	-7
	2018	30	64	302	-10	-198	-17
	2019	25	63	313	-11	-213	-19
	2020	26	55	195	-3	-112	-10
Croatia	2017	..	3	..	..	3	1
	2018	..	3	..	..	3	1
	2019	..	2	..	..	2	0
	2020	..	2	..	..	2	0
Czechia	2017	..	2	..	..	2	0
	2018	..	2	..	..	2	0
	2019	..	2	..	..	2	0
	2020	..	2	..	..	2	0
Finland	2017	..	140	120	..	20	4
	2018	..	380	54	..	326	59
	2019	..	493	110	..	383	69
	2020	..	607	104	..	503	91
France	2017	..	211	75	..	136	2
	2018	..	186	66	0	120	2
	2019	..	210	72	0	138	2
	2020	..	195	194	0	1	0
Germany	2017	9	22	..	5	26	0
	2018	2	22	..	-4	28	0
	2019	4	19	..	-2	25	0
	2020	..	20	..	-1	21	0
Greece	2017	0	1	0	-1	1	0
	2018	..	1	..	0	1	0
	2019	..	1	..	0	1	0
	2020	..	1	..	0	1	0
Ireland	2017	158	359	0	-10	527	111
	2018	215	350	21	-12	556	115
	2019	307	330	70	-16	583	119
	2020	277	357	10	7	617	125
Italy	2017	487	655	662	1	479	8
	2018	721	445	647	85	434	7
	2019	471	265	312	-11	434	7
	2020	333	529	555	40	267	4
Luxembourg	2017	..	1	..	0	0	1
	2018	..	0	..	0	0	1
	2019	..	1	..	0	1	1
	2020	..	1	..	0	1	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
Malta	2017	..	1	..	0	1	1
	2018	..	1	..	0	1	1
	2019	..	1	0	0	1	1
	2020	..	1	..	0	0	1
Netherlands	2017	398	392	520	28	242	14
	2018	211	518	321	5	403	23
	2019	305	402	412	-12	307	18
	2020	260	312	242	64	266	15
Norway	2017	85	48	93	-1	41	8
	2018	7	68	62	3	10	2
	2019	40	58	52	0	45	8
	2020	13	44	15	0	42	8
Poland	2017	0	1	0	0	1	0
	2018	0	1	0	0	1	0
	2019	0	0	..	0	0	0
	2020	0	0	0	0	0	0
Portugal	2017	0	1	..	0	1	0
	2018	0	0	..	0	1	0
	2019	0	0	..	0	0	0
	2020	0	0	..	0	1	0
Romania	2017	1	1	0	0	1	0
	2018	1	1	0	0	2	0
	2019	1	1	0	0	1	0
	2020	0	1	0	0	1	0
Russian Federation	2017	*252	..	252	..	0	0
	2018	*315	..	315	..	0	0
	2019	*428	..	428	..	0	0
	2020	*400	..	*400	..	0	0
Spain	2017	9,300	..	..	-28	9,328	200
	2018	10,038	..	..	46	9,992	214
	2019	9,816	..	..	-10	9,826	208
	2020	7,839	..	..	-46	7,885	166
Switzerland	2017	..	2	..	..	2	0
	2018	..	2	0	..	2	0
	2019	..	2	0	0	2	0
	2020	..	2	0	..	2	0
Ukraine	2017	..	*142	*16	..	*126	*3
	2018	..	..	..	..	..	..
	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
United Kingdom	2017	2,047	648	102	-59	2,651	40
	2018	2,053	667	78	2	2,640	40
	2019	2,057	508	16	..	2,549	38
	2020	1,903	1,044	114	49	2,784	42
Latin America & Carib.	2017	293	267	41	2	517	1
	2018	295	232	17	-2	513	1
	2019	254	258	4	5	503	1
	2020	224	220	3	4	437	1
Argentina	2017	10	..	..	-2	12	0
	2018	9	..	..	-2	11	0
	2019	8	..	..	-1	9	0
	2020	9	..	..	..	9	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
Bahamas	2017	..	*3	..	..	*3	*8
	2018	..	*3	..	..	*3	*8
	2019	..	*3	..	..	*3	*8
	2020	..	*3	..	..	*3	*8
Barbados	2017	..	*9	..	0	*9	*33
	2018	..	*10	..	..	*10	*34
	2019	..	*10	..	..	*10	*36
	2020	..	*8	..	..	*8	*29
Belize	2017	..	0	..	..	0	0
	2018	..	0	..	..	0	0
	2019	..	0	..	..	0	1
	2020	..	0	..	..	0	1
Bolivia (Plur. State of)	2017	16	..	..	0	16	1
	2018	18	..	..	0	18	2
	2019	20	..	..	0	20	2
	2020	14	..	..	0	14	1
Brazil	2017	5	..	..	..	5	0
	2018	5	..	..	..	5	0
	2019	5	..	..	..	5	0
	2020	4	..	..	..	4	0
British Virgin Islands	2017	..	*3	..	..	*3	*106
	2018	..	*3	..	..	*3	*99
	2019	..	*3	..	..	*3	*101
	2020	..	*3	..	..	*3	*97
Chile	2017	161	15	..	4	172	9
	2018	162	..	..	1	161	9
	2019	161	..	..	3	159	8
	2020	153	..	..	-2	156	8
Colombia	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	5	..	..	..	5	0
	2020	1	..	..	..	1	0
Cuba	2017	3	*78	..	..	*81	*7
	2018	7	*74	..	..	*80	*7
	2019	1	*72	..	..	*73	*6
	2020	4	*70	..	..	*74	*7
Dominica	2017	..	0	..	0	0	*6
	2018	..	0	..	0	0	*6
	2019	..	0	..	0	0	*6
	2020	..	0	..	0	0	*3
Dominican Republic	2017	6	..	..	0	6	1
	2018	8	..	..	0	8	1
	2019	16	..	..	..	16	1
	2020	7	..	..	..	7	1
El Salvador	2017	..	1	..	..	1	0
	2018	..	4	..	..	4	1
	2019	..	22	..	..	22	4
	2020	..	3	..	..	3	0
Falkland Is. (Malvinas)	2017	..	3	..	..	3	759
	2018	..	3	..	..	3	805
	2019	..	3	..	..	3	853
	2020	..	3	..	..	3	822

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
Grenada	2017	..	0	..	..	0	1
	2018	..	0	..	..	0	1
	2019	..	0	..	..	0	1
	2020	..	0	..	..	0	0
Guatemala	2017	0	41	41	-1	1	0
	2018	..	17	17	0	1	0
	2019	..	10	4	2	4	0
	2020	..	8	3	4	0	0
Guyana	2017	..	15	..	1	13	18
	2018	..	15	..	2	13	17
	2019	..	16	..	3	13	16
	2020	..	10	..	-1	11	14
Haiti	2017	..	72	..	..	72	7
	2018	..	73	..	..	73	7
	2019	..	73	..	..	73	7
	2020	..	71	..	..	71	6
Honduras	2017	..	17	..	1	17	2
	2018	..	21	..	-3	24	2
	2019	..	22	..	..	22	2
	2020	..	19	..	2	17	2
Montserrat	2017	..	0	..	..	0	*85
	2018	..	0	..	..	0	*92
	2019	..	0	..	..	0	*89
	2020	..	0	..	..	0	*89
Nicaragua	2017	8	..	..	..	8	1
	2018	8	..	..	..	8	1
	2019	6	..	..	..	6	1
	2020	5	..	..	..	5	1
Panama	2017	..	1	..	..	1	0
	2018	..	1	..	..	1	0
	2019	..	1	..	..	1	0
	2020	..	1	..	..	1	0
St. Kitts-Nevis	2017	..	*5	..	..	*5	*113
	2018	..	*6	..	..	*6	*115
	2019	..	*6	..	..	*6	*119
	2020	..	*5	..	..	*5	*111
St. Lucia	2017	..	1	..	..	1	8
	2018	..	2	..	..	2	8
	2019	..	*2	..	..	*2	*9
	2020	..	*2	..	..	*2	*10
Suriname	2017	..	0	..	..	0	1
	2018	..	0	..	..	0	1
	2019	..	0	..	..	0	1
	2020	..	0	..	..	0	1
Trinidad and Tobago	2017	29	..	..	..	29	19
	2018	24	..	..	..	24	16
	2019	..	14	..	..	14	9
	2020	..	13	..	..	13	9
Uruguay	2017	5	..	..	0	5	1
	2018	5	..	..	0	5	2
	2019	4	..	..	-1	5	1
	2020	6	..	..	1	5	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
Venezuela (Bolivar. Rep.)	2017	51	..	..	..	51	2
	2018	49	..	..	..	49	2
	2019	28	..	..	..	28	1
	2020	20	..	..	..	20	1
Northern America	2017	1,091	273	296	-33	1,101	3
	2018	1,162	177	202	49	1,088	3
	2019	720	511	228	27	977	3
	2020	789	361	285	-34	898	2
Bermuda	2017	..	15	..	..	15	243
	2018	..	30	..	..	30	475
	2019	..	26	..	..	26	405
	2020	..	12	..	..	12	188
Canada	2017	756	72	4	-10	834	23
	2018	728	67	..	-19	814	22
	2019	247	394	..	-7	648	17
	2020	218	301	..	13	507	13
United States	2017	335	185	292	-23	252	1
	2018	434	80	202	68	244	1
	2019	473	92	228	34	303	1
	2020	571	47	285	-47	380	1
Oceania	2017	52	29	0	1	79	2
	2018	56	30	0	1	85	2
	2019	52	26	0	0	77	2
	2020	53	17	0	-1	71	2
Australia	2017	7	4	..	0	11	0
	2018	6	2	..	2	5	0
	2019	..	2	..	-2	4	0
	2020	..	6	..	..	6	0
Fiji	2017	..	0	..	..	0	0
	2018	..	*1	..	..	*1	*1
	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	0
French Polynesia	2017	..	1	..	..	1	3
	2018	..	1	..	..	1	3
	2019	..	1	..	..	1	2
	2020	..	1	..	..	1	3
Kiribati	2017	..	2	..	..	2	18
	2018	..	*2	..	..	*2	*17
	2019	..	*2	..	..	*2	*15
	2020	..	*2	..	..	*2	*15
New Caledonia	2017	..	5	..	..	5	19
	2018	..	10	..	..	10	36
	2019	..	2	..	..	2	7
	2020	..	1	..	..	1	4
Palau	2017	..	*2	..	..	*2	*118
	2018	..	*2	..	..	*2	*118
	2019	..	*2	..	..	*2	*117
	2020	..	*2	..	..	*2	*111
Papua New Guinea	2017	45	..	..	..	45	5
	2018	51	..	..	..	51	5
	2019	52	..	..	..	52	5
	2020	53	..	..	..	53	5

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
Samoa	2017	..	14	0	*1	13	62
	2018	..	12	0	*-1	13	61
	2019	..	15	0	*2	13	61
	2020	..	*5	0	*-1	*6	*26
Tonga	2017	..	0	..	..	0	1
	2018	..	0	..	..	0	1
	2019	..	0	..	..	0	1
	2020	..	0	..	..	0	2
Tuvalu	2017	..	0	..	..	0	*4
	2018	..	0	..	..	0	*4
	2019	..	0	..	..	0	*4
	2020	..	0	..	..	0	*4
Vanuatu	2017	..	0	..	..	0	0
	2018	..	0	..	..	0	0
	2019	..	2	..	..	2	5
	2020	..	0	..	..	0	0

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.

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, 1990-2020

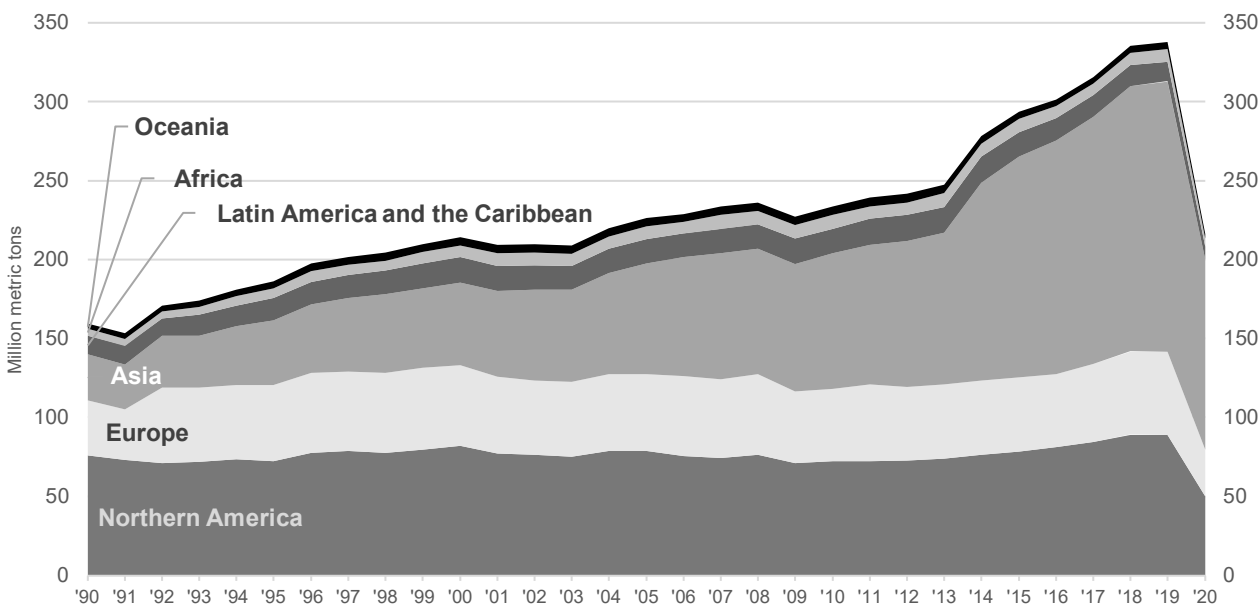


Figure 55: Major jet fuels producing countries, 2020

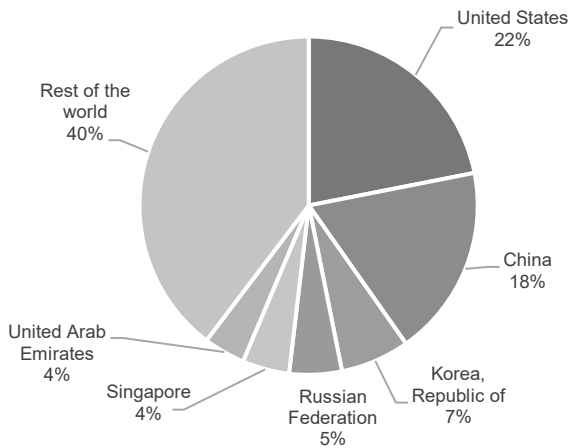
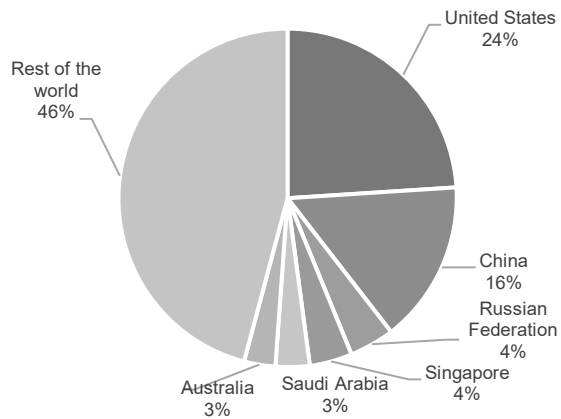


Figure 56: Major jet fuels consuming¹ countries, 2020



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	2017	315,582	93,182	94,827	184,857	-220	129,300	17
	2018	335,292	94,857	101,998	192,746	2,190	133,216	17
	2019	337,912	92,715	98,278	196,682	843	134,824	17
	2020	216,354	59,756	66,347	99,052	1,141	109,570	14
Africa	2017	7,297	5,735	2,889	8,409	-49	1,784	1
	2018	7,624	6,012	3,184	8,418	6	2,029	2
	2019	8,099	5,710	2,962	8,485	32	2,330	2
	2020	5,470	3,923	2,952	4,743	-90	1,788	1
Algeria	2017	*1,544	..	1,102	*355	*-35	*122	*3
	2018	*1,497	..	953	*434	*-31	*141	*3
	2019	1,221	..	682	472	-1	68	2
	2020	992	..	715	208	-10	79	2
Angola	2017	350	33	*89	300	..	-6	0
	2018	228	92	*45	294	..	-19	-1
	2019	305	..	*23	292	..	-10	0
	2020	139	..	27	76	..	36	1
Benin	2017	..	26	..	29	-4	1	0
	2018	..	30	..	30	0	0	0
	2019	..	27	..	21	6	0	0
	2020	..	7	..	16	-8	0	0
Botswana	2017	..	19	..	11	..	8	3
	2018	..	27	..	12	..	15	6
	2019	..	28	..	12	..	16	6
	2020	..	5	..	5	..	0	0
Burkina Faso	2017	..	27	..	27	*-1	0	0
	2018	..	33	..	30	*3	0	0
	2019	..	27	..	30	*-4	0	0
	2020	..	18	..	18	0	0	0
Burundi	2017	..	4	..	4	..	0	0
	2018	..	5	..	5	..	0	0
	2019	..	5	..	5	..	0	0
	2020	..	2	..	2	..	0	0
Cabo Verde	2017	..	*62	..	*48	..	*14	*24
	2018	..	*64	..	*51	..	*14	*24
	2019	..	*65	..	*50	..	*15	*25
	2020	..	*58	..	*45	..	*14	*23
Cameroon	2017	87	8	68	17	..	10	0
	2018	79	10	62	16	..	12	0
	2019	41	16	32	16	..	8	0
	2020	..	11	..	7	..	3	0
Central African Rep.	2017	..	*16	..	16	..	0	0
	2018	..	*17	..	17	..	0	0
	2019	..	*17	..	*17	..	0	0
	2020	..	*18	..	*18	..	0	0
Chad	2017	*36	*3	*3	26	..	*10	*1
	2018	*38	*3	*3	28	..	*11	*1
	2019	*35	*3	*3	25	..	*10	*1
	2020	*33	*2	*3	*23	..	*9	*1
Comoros	2017	..	*5	..	*1	..	*4	*5
	2018	..	*7	..	*2	..	*5	*7
	2019	..	*7	..	*2	..	*6	*7
	2020	..	*9	..	*2	..	*7	*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
Congo	2017	37	9	..	31	..	15	3
	2018	38	9	..	32	..	15	3
	2019	38	9	..	32	..	15	3
	2020	33	8	..	28	..	13	2
Côte d'Ivoire	2017	*327	..	*148	*166	..	*13	*1
	2018	359	..	180	150	..	29	1
	2019	552	..	366	172	..	14	1
	2020	236	..	162	60	..	14	1
Dem. Rep. of the Congo	2017	..	117	..	117	..	0	0
	2018	..	134	..	134	..	0	0
	2019	..	121	..	121	..	0	0
	2020	..	110	..	110	..	0	0
Djibouti	2017	..	*81	..	*81	..	0	0
	2018	..	*81	..	*81	..	0	0
	2019	..	*81	..	*81	..	0	0
	2020	..	76	..	*76	..	0	0
Egypt	2017	1,909	28	772	443	..	722	7
	2018	2,162	0	962	624	..	576	6
	2019	2,744	..	1,205	787	..	752	7
	2020	2,261	..	1,386	520	..	356	3
Equatorial Guinea	2017	..	*49	..	49	..	0	0
	2018	..	*44	..	44	..	0	0
	2019	..	*42	..	42	..	0	0
	2020	..	*31	..	31	..	0	0
Eritrea	2017	..	9	..	8	-1	1	0
	2018	..	14	..	14	..	0	0
	2019	..	11	..	9	..	2	0
	2020	..	4	..	3	..	1	0
Eswatini	2017	..	2	..	2	..	0	0
	2018	..	2	..	2	..	0	0
	2019	..	2	..	2	..	0	0
	2020	..	*1	..	*1	..	0	0
Ethiopia	2017	..	690	..	682	..	8	0
	2018	..	737	..	728	..	9	0
	2019	..	739	..	730	..	9	0
	2020	..	444	..	440	..	4	0
Gabon	2017	36	42	23	46	..	9	4
	2018	33	40	21	37	..	15	7
	2019	31	39	19	43	..	8	4
	2020	39	19	17	31	..	10	4
Gambia	2017	..	23	*1	*22	..	0	0
	2018	..	20	*1	*19	..	0	0
	2019	..	21	*1	*20	..	0	0
	2020	..	*19	*1	*18	..	0	0
Ghana	2017	0	189	..	143	..	46	2
	2018	22	191	10	174	..	28	1
	2019	80	188	..	212	34	21	1
	2020	28	87	..	120	-20	14	0
Guinea	2017	..	37	..	*32	..	5	0
	2018	..	*35	..	*30	..	*5	0
	2019	..	47	..	*42	..	5	0
	2020	..	30	..	*26	..	3	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	2017	..	*13	..	*13	..	0	0
	2018	..	*13	..	*13	..	0	0
	2019	..	*13	..	*13	..	0	0
	2020	..	*13	..	*13	..	0	0
Kenya	2017	0	763	0	762	..	1	0
	2018	..	675	..	674	..	1	0
	2019	..	487	0	705	..	-218	-4
	2020	..	682	0	392	..	289	6
Liberia	2017	..	*13	..	*6	..	*7	*2
	2018	..	*13	..	*6	..	*8	*2
	2019	..	*13	..	*6	..	*8	*2
	2020	..	*10	..	*4	..	*6	*1
Libya	2017	455	..	384	56	..	15	2
	2018	646	..	585	46	..	15	2
	2019	421	..	360	49	..	11	2
	2020	170	..	138	17	..	14	2
Madagascar	2017	..	47	..	39	*-1	9	0
	2018	..	55	..	45	-1	11	0
	2019	..	57	..	48	-4	12	0
	2020	..	*41	..	*25	*-2	*19	*1
Malawi	2017	..	8	..	*7	..	1	0
	2018	..	9	..	*8	..	1	0
	2019	..	5	..	*4	..	1	0
	2020	..	2	..	*1	..	1	0
Mali	2017	..	*62	..	*62	..	0	0
	2018	..	*59	..	*59	..	0	0
	2019	..	62	..	62	..	0	0
	2020	..	61	..	61	..	0	0
Mauritania	2017	..	10	..	20	*-11	1	0
	2018	..	57	..	22	*33	1	0
	2019	..	39	..	20	*17	1	0
	2020	..	24	..	12	*11	1	0
Mauritius	2017	..	310	..	154	2	154	119
	2018	..	304	..	156	9	139	107
	2019	..	287	..	147	-6	147	113
	2020	..	71	..	56	-41	56	43
Morocco	2017	..	717	..	678	14	25	1
	2018	..	743	..	734	-18	27	1
	2019	..	818	..	775	11	32	1
	2020	..	276	..	278	-14	12	0
Mozambique	2017	..	58	..	27	..	31	1
	2018	..	55	..	25	..	29	1
	2019	..	62	..	26	..	36	1
	2020	..	24	..	14	..	10	0
Namibia	2017	..	43	..	37	..	6	3
	2018	..	42	..	37	..	5	2
	2019	..	42	..	36	..	6	2
	2020	..	14	..	11	..	2	1
Niger	2017	0	57	..	*57	..	0	0
	2018	3	45	..	*45	..	3	0
	2019	0	46	..	*46	..	0	0
	2020	0	56	..	*56	..	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
Nigeria	2017	54	636	..	505	..	186	1
	2018	27	820	..	650	..	197	1
	2019	5	704	..	460	..	250	1
	2020	0	525	..	341	..	184	1
Rwanda	2017	..	51	..	*30	..	21	2
	2018	..	54	..	*30	..	24	2
	2019	..	46	..	*24	..	22	2
	2020	..	30	..	*16	..	14	1
Sao Tome and Principe	2017	..	*6	..	*5	..	*1	*5
	2018	..	*6	..	*5	..	*1	*5
	2019	..	*5	..	*3	..	*1	*6
	2020	..	*5	..	*4	..	*1	*5
Senegal	2017	0	227	..	222	0	5	0
	2018	..	212	..	202	*6	4	0
	2019	..	192	..	192	*-8	8	1
	2020	..	143	..	138	..	5	0
Seychelles	2017	..	60	..	*52	..	8	75
	2018	..	32	..	*28	..	4	39
	2019	..	50	..	*43	..	6	61
	2020	..	*41	..	36	..	*5	*49
Sierra Leone	2017	..	*3	..	*3	..	0	0
	2018	..	*5	..	5	..	0	0
	2019	..	*3	..	4	..	-1	0
	2020	..	*2	..	2	..	*1	0
Somalia	2017	..	*43	..	43	..	0	0
	2018	..	*43	..	43	..	0	0
	2019	..	*43	..	43	..	0	0
	2020	..	*38	..	*38	..	0	0
South Africa	2017	2,379	372	299	2,152	..	299	5
	2018	2,444	334	363	1,734	..	680	12
	2019	2,587	387	270	1,675	..	1,028	18
	2020	1,503	485	503	*894	..	591	10
South Sudan	2017	..	78	..	74	..	5	0
	2018	..	79	..	74	..	5	0
	2019	..	89	..	83	..	5	0
	2020	..	59	..	54	..	4	0
Sudan	2017	82	52	..	*134	..	0	0
	2018	38	80	..	*118	..	0	0
	2019	*39	*81	..	*120	..	0	0
	2020	*38	*48	..	*86	..	0	0
Togo	2017	..	52	..	54	-2	0	0
	2018	..	59	..	62	-3	0	0
	2019	..	58	..	56	-1	3	0
	2020	..	58	..	53	-1	6	1
Tunisia	2017	..	250	..	251	-10	9	1
	2018	..	284	..	284	8	-8	-1
	2019	..	302	..	300	-12	15	1
	2020	..	91	..	101	-5	-5	0
Uganda	2017	..	102	..	102	..	0	0
	2018	..	108	..	108	..	0	0
	2019	..	106	..	106	..	0	0
	2020	..	56	..	56	..	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
United Rep. of Tanzania	2017	..	154	..	133	..	21	0
	2018	..	157	..	130	..	27	0
	2019	..	144	..	123	..	21	0
	2020	..	88	..	67	..	21	0
Zambia	2017	0	23	..	26	..	-2	0
	2018	11	18	..	29	..	0	0
	2019	2	26	..	29	..	-2	0
	2020	0	4	..	17	..	-12	-1
Zimbabwe	2017	..	49	..	49	..	0	0
	2018	..	60	..	60	..	0	0
	2019	..	51	..	51	..	0	0
	2020	..	18	..	18	..	0	0
Asia	2017	156,815	27,862	60,315	77,866	943	45,554	10
	2018	167,862	27,127	63,211	82,216	1,430	48,132	10
	2019	171,371	22,209	60,821	83,248	343	49,169	11
	2020	120,432	14,641	41,935	40,160	231	52,746	11
Afghanistan	2017	..	338	..	*61	..	277	8
	2018	..	299	..	*54	..	245	7
	2019	..	53	..	*10	..	44	1
	2020	..	64	..	*12	..	53	1
Armenia	2017	..	54	..	54	..	0	0
	2018	..	62	..	62	..	0	0
	2019	..	69	..	69	..	0	0
	2020	..	37	..	37	..	0	0
Azerbaijan	2017	588	82	181	159	-1	331	33
	2018	708	96	305	109	30	361	36
	2019	667	67	120	313	1	300	29
	2020	519	..	49	336	2	132	13
Bahrain	2017	3,116	..	2,678	447	-36	27	19
	2018	3,116	..	2,559	483	38	36	24
	2019	3,097	..	2,533	508	33	23	15
	2020	2,326	..	2,068	287	-71	42	28
Bangladesh	2017	1	394	..	377	..	18	0
	2018	1	407	..	408	..	0	0
	2019	..	430	..	430	..	0	0
	2020	1	344	..	345	..	0	0
Bhutan	2017	..	3	..	*3	..	0	0
	2018	..	4	..	*4	..	0	0
	2019	..	4	..	*4	..	0	0
	2020	..	1	..	*1	..	0	0
Brunei Darussalam	2017	46	30	0	71	2	3	7
	2018	55	26	0	81	..	0	0
	2019	248	55	144	108	51	0	0
	2020	334	118	313	38	25	76	173
Cambodia	2017	..	149	..	103	..	46	3
	2018	..	202	..	152	..	50	3
	2019	..	225	..	159	..	66	4
	2020	..	60	..	42	..	18	1
China	2017	41,797	3,714	13,132	9,285	-127	23,221	16
	2018	47,216	4,062	14,670	10,097	565	25,946	18
	2019	52,502	2,826	17,610	10,590	..	27,128	19
	2020	*39,713	2,657	9,975	4,771	..	*27,625	*19

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
China, Hong Kong SAR	2017	..	6,305	0	6,620	-326	11	1
	2018	..	6,691	0	6,838	-156	8	1
	2019	..	6,080	..	6,187	-113	6	1
	2020	..	3,297	..	3,379	-88	6	1
Cyprus	2017	..	290	0	298	-8	0	0
	2018	..	306	..	308	2	-4	-3
	2019	..	298	..	295	-5	8	7
	2020	..	98	..	90	3	5	4
Georgia	2017	..	101	..	95	5	1	0
	2018	..	102	..	103	-1	0	0
	2019	..	102	..	101	0	1	0
	2020	..	57	..	55	1	0	0
India	2017	14,594	291	7,183	*3,792	*10	3,900	3
	2018	*15,461	*259	*7,389	*4,129	*98	*4,104	*3
	2019	*15,212	*65	*6,906	*3,979	71	*4,321	*3
	2020	*7,077	..	*3,544	*1,277	211	*2,045	*1
Indonesia	2017	2,613	1,673	2	964	..	3,320	13
	2018	2,993	1,231	2	1,033	..	3,188	12
	2019	3,389	227	102	916	0	2,598	10
	2020	2,446	29	363	442	..	1,670	6
Iran (Islamic Rep. of)	2017	1,592	*1	..	*689	..	904	11
	2018	1,633	*1	..	795	..	839	10
	2019	1,597	*1	..	844	..	753	9
	2020	895	0	..	310	..	586	7
Iraq	2017	247	392	..	639	..	0	0
	2018	212	405	..	565	..	53	1
	2019	235	408	..	602	..	42	1
	2020	106	197	..	282	..	21	0
Israel	2017	1,127	..	..	1,021	..	107	13
	2018	1,325	..	..	1,087	..	238	28
	2019	1,420	..	..	1,122	..	298	35
	2020	557	..	..	408	..	149	17
Japan	2017	11,501	1,262	2,071	6,652	-59	4,099	32
	2018	12,194	1,184	2,495	6,840	9	4,033	32
	2019	12,238	1,170	2,451	6,866	7	4,085	32
	2020	5,045	485	748	2,637	-101	2,246	18
Jordan	2017	287	125	..	63	20	329	32
	2018	319	67	..	57	-13	341	33
	2019	163	305	..	*86	..	382	36
	2020	143	0	..	*43	..	100	9
Kazakhstan	2017	302	263	17	*477	7	64	3
	2018	387	232	21	615	-1	-16	-1
	2019	629	40	26	619	24	-1	0
	2020	444	21	6	317	-9	150	8
Korea, Republic of	2017	21,944	..	15,160	4,742	179	1,863	36
	2018	21,571	..	14,560	4,996	79	1,936	37
	2019	21,544	0	14,480	5,300	104	1,660	32
	2020	14,199	1	10,118	2,832	-320	1,569	30
Kuwait	2017	1,731	..	821	909	..	0	0
	2018	1,855	..	941	914	..	0	0
	2019	1,573	..	635	938	..	0	0
	2020	1,328	..	902	426	..	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
Kyrgyzstan	2017	..	80	57	19	1	3	0
	2018	..	75	67	4	-2	6	1
	2019	..	63	55	*5	-3	6	1
	2020	..	66	57	*2	6	1	0
Lao People's Dem. Rep.	2017	..	46	..	36	..	10	1
	2018	..	69	..	58	..	11	2
	2019	..	*49	..	*36	..	*13	*2
	2020	..	*48	..	*36	..	*12	*2
Lebanon	2017	..	270	..	*270	..	0	0
	2018	..	264	..	*264	..	0	0
	2019	..	270	..	*270	..	0	0
	2020	..	*258	..	*258	..	0	0
Malaysia	2017	3,152	1,167	1,288	2,494	-3	540	17
	2018	3,342	517	801	2,418	1	639	20
	2019	3,165	818	835	2,620	..	529	16
	2020	3,226	1,225	1,779	626	..	2,046	62
Maldives	2017	..	42	..	*20	..	22	46
	2018	..	39	..	*20	..	19	39
	2019	..	43	..	*21	..	22	43
	2020	..	22	..	*10	..	12	23
Mongolia	2017	..	34	..	27	..	7	2
	2018	..	40	..	37	..	3	1
	2019	..	47	..	*40	..	7	2
	2020	..	19	..	*16	..	4	1
Myanmar	2017	15	191	..	71	-2	137	3
	2018	11	172	..	70	1	112	2
	2019	12	201	..	72	..	141	3
	2020	8	85	..	16	..	77	1
Nepal	2017	..	153	..	127	..	26	1
	2018	..	155	..	124	..	31	1
	2019	..	106	..	90	..	16	1
	2020	..	56	..	46	..	10	0
Oman	2017	923	..	282	557	..	84	18
	2018	1,715	..	1,111	418	..	186	40
	2019	1,804	..	1,053	605	..	146	32
	2020	901	..	636	152	..	113	25
Other Asia	2017	3,780	106	829	2,845	-11	223	9
	2018	4,087	148	959	2,908	1	367	15
	2019	4,111	36	932	3,006	-84	294	12
	2020	3,226	74	791	1,865	-5	649	27
Pakistan	2017	914	250	220	*250	..	693	3
	2018	783	222	171	*209	..	625	3
	2019	799	184	41	*250	..	692	3
	2020	*852	146	32	259	..	*707	*3
Philippines	2017	913	1,149	..	1,601	-2	463	4
	2018	1,040	1,201	..	1,647	38	556	5
	2019	810	1,506	..	1,640	-20	695	6
	2020	343	439	..	575	-45	252	2
Qatar	2017	5,230	..	1,249	3,294	687	0	0
	2018	5,858	..	1,248	4,332	278	0	0
	2019	5,532	..	929	4,603	0	0	0
	2020	4,626	..	795	3,075	757	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
Saudi Arabia	2017	4,321	..	270	3,070	..	981	29
	2018	4,572	..	325	3,446	..	801	23
	2019	*4,043	..	*288	2,764	..	*991	*28
	2020	6,861	..	*195	3,592	-106	3,180	88
Singapore	2017	11,864	2,930	7,038	*7,537	..	219	38
	2018	11,862	1,300	5,018	*8,144	..	0	0
	2019	11,347	1,278	4,731	*7,893	..	0	0
	2020	9,641	2,010	3,155	1,953	..	6,543	1,107
Sri Lanka	2017	236	282	..	540	-31	9	0
	2018	237	461	..	501	-28	225	10
	2019	259	398	..	473	-4	187	9
	2020	157	101	..	187	11	61	3
Syrian Arab Republic	2017	194	..	92	10	..	92	5
	2018	245	..	114	13	..	119	6
	2019	210	..	108	10	..	92	5
	2020	192	..	97	9	..	86	4
Tajikistan	2017	..	18	..	18	..	0	0
	2018	..	29	..	29	..	0	0
	2019	..	40	..	40	..	0	0
	2020	..	24	..	24	..	0	0
Thailand	2017	5,573	37	568	4,555	-13	500	7
	2018	6,097	42	756	4,779	64	541	8
	2019	5,710	286	625	4,915	8	447	6
	2020	2,553	114	537	1,693	20	417	6
Timor-Leste	2017	..	4	..	*4	..	0	0
	2018	..	3	..	*3	..	0	0
	2019	..	3	..	*3	..	0	0
	2020	..	3	..	*3	..	0	0
Türkiye	2017	4,837	194	314	3,454	69	1,194	15
	2018	4,787	482	110	3,698	222	1,239	15
	2019	5,964	353	706	4,289	149	1,173	14
	2020	2,926	122	599	1,832	-62	678	8
Turkmenistan	2017	464	..	..	349	..	114	19
	2018	510	..	..	371	..	138	23
	2019	453	..	..	301	..	152	25
	2020	261	..	..	160	..	101	16
United Arab Emirates	2017	12,398	1,521	5,992	7,391	451	85	9
	2018	12,931	1,684	8,476	6,827	..	-689	-75
	2019	11,829	..	4,292	7,173	..	364	40
	2020	8,636	..	3,889	4,438	..	309	33
Uzbekistan	2017	146	0	..	*73	..	74	2
	2018	193	0	..	*90	..	103	3
	2019	157	3	51	*133	-4	-19	-1
	2020	124	3	17	*111	..	-1	0
Viet Nam	2017	352	3,923	859	1,728	130	1,558	17
	2018	444	4,588	1,016	2,071	205	1,740	18
	2019	559	4,101	1,080	1,945	127	1,508	16
	2020	699	2,359	1,210	854	..	994	10
Yemen	2017	16	..	11	6	..	0	0
	2018	101	..	96	6	..	0	0
	2019	94	..	88	6	..	0	0
	2020	66	..	60	5	..	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
Europe	2017	49,291	36,890	19,220	57,379	-597	10,179	14
	2018	52,839	39,076	21,764	59,565	298	10,288	14
	2019	52,792	40,142	21,498	60,436	623	10,377	14
	2020	29,557	24,404	15,078	27,787	1,331	9,764	13
Albania	2017	..	17	..	*6	10	1	0
	2018	..	16	..	6	9	1	0
	2019	..	32	..	18	11	3	1
	2020	..	28	..	16	12	0	0
Austria	2017	613	148	30	713	-11	29	3
	2018	761	84	20	803	-8	30	3
	2019	894	52	29	923	-37	30	3
	2020	363	55	9	294	56	59	7
Belarus	2017	401	15	260	126	8	22	2
	2018	370	18	210	144	16	18	2
	2019	463	23	297	186	-12	15	2
	2020	225	20	123	106	1	15	2
Belgium	2017	1,942	1,476	1,787	1,540	-11	102	9
	2018	1,842	1,627	1,591	1,642	144	92	8
	2019	2,195	1,427	2,126	1,660	58	-221	-19
	2020	830	957	1,101	1,138	113	-565	-49
Bosnia and Herzegovina	2017	..	10	..	10	..	0	0
	2018	..	7	..	7	..	0	0
	2019	..	9	..	9	..	0	0
	2020	..	4	..	4	0	0	0
Bulgaria	2017	265	15	25	232	2	20	3
	2018	259	24	18	249	-3	20	3
	2019	232	34	8	236	7	15	2
	2020	138	15	4	135	-2	14	2
Croatia	2017	131	31	15	141	-5	10	2
	2018	192	26	10	176	22	10	2
	2019	158	48	16	190	-10	10	2
	2020	58	1	2	51	0	5	1
Czechia	2017	180	210	1	343	-10	56	5
	2018	181	257	4	396	..	38	4
	2019	216	257	8	405	14	46	4
	2020	48	101	..	110	-6	45	4
Denmark	2017	122	927	179	939	-134	64	11
	2018	113	944	57	984	-34	49	9
	2019	121	1,012	12	1,006	64	50	9
	2020	79	533	83	320	151	57	10
Estonia	2017	..	78	19	58	..	1	1
	2018	..	71	2	68	..	1	1
	2019	..	68	..	67	..	1	1
	2020	..	25	..	23	..	1	1
Finland	2017	755	160	7	658	-4	254	46
	2018	794	166	2	753	16	189	34
	2019	750	259	1	812	-8	204	37
	2020	302	196	1	274	18	205	37
France	2017	4,257	4,413	1,216	5,564	137	1,753	26
	2018	4,186	5,761	1,944	5,758	183	2,063	31
	2019	3,889	6,053	1,745	6,048	-89	2,238	34
	2020	1,481	4,044	1,476	2,557	-9	1,501	22

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
Germany	2017	5,347	5,935	1,296	9,319	-81	748	9
	2018	5,101	6,547	1,356	9,611	-70	751	9
	2019	5,077	6,797	1,401	9,532	120	821	10
	2020	2,519	3,033	687	4,454	19	392	5
Gibraltar	2017	..	9	..	9	..	0	0
	2018	..	7	..	7	..	0	0
	2019	..	8	..	8	..	0	0
	2020	..	4	..	4	..	0	0
Greece	2017	2,431	221	1,384	961	-33	340	32
	2018	3,136	51	1,694	1,061	86	347	33
	2019	2,813	150	1,559	1,101	-63	367	35
	2020	1,638	267	1,178	346	7	374	36
Hungary	2017	236	1	8	216	4	9	1
	2018	297	1	22	267	-1	10	1
	2019	300	18	39	270	-1	10	1
	2020	123	1	..	98	15	11	1
Iceland	2017	..	346	..	364	-6	-12	-34
	2018	..	423	..	408	26	-10	-29
	2019	..	278	..	303	-22	-3	-8
	2020	..	96	..	83	-4	17	46
Ireland	2017	..	1,234	0	965	7	262	55
	2018	..	1,464	148	1,042	-78	351	73
	2019	..	1,491	60	1,054	76	300	61
	2020	..	976	..	376	214	386	78
Italy	2017	2,218	2,273	226	3,329	34	902	15
	2018	2,770	2,336	337	3,734	75	961	16
	2019	2,706	2,563	333	3,864	62	1,010	17
	2020	1,289	793	55	1,456	-46	618	10
Kosovo	2017	..	6	..	6	..	0	0
	2018	..	3	..	3	..	0	0
	2019	..	2	..	2	..	0	0
	2020	..	2	..	2	..	0	0
Latvia	2017	..	137	0	136	0	2	1
	2018	..	150	0	149	0	1	1
	2019	..	154	..	152	0	2	1
	2020	..	59	..	56	2	1	0
Lithuania	2017	1,059	52	213	103	11	784	270
	2018	955	38	253	122	-8	625	217
	2019	996	45	264	119	3	655	230
	2020	878	0	103	52	-9	732	260
Luxembourg	2017	..	580	22	558	0	0	0
	2018	..	598	..	596	1	0	0
	2019	..	582	..	583	-2	0	0
	2020	..	531	..	531	0	0	0
Malta	2017	..	152	..	136	16	1	1
	2018	..	143	..	153	-10	1	1
	2019	..	174	..	160	13	1	1
	2020	..	51	..	58	-7	1	1
Montenegro	2017	..	46	26	20	..	0	0
	2018	..	47	21	26	..	0	0
	2019	..	49	28	21	..	0	0
	2020	..	14	10	5	-1	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
Netherlands	2017	7,654	3,626	7,550	3,863	-210	77	4
	2018	8,929	3,342	8,202	3,909	29	130	8
	2019	8,810	3,445	8,159	3,823	197	76	4
	2020	4,521	4,028	5,983	2,132	10	425	24
North Macedonia	2017	..	33	13	..	0	20	10
	2018	..	38	15	..	0	23	11
	2019	..	57	30	..	1	27	13
	2020	..	18	9	..	0	9	4
Norway	2017	763	206	5	530	-31	465	88
	2018	778	230	1	555	38	413	78
	2019	655	250	11	534	5	355	66
	2020	371	228	66	168	8	356	66
Poland	2017	1,119	3	265	828	1	27	1
	2018	1,339	31	343	980	15	32	1
	2019	1,355	24	284	1,048	14	33	1
	2020	616	0	179	445	-26	18	0
Portugal	2017	1,361	67	3	1,247	17	161	16
	2018	1,432	133	22	1,328	36	180	17
	2019	1,346	253	16	1,420	-37	200	19
	2020	588	3	1	509	-39	120	12
Republic of Moldova	2017	..	46	..	47	-1	0	0
	2018	..	55	..	54	1	0	0
	2019	..	49	..	48	1	0	0
	2020	..	16	..	17	-1	0	0
Romania	2017	381	86	269	292	9	-102	-5
	2018	418	78	326	119	3	49	2
	2019	512	39	370	131	-6	56	3
	2020	204	33	162	41	-2	35	2
Russian Federation	2017	12,577	68	2,272	5,399	..	4,974	34
	2018	12,982	15	2,670	5,578	..	4,749	33
	2019	13,176	30	2,405	5,702	..	5,099	35
	2020	10,934	29	1,972	4,674	..	4,317	30
Serbia	2017	155	1	27	128	1	0	0
	2018	190	3	52	135	6	0	0
	2019	155	21	39	138	-1	0	0
	2020	88	1	15	77	-2	0	0
Slovakia	2017	76	..	33	39	4	0	0
	2018	95	2	52	46	-1	0	0
	2019	72	5	33	44	..	0	0
	2020	33	6	11	28	..	0	0
Slovenia	2017	..	240	216	25	-2	0	0
	2018	..	232	203	34	-5	0	0
	2019	..	310	265	26	18	0	0
	2020	..	125	93	10	23	0	0
Spain	2017	189	2,244	578	4,349	-271	-2,223	-48
	2018	381	1,802	528	4,531	8	-2,884	-62
	2019	454	1,680	401	4,643	-45	-2,865	-61
	2020	155	1,231	519	1,496	338	-967	-20
Sweden	2017	22	947	16	867	-57	143	14
	2018	204	1,042	92	913	14	227	22
	2019	259	985	147	867	26	204	20
	2020	122	655	42	333	209	192	19

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
Switzerland	2017	7	1,725	..	1,710	-7	29	3
	2018	5	1,858	..	1,795	-7	75	9
	2019	3	1,937	..	1,813	45	83	10
	2020	9	803	..	665	94	54	6
Ukraine	2017	..	..	..	263	..	-263	-6
	2018	..	..	..	..	..	..	..
	2019	..	..	..	..	..	..	..
	2020	..	..	..	..	..	..	..
United Kingdom	2017	5,031	9,106	1,258	11,342	16	1,521	23
	2018	5,129	9,405	1,572	11,424	-206	1,744	26
	2019	5,185	9,473	1,414	11,470	220	1,554	23
	2020	1,943	5,423	1,193	4,643	197	1,332	20
Latin America & Carib.	2017	13,589	7,235	2,445	11,764	-381	6,997	11
	2018	13,449	7,925	1,996	12,195	144	7,039	11
	2019	12,380	8,295	1,291	13,510	-223	6,096	9
	2020	7,911	4,147	1,119	6,880	-89	4,149	6
Anguilla	2017	..	*5	..	*5	..	0	0
	2018	..	*5	..	*5	..	0	0
	2019	..	*6	..	*6	..	0	0
	2020	..	*2	..	*2	..	0	0
Antigua and Barbuda	2017	..	*49	..	*47	..	*2	*19
	2018	..	*50	..	*48	..	*2	*20
	2019	..	*50	..	48	..	*2	*20
	2020	..	*48	..	*46	..	*2	*18
Argentina	2017	1,434	97	5	982	5	539	12
	2018	1,461	167	3	893	-8	740	17
	2019	1,466	221	5	882	-11	811	18
	2020	1,461	216	6	1,087	-5	590	13
Aruba	2017	..	*88	..	*88	..	0	0
	2018	..	*89	..	*89	..	0	0
	2019	..	*83	..	*83	..	0	0
	2020	..	*79	..	*79	..	0	0
Bahamas	2017	..	240	..	*239	..	1	3
	2018	..	261	..	*258	..	3	7
	2019	..	273	..	*273	..	1	2
	2020	..	258	..	*257	..	0	1
Barbados	2017	..	*133	..	..	..	*133	*475
	2018	..	*110	..	..	..	*110	*393
	2019	..	*149	..	..	..	*149	*531
	2020	..	*70	..	..	..	*70	*249
Belize	2017	..	15	..	15	..	0	1
	2018	..	15	..	14	..	0	1
	2019	..	25	..	25	..	0	1
	2020	..	25	..	24	..	0	1
Bolivia (Plur. State of)	2017	190	..	..	62	7	121	11
	2018	179	..	..	64	2	113	10
	2019	177	..	..	64	6	108	9
	2020	85	..	..	26	2	56	5
Bonaire, St Eustatius, Saba	2017	..	*3	..	*3	..	0	0
	2018	..	*3	..	*3	..	0	0
	2019	..	*3	..	*3	..	0	0
	2020	..	*2	..	*2	..	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
Brazil	2017	5,041	467	97	2,110	63	3,238	16
	2018	5,200	730	366	2,392	-205	3,377	16
	2019	4,916	883	88	2,317	90	3,304	16
	2020	2,703	290	144	976	-31	1,904	9
Cayman Islands	2017	..	40	..	38	..	2	31
	2018	..	38	..	37	..	2	30
	2019	..	35	..	34	..	2	27
	2020	..	16	..	15	..	1	12
Chile	2017	592	627	0	579	13	628	34
	2018	635	610	..	636	-21	630	34
	2019	880	472	..	721	10	619	33
	2020	491	213	..	386	-20	338	18
Colombia	2017	1,124	136	33	..	..	1,227	25
	2018	1,227	48	11	..	..	1,263	26
	2019	1,144	66	..	1,326	..	-116	-2
	2020	876	35	..	590	..	320	6
Costa Rica	2017	..	224	..	187	21	16	3
	2018	..	217	..	209	-7	15	3
	2019	..	248	..	224	6	19	4
	2020	..	119	..	97	6	16	3
Cuba	2017	68	508	*299	159	..	117	10
	2018	66	474	*421	75	..	44	4
	2019	83	369	*311	82	..	59	5
	2020	37	240	*251	21	..	5	0
Curaçao	2017	286	75	284	77	..	0	0
	2018	215	73	213	75	..	0	0
	2019	0	73	0	73	..	0	0
	2020	..	36	..	36	..	0	0
Dominica	2017	..	*1	..	*1	..	0	0
	2018	..	*1	..	*1	..	0	0
	2019	..	*1	..	*1	..	0	0
	2020	..	*1	..	*1	..	0	0
Dominican Republic	2017	154	392	..	539	-1	8	1
	2018	189	376	..	544	-1	23	2
	2019	193	316	..	457	-1	54	5
	2020	86	142	..	204	-1	24	2
Ecuador	2017	383	0	..	241	4	138	8
	2018	365	..	..	251	-3	118	7
	2019	360	..	..	258	-10	112	6
	2020	192	162	..	131	5	218	12
El Salvador	2017	..	171	6	165	..	0	0
	2018	..	181	7	174	..	0	0
	2019	..	187	3	183	..	0	0
	2020	..	69	0	68	..	0	0
Falkland Is. (Malvinas)	2017	..	0	..	..	..	0	52
	2018	..	0	..	..	..	0	55
	2019	..	0	..	..	..	0	53
	2020	..	0	..	..	..	0	35
Grenada	2017	..	8	..	7	..	0	1
	2018	..	8	..	8	..	0	0
	2019	..	9	..	9	..	0	0
	2020	..	8	..	8	..	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
Guatemala	2017	..	101	3	97	..	1	0
	2018	..	90	6	105	-23	2	0
	2019	..	105	4	101	..	0	0
	2020	..	53	*4	49	..	0	0
Guyana	2017	..	18	..	18	..	1	1
	2018	..	18	..	17	..	1	1
	2019	..	17	..	17	..	1	1
	2020	..	16	11	5	..	0	0
Haiti	2017	..	27	..	22	..	5	0
	2018	..	28	..	22	..	5	0
	2019	..	27	..	22	..	5	0
	2020	..	27	..	22	..	5	0
Honduras	2017	..	57	..	..	..	57	6
	2018	..	56	..	..	..	56	6
	2019	..	62	..	..	..	62	6
	2020	..	27	0	..	1	26	3
Jamaica	2017	50	172	..	172	8	42	15
	2018	61	148	..	210	-4	3	1
	2019	60	150	..	211	-5	4	1
	2020	38	36	..	70	0	4	1
Mexico	2017	1,884	1,987	0	3,733	12	126	1
	2018	1,589	2,534	2	3,917	259	-55	0
	2019	1,234	2,649	..	3,962	-323	244	2
	2020	796	1,217	..	1,825	13	175	1
Nicaragua	2017	29	2	..	25	0	6	1
	2018	18	1	..	16	-1	3	0
	2019	17	1	..	16	0	2	0
	2020	7	1	..	5	0	3	0
Panama	2017	..	883	..	687	103	94	23
	2018	..	960	..	724	180	55	13
	2019	..	835	..	761	51	23	5
	2020	..	245	..	265	-31	10	2
Paraguay	2017	..	64	..	60	..	3	1
	2018	..	74	..	72	-1	3	0
	2019	..	74	..	71	0	4	1
	2020	..	28	..	25	0	3	0
Peru	2017	612	436	654	678	-609	325	10
	2018	625	412	0	677	-6	366	11
	2019	686	396	..	706	-7	382	12
	2020	206	160	..	252	-24	138	4
Sint Maarten (Dutch part)	2017	..	*49	..	*49	..	0	0
	2018	..	*48	..	*48	..	0	0
	2019	..	*48	..	*48	..	0	0
	2020	..	*42	..	*42	..	0	0
St. Lucia	2017	..	30	..	29	..	2	8
	2018	..	30	..	29	..	2	8
	2019	..	*30	..	*29	..	*2	*8
	2020	..	*26	..	*24	..	*2	*11
Suriname	2017	..	45	..	*41	..	5	8
	2018	..	44	..	*41	..	4	6
	2019	..	44	..	*39	..	5	7
	2020	..	37	..	*33	..	4	7

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
Trinidad and Tobago	2017	509	2	183	224	7	97	66
	2018	397	..	148	181	-14	82	54
	2019	..	358	101	170	-27	113	75
	2020	..	176	50	81	..	45	30
Turks and Caicos Islands	2017	..	*24	..	*24	..	0	0
	2018	..	*25	..	*25	..	0	0
	2019	..	*25	..	*25	..	0	0
	2020	..	*24	..	*24	..	0	0
Uruguay	2017	31	59	..	98	-14	6	2
	2018	105	2	..	105	-3	5	1
	2019	100	1	..	97	-1	5	2
	2020	42	2	..	42	-4	5	1
Venezuela (Bolivar. Rep.)	2017	1,204	..	881	263	0	60	2
	2018	1,119	..	819	233	..	67	2
	2019	1,064	..	779	164	..	122	4
	2020	892	..	653	57	..	182	6
Northern America	2017	84,427	10,242	9,772	23,892	-116	61,120	167
	2018	89,096	9,188	11,593	24,492	139	62,060	168
	2019	88,725	11,138	11,547	24,862	-43	63,497	171
	2020	50,005	8,419	5,092	15,212	-79	38,200	102
Bermuda	2017	..	*15	..	*15	..	0	0
	2018	..	*16	..	*16	..	0	0
	2019	..	*16	..	*16	..	0	0
	2020	..	*14	..	*14	..	0	0
Canada	2017	5,661	2,355	1,102	598	25	6,291	172
	2018	5,540	2,895	1,144	838	64	6,389	173
	2019	5,548	3,146	1,077	806	-11	6,823	182
	2020	2,636	1,095	433	323	-41	3,016	80
Greenland	2017	..	28	..	..	9	19	336
	2018	..	19	..	..	..	19	342
	2019	..	19	..	..	..	19	335
	2020	..	6	..	..	*-5	11	191
United States	2017	78,766	7,843	8,670	23,279	-150	54,811	166
	2018	83,556	6,258	10,449	23,638	75	55,652	168
	2019	83,176	7,958	10,470	24,040	-32	56,655	169
	2020	47,370	7,304	4,659	14,875	-34	35,173	105
Oceania	2017	4,162	5,218	186	5,548	-20	3,666	88
	2018	4,422	5,529	249	5,861	173	3,667	86
	2019	4,545	5,221	160	6,141	111	3,355	78
	2020	2,979	4,223	172	4,270	-163	2,923	67
American Samoa	2017	..	*8	..	*6	..	*3	*51
	2018	..	*8	..	*6	..	*3	*52
	2019	..	*8	..	*6	..	*3	*53
	2020	..	*8	..	*6	..	*3	*54
Australia	2017	2,841	4,640	56	4,215	6	3,204	130
	2018	3,041	4,857	114	4,464	25	3,294	132
	2019	3,162	4,618	16	4,750	183	2,832	112
	2020	2,326	3,840	124	3,641	-181	2,582	101
Cook Islands	2017	..	*9	..	*8	..	*2	*109
	2018	..	*9	..	*8	..	*2	*110
	2019	..	*10	..	*8	..	*2	*112
	2020	..	*8	..	*6	..	*2	*94

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
Fiji	2017	..	158	129	*30	*-14	12	13
	2018	..	*203	*135	*31	*25	*13	*14
	2019	..	*197	*144	*31	*10	*13	*14
	2020	..	*69	*48	*10	..	*10	*11
French Polynesia	2017	..	16	..	..	*3	13	45
	2018	..	19	..	..	*5	13	45
	2019	..	21	..	..	*8	14	46
	2020	..	11	..	..	..	11	35
Kiribati	2017	..	1	..	*1	..	1	7
	2018	..	*1	..	*1	..	*1	*7
	2019	..	*1	..	*1	..	*1	*7
	2020	..	*1	..	*1	..	*1	*6
Marshall Islands	2017	..	*2	..	*2	..	0	0
	2018	..	*2	..	*2	..	0	0
	2019	..	*2	..	*2	..	0	0
	2020	..	*2	..	*2	..	0	0
Micronesia (Fed. States of)	2017	..	*8	..	*7	..	*1	*10
	2018	..	*8	..	*7	..	*1	*10
	2019	..	*8	..	*7	..	*1	*10
	2020	..	*8	..	*7	..	*1	*10
Nauru	2017	..	4	..	*4	..	0	0
	2018	..	*4	..	*4	..	0	0
	2019	..	*4	..	*4	..	0	0
	2020	..	*3	..	*3	..	0	0
New Caledonia	2017	..	31	..	26	-1	6	21
	2018	..	33	..	27	1	5	18
	2019	..	30	..	28	-3	5	17
	2020	..	18	..	12	0	6	20
New Zealand	2017	1,221	275	..	1,161	-15	350	74
	2018	1,325	279	..	1,223	118	263	54
	2019	1,330	201	..	1,222	-87	396	80
	2020	638	108	..	497	18	230	46
Niue	2017	..	*1	..	0	..	0	*13
	2018	..	*1	..	0	..	0	*23
	2019	..	*1	..	0	..	0	*14
	2020	..	*1	..	0	..	0	*13
Northern Mariana Islands	2017	..	*7	..	*5	..	*2	*39
	2018	..	*7	..	*5	..	*2	*40
	2019	..	*7	..	*5	..	*2	*40
	2020	..	*4	..	*3	..	*1	*20
Palau	2017	..	*6	..	*6	..	0	0
	2018	..	*7	..	*7	..	0	0
	2019	..	*7	..	*7	..	0	0
	2020	..	*6	..	*6	..	0	0
Papua New Guinea	2017	100	30	..	*58	1	71	8
	2018	56	71	..	59	-1	69	7
	2019	53	89	..	*56	0	86	9
	2020	15	121	..	*60	0	76	8
Solomon Islands	2017	..	*5	..	*4	..	*1	*1
	2018	..	*5	..	*4	..	*1	*1
	2019	..	*5	..	*4	..	*1	*1
	2020	..	*4	..	*3	..	*1	*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
Tonga	2017	..	5	..	*5	0	0	1
	2018	..	4	..	*4	..	0	2
	2019	..	0	..	0	..	0	1
	2020	..	1	..	0	..	0	3
Vanuatu	2017	..	*10	..	*10	..	0	0
	2018	..	*11	..	*11	..	0	0
	2019	..	*11	..	*11	..	0	0
	2020	..	*10	..	*10	..	0	0
Wallis and Futuna Is.	2017	..	*1	..	1	..	0	0
	2018	..	*1	..	1	..	0	0
	2019	..	*1	..	1	..	0	0
	2020	..	*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, 1990-2020

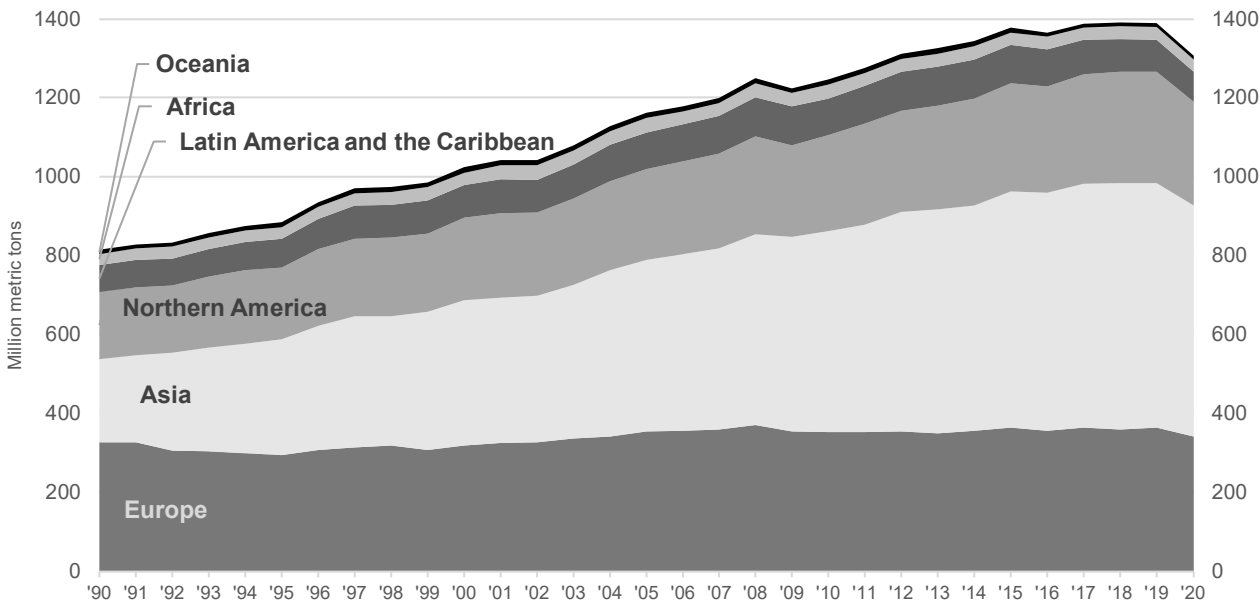


Figure 58: Major gas oil/diesel oil producing countries, 2020

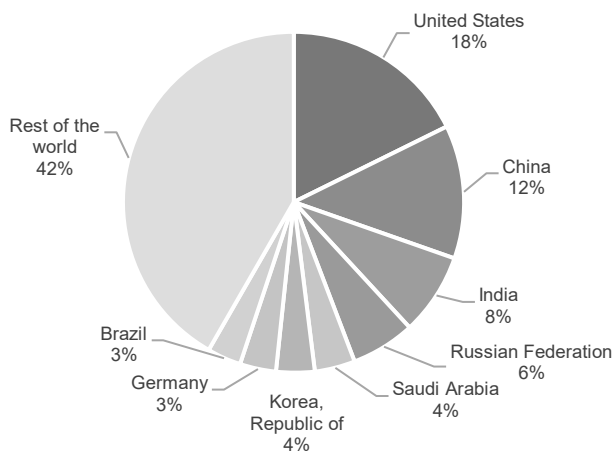


Figure 59: Major gas oil/diesel oil consuming countries, 2020

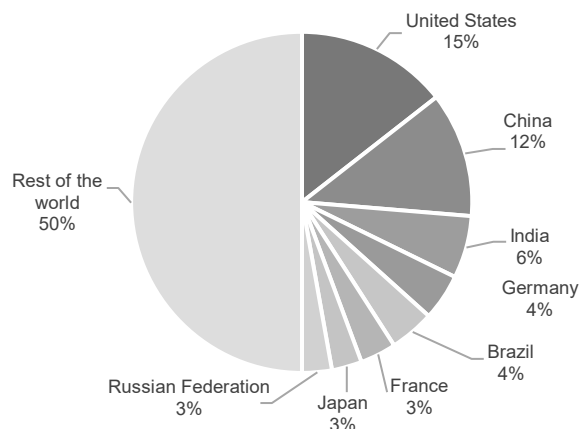


Table 21

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	2017	1,387,052	382,269	416,339	46,314	-8,210	1,314,878	173
	2018	1,390,752	381,714	415,167	41,627	-2,540	1,318,212	172
	2019	1,389,701	377,260	426,111	38,277	-2,652	1,305,224	168
	2020	1,305,616	347,324	388,666	38,166	10,957	1,215,150	155
Africa	2017	30,675	52,094	3,178	1,720	-417	78,287	62
	2018	31,617	49,493	3,250	2,228	-220	75,852	59
	2019	33,536	52,437	2,660	2,229	-43	81,128	61
	2020	30,085	46,581	1,852	2,503	-19	72,331	53
Algeria	2017	8,537	1,413	..	64	-186	10,072	245
	2018	10,189	247	..	58	188	10,190	243
	2019	9,590	913	..	10	-23	10,516	246
	2020	9,503	285	620	15	-103	9,256	213
Angola	2017	607	2,092	28	..	..	2,671	88
	2018	436	1,096	26	..	*-518	2,024	65
	2019	615	1,326	11	..	..	1,930	60
	2020	548	728	..	..	..	1,276	38
Benin	2017	..	760	..	0	-1	761	66
	2018	..	862	..	..	-7	869	73
	2019	..	864	..	0	-10	873	71
	2020	..	894	..	1	0	893	71
Botswana	2017	..	444	..	..	..	444	185
	2018	..	450	..	..	..	450	184
	2019	..	456	..	..	..	456	182
	2020	..	407	..	..	..	407	160
Burkina Faso	2017	..	522	..	..	-68	590	30
	2018	..	664	..	..	*36	629	31
	2019	..	610	..	..	*-76	686	33
	2020	..	624	..	..	*-63	686	32
Burundi	2017	..	*66	..	..	..	*66	*6
	2018	..	*78	..	..	..	*78	*7
	2019	..	*81	..	..	..	*81	*7
	2020	..	*99	..	..	..	*99	*8
Cabo Verde	2017	..	*103	..	37	..	*66	*116
	2018	..	*106	..	*29	..	*77	*134
	2019	..	*109	..	*31	..	*78	*135
	2020	..	*98	..	*27	..	*71	*122
Cameroon	2017	471	442	109	..	..	804	33
	2018	427	505	99	..	..	833	33
	2019	221	646	51	..	..	816	32
	2020	..	783	..	..	..	783	30
Central African Rep.	2017	..	*41	..	..	..	*41	*8
	2018	..	*42	..	..	..	*42	*8
	2019	..	*43	..	..	..	*43	*8
	2020	..	*44	..	..	..	*44	*8
Chad	2017	*340	..	..	..	..	*340	*23
	2018	*348	..	..	..	..	*348	*22
	2019	*353	..	..	..	..	*353	*22
	2020	*351	..	..	..	..	*351	*21
Comoros	2017	..	*46	..	..	..	*46	*61
	2018	..	*50	..	..	..	*50	*65
	2019	..	*55	..	..	..	*55	*70
	2020	..	*67	..	..	..	*67	*83

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	2017	214	76	..	..	..	290	55
	2018	217	79	..	..	..	296	54
	2019	221	80	..	..	..	301	54
	2020	210	60	..	..	..	270	47
Côte d'Ivoire	2017	*1,222	..	180	69	..	*973	*39
	2018	1,241	..	184	74	..	983	39
	2019	1,411	..	256	79	..	1,076	41
	2020	1,342	..	257	80	..	1,005	37
Dem. Rep. of the Congo	2017	..	419	..	..	..	419	5
	2018	..	394	..	..	..	394	5
	2019	..	383	..	..	..	383	4
	2020	..	386	..	..	..	386	4
Djibouti	2017	..	80	..	*10	*6	64	61
	2018	..	89	..	*10	*10	69	65
	2019	..	89	..	*10	*10	69	64
	2020	..	70	..	*10	*10	50	46
Egypt	2017	7,403	7,468	..	30	..	14,841	146
	2018	7,640	6,533	713	62	..	13,398	129
	2019	8,046	5,751	..	58	..	13,740	130
	2020	9,901	2,300	69	165	..	11,967	111
Equatorial Guinea	2017	..	*167	..	..	..	*167	*115
	2018	..	*149	..	..	..	*149	*99
	2019	..	*165	..	..	..	*165	*106
	2020	..	*109	..	..	..	*109	*68
Eritrea	2017	..	93	..	..	6	87	25
	2018	..	96	..	..	..	96	28
	2019	..	99	..	..	..	99	28
	2020	..	98	..	..	..	98	28
Eswatini	2017	..	142	..	..	..	142	124
	2018	..	148	..	..	..	148	128
	2019	..	*157	..	..	..	*157	*135
	2020	..	*163	..	..	..	*163	*138
Ethiopia	2017	..	2,513	..	..	-101	2,614	24
	2018	..	2,729	..	..	-30	2,759	25
	2019	..	2,807	..	..	..	2,807	25
	2020	..	2,771	..	..	..	2,771	24
Gabon	2017	254	137	13	66	..	312	146
	2018	233	138	12	61	..	298	136
	2019	189	142	10	73	..	248	111
	2020	241	172	12	70	..	332	145
Gambia	2017	..	95	*1	..	..	94	40
	2018	..	111	*1	..	..	110	45
	2019	..	*124	*1	..	..	*123	*49
	2020	..	*121	*1	..	..	*120	*47
Ghana	2017	6	1,781	190	89	-14	1,522	50
	2018	114	1,753	35	10	..	1,821	59
	2019	198	1,742	117	7	31	1,784	57
	2020	150	1,937	5	5	93	1,983	62
Guinea	2017	..	507	..	..	..	507	41
	2018	..	522	..	..	..	522	42
	2019	..	597	..	..	..	597	46
	2020	..	714	..	..	..	714	54

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	2017	..	*51	..	..	..	*51	*27
	2018	..	*54	..	..	..	*54	*28
	2019	..	*55	..	..	..	*55	*28
	2020	..	*49	..	..	..	*49	*24
Kenya	2017	0	2,853	767	..	..	2,086	43
	2018	..	2,324	..	3	..	2,321	46
	2019	..	2,548	..	*3	..	2,545	50
	2020	..	2,433	..	*3	..	2,430	47
Lesotho	2017	..	82	..	..	..	82	38
	2018	..	87	..	..	..	87	39
	2019	..	99	..	..	..	99	45
	2020	..	74	..	..	..	74	33
Liberia	2017	..	154	..	*5	..	149	31
	2018	..	62	..	*4	..	58	12
	2019	..	156	..	*4	..	152	30
	2020	..	92	..	*5	..	87	17
Libya	2017	1,332	2,044	..	..	..	3,376	529
	2018	1,563	1,816	..	..	..	3,378	522
	2019	1,116	2,336	..	..	..	3,452	525
	2020	450	1,790	..	..	..	2,240	337
Madagascar	2017	..	502	..	5	-46	544	21
	2018	..	456	..	2	-42	496	18
	2019	..	550	..	2	14	534	19
	2020	..	*474	..	*2	*8	*464	*16
Malawi	2017	..	197	..	..	*44	153	9
	2018	..	238	..	..	*44	282	15
	2019	..	223	..	..	..	223	12
	2020	..	269	..	..	*40	229	12
Mali	2017	..	*870	..	..	*6	*876	*45
	2018	..	*857	..	..	*4	*861	*43
	2019	..	951	..	..	0	951	46
	2020	..	1,087	..	..	0	1,087	51
Mauritania	2017	..	784	..	..	*52	732	176
	2018	..	1,033	..	..	*256	777	182
	2019	..	1,097	..	..	*276	821	187
	2020	..	1,066	..	..	*217	849	189
Mauritius	2017	..	347	..	129	6	212	164
	2018	..	330	..	146	-31	215	166
	2019	..	334	..	141	-29	222	171
	2020	..	258	..	121	-48	184	142
Morocco	2017	..	5,771	..	23	-118	5,866	163
	2018	..	5,907	..	23	-149	6,033	165
	2019	..	6,056	..	23	-280	6,313	171
	2020	..	5,316	..	23	-243	5,536	149
Mozambique	2017	..	967	..	2	..	965	34
	2018	..	1,014	..	8	..	1,006	34
	2019	..	1,011	..	9	..	1,002	33
	2020	..	816	..	5	..	811	26
Namibia	2017	..	819	..	..	..	819	346
	2018	..	776	..	..	..	776	323
	2019	..	760	..	..	..	760	311
	2020	..	691	..	..	..	691	278

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	2017	520	20	*253	..	*21	265	12
	2018	492	3	221	..	*36	238	11
	2019	382	5	69	..	..	319	14
	2020	387	..	92	..	..	295	12
Nigeria	2017	900	3,651	..	98	..	4,453	23
	2018	347	3,427	..	103	..	3,672	19
	2019	81	4,186	..	106	..	4,160	20
	2020	0	4,787	..	80	..	4,707	23
Rwanda	2017	..	149	..	..	..	149	12
	2018	..	163	..	..	..	163	13
	2019	..	262	..	..	*100	162	13
	2020	..	178	..	..	..	178	14
Sao Tome and Principe	2017	..	33	..	..	..	33	160
	2018	..	32	..	..	..	32	150
	2019	..	32	..	..	..	32	150
	2020	..	*31	..	..	..	*31	*140
Senegal	2017	679	*489	84	113	0	971	64
	2018	576	1,002	*356	*130	*124	968	62
	2019	522	1,279	*590	194	-21	1,038	65
	2020	472	506	..	233	-4	749	46
Seychelles	2017	..	223	..	161	*10	53	517
	2018	..	202	..	*141	0	61	592
	2019	..	183	..	*110	0	73	701
	2020	..	*190	..	*120	*20	*50	*474
Sierra Leone	2017	..	171	..	..	*4	167	22
	2018	..	146	..	..	*-5	151	19
	2019	..	155	..	..	*-1	156	19
	2020	..	174	..	..	*4	170	21
Somalia	2017	..	*126	..	*16	..	*110	*7
	2018	..	*126	..	*16	..	*110	*7
	2019	..	*126	..	*16	..	*110	*7
	2020	..	*111	..	*6	..	*105	*6
South Africa	2017	*5,861	5,253	1,553	751	..	8,811	156
	2018	5,417	5,311	1,603	1,310	..	7,815	136
	2019	8,539	5,096	1,554	1,312	..	10,769	185
	2020	4,258	6,118	795	1,497	..	8,083	137
South Sudan	2017	..	350	..	..	..	350	33
	2018	..	433	..	..	..	433	42
	2019	..	435	..	..	..	435	42
	2020	..	416	..	..	..	416	39
St. Helena and Depend.	2017	..	3	..	..	..	3	459
	2018	..	3	..	..	..	3	595
	2019	..	4	..	..	..	4	670
	2020	..	*5	..	..	..	*5	*872
Sudan	2017	1,797	1,612	..	27	..	3,382	83
	2018	1,696	1,609	..	*28	..	3,276	78
	2019	*1,717	1,556	..	*28	..	*3,245	*75
	2020	*1,691	1,267	..	*28	..	*2,929	*66
Togo	2017	..	161	..	19	-15	157	20
	2018	..	173	..	..	-4	177	22
	2019	..	177	..	2	-3	178	22
	2020	..	177	..	..	-2	179	21

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	2017	314	1,731	..	7	-11	2,049	173
	2018	407	1,675	..	10	-36	2,108	177
	2019	41	1,914	..	10	-31	1,976	164
	2020	421	1,462	..	7	46	1,831	151
Uganda	2017	..	823	..	..	..	823	20
	2018	..	855	..	..	..	855	21
	2019	..	896	..	..	..	896	21
	2020	..	864	..	..	5	859	19
United Rep. of Tanzania	2017	..	1,271	..	..	..	1,271	23
	2018	..	1,343	..	..	..	1,343	23
	2019	..	1,351	..	..	..	1,351	23
	2020	..	1,501	..	..	..	1,501	24
Zambia	2017	217	540	..	..	..	756	44
	2018	274	421	..	..	..	695	39
	2019	294	575	..	..	..	869	47
	2020	161	829	..	..	..	990	52
Zimbabwe	2017	..	642	..	..	..	642	44
	2018	..	777	..	..	..	777	52
	2019	..	790	..	..	..	790	51
	2020	..	621	..	..	..	621	40
Asia	2017	617,734	95,104	179,374	8,520	422	524,523	115
	2018	624,856	99,972	196,428	9,085	886	518,428	113
	2019	619,055	88,054	190,231	11,407	-1,528	507,000	110
	2020	585,795	77,848	176,100	10,423	3,486	473,634	102
Afghanistan	2017	*44	*304	..	..	-107	*455	*13
	2018	*68	373	..	..	*-30	471	13
	2019	*44	761	..	..	*177	628	17
	2020	*18	531	..	..	*-25	574	15
Armenia	2017	..	135	0	..	..	135	47
	2018	..	115	..	..	..	115	40
	2019	..	134	0	..	..	134	47
	2020	..	201	1	..	..	200	71
Azerbaijan	2017	1,849	1	603	44	-29	1,232	122
	2018	2,148	37	661	43	41	1,440	142
	2019	2,243	1	761	31	-4	1,456	142
	2020	2,181	0	848	32	16	1,286	125
Bahrain	2017	4,184	..	3,945	..	-141	380	261
	2018	4,083	..	3,599	..	123	361	243
	2019	4,210	..	3,872	..	17	321	215
	2020	3,947	..	3,668	..	28	251	170
Bangladesh	2017	452	3,716	..	..	..	4,168	26
	2018	546	3,458	..	..	-831	4,836	30
	2019	682	3,411	..	..	..	4,093	25
	2020	488	3,536	..	..	..	4,024	24
Bhutan	2017	..	126	..	..	..	126	166
	2018	..	139	..	..	..	139	182
	2019	..	135	..	..	..	135	175
	2020	..	95	..	..	..	95	123
Brunei Darussalam	2017	104	189	..	..	2	291	676
	2018	110	182	..	..	-1	293	675
	2019	422	196	235	..	89	294	670
	2020	2,682	67	2,525	..	75	149	338

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
Cambodia	2017	..	1,224	..	..	..	1,224	77
	2018	..	1,343	..	..	..	1,343	84
	2019	..	1,661	..	..	..	1,661	102
	2020	..	1,770	..	..	..	1,770	108
China	2017	186,679	747	17,193	504	442	169,288	120
	2018	183,601	711	18,532	375	90	165,316	117
	2019	173,083	1,190	21,383	763	-959	153,087	108
	2020	165,299	1,191	19,760	536	1,965	144,229	101
China, Hong Kong SAR	2017	..	5,970	110	2,916	178	2,766	371
	2018	..	6,420	115	3,529	179	2,597	347
	2019	..	6,461	88	3,356	354	2,663	355
	2020	..	4,712	49	1,879	222	2,562	342
China, Macao SAR	2017	..	172	..	66	4	102	160
	2018	..	160	..	64	-2	98	151
	2019	..	140	..	44	1	95	143
	2020	..	77	..	4	1	72	106
Cyprus	2017	2	793	..	101	9	685	567
	2018	3	775	..	118	-14	675	554
	2019	4	818	..	124	-6	704	573
	2020	13	928	..	119	34	789	637
Georgia	2017	10	575	11	..	-14	588	156
	2018	10	563	4	2	18	549	146
	2019	15	553	0	2	-21	586	155
	2020	12	568	4	4	18	554	147
India	2017	108,466	1,353	29,676	..	..	80,143	59
	2018	111,236	555	27,931	..	..	83,860	61
	2019	111,841	2,796	31,653	..	..	82,984	60
	2020	101,170	648	30,576	..	..	71,242	51
Indonesia	2017	16,723	5,681	127	186	..	22,091	84
	2018	17,614	5,735	88	199	125	22,937	86
	2019	17,307	3,818	223	216	127	20,559	76
	2020	16,769	2,714	93	*200	..	19,190	71
Iran (Islamic Rep. of)	2017	26,937	0	2,019	251	..	24,667	292
	2018	28,608	..	2,033	251	..	26,325	307
	2019	28,566	..	2,126	251	..	26,188	303
	2020	27,049	..	2,097	251	..	24,701	283
Iraq	2017	4,068	1,748	..	..	..	5,816	147
	2018	5,291	1,389	..	..	..	6,681	165
	2019	5,825	1,515	..	..	..	7,340	177
	2020	5,239	1,413	..	..	..	6,652	156
Israel	2017	4,628	321	2,014	42	105	2,789	336
	2018	4,789	248	2,166	51	26	2,795	331
	2019	5,389	204	2,586	61	116	2,830	329
	2020	4,973	213	2,771	57	24	2,334	267
Japan	2017	45,633	516	8,502	169	-136	37,614	297
	2018	44,587	634	7,901	140	121	37,059	294
	2019	44,301	780	9,050	124	-27	35,934	286
	2020	37,102	1,323	3,478	59	58	34,829	278
Jordan	2017	845	1,029	..	4	-39	1,909	187
	2018	738	1,145	..	4	-31	1,910	183
	2019	759	963	..	4	..	1,718	161
	2020	614	910	..	4	..	1,520	139

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
Kazakhstan	2017	4,352	474	112	0	-183	4,897	267
	2018	4,664	472	237	2	2	4,895	264
	2019	5,033	249	45	3	64	5,170	276
	2020	4,674	668	130	0	913	4,298	226
Korea, Dem.Ppl's.Rep.	2017	191	59	..	..	..	250	10
	2018	191	58	..	..	..	249	10
	2019	191	70	..	..	..	261	10
	2020	191	64	..	..	..	255	10
Korea, Republic of	2017	47,108	271	23,561	1,288	-111	22,641	440
	2018	49,006	241	25,585	1,104	199	22,359	433
	2019	50,065	235	26,201	1,461	-91	22,729	439
	2020	47,829	124	26,763	1,492	-318	20,016	386
Kuwait	2017	8,476	..	5,924	83	..	2,469	599
	2018	8,397	..	5,749	82	..	2,567	594
	2019	8,168	..	5,742	80	..	2,347	528
	2020	8,866	..	6,018	87	..	2,761	633
Kyrgyzstan	2017	89	541	2	..	9	619	101
	2018	79	706	1	..	34	750	121
	2019	83	535	17	..	-40	641	101
	2020	58	533	17	..	55	519	81
Lao People's Dem. Rep.	2017	..	816	..	..	..	816	117
	2018	..	850	..	..	..	850	120
	2019	..	*860	..	..	..	*860	*119
	2020	..	*843	..	..	..	*843	*115
Lebanon	2017	..	3,738	..	..	..	3,738	612
	2018	..	3,426	..	..	..	3,426	576
	2019	..	3,590	..	..	..	3,590	621
	2020	..	*3,427	..	..	*500	*2,927	*517
Malaysia	2017	10,185	5,087	5,054	91	64	10,063	315
	2018	10,208	6,751	7,128	99	-80	9,812	303
	2019	9,768	5,256	5,485	103	*-700	10,136	309
	2020	8,677	6,124	5,091	125	*-675	10,260	309
Maldives	2017	..	448	..	*41	..	407	861
	2018	..	522	..	*50	..	472	963
	2019	..	579	..	*55	..	524	1,039
	2020	..	516	..	*55	..	461	897
Mongolia	2017	..	805	..	..	..	805	260
	2018	..	849	..	..	..	849	268
	2019	..	1,080	..	..	..	1,080	334
	2020	..	1,027	..	..	..	1,027	312
Myanmar	2017	151	2,095	..	..	82	2,164	41
	2018	115	4,035	..	1	..	4,149	79
	2019	103	4,184	..	1	..	4,286	81
	2020	94	3,337	..	..	..	3,431	64
Nepal	2017	..	1,313	..	..	..	1,313	47
	2018	..	1,421	..	..	..	1,421	50
	2019	..	1,240	..	..	..	1,240	43
	2020	..	1,402	..	..	..	1,402	48
Oman	2017	3,437	235	718	..	..	2,954	650
	2018	3,769	236	1,629	..	..	2,375	516
	2019	3,463	243	1,278	..	..	2,429	528
	2020	3,751	249	1,981	..	..	2,020	445

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
Other Asia	2017	13,343	39	8,256	98	141	4,887	206
	2018	14,379	..	9,403	123	111	4,741	200
	2019	14,847	..	9,932	209	-128	4,835	203
	2020	11,352	..	6,538	139	-167	4,842	203
Pakistan	2017	5,501	4,486	..	6	72	9,909	46
	2018	5,232	3,097	0	6	..	8,323	38
	2019	4,715	3,086	0	..	..	7,801	35
	2020	3,725	2,484	4	2	-288	6,492	29
Philippines	2017	3,840	5,547	0	11	105	9,271	87
	2018	4,589	5,364	123	20	183	9,628	89
	2019	3,227	6,841	75	14	136	9,844	89
	2020	2,061	5,806	152	20	-311	8,006	71
Qatar	2017	1,973	115	3,271	..	-949	-234	-86
	2018	2,059	75	3,877	..	-39	-1,703	-616
	2019	1,948	78	2,885	..	0	-859	-306
	2020	1,626	72	2,468	..	..	-770	-279
Saudi Arabia	2017	54,486	4,510	30,545	..	-189	28,640	838
	2018	54,156	9,894	41,760	..	..	22,290	637
	2019	53,355	*987	*29,851	..	*-329	24,820	693
	2020	49,979	442	24,834	..	500	25,086	697
Singapore	2017	10,967	13,944	24,753	2,021	141	-2,004	-348
	2018	9,185	12,710	23,340	2,286	..	-3,731	-642
	2019	10,734	11,777	21,190	3,883	..	-2,563	-437
	2020	9,120	12,788	19,915	4,695	..	-2,702	-457
Sri Lanka	2017	506	1,763	..	46	-95	2,318	108
	2018	568	1,483	..	47	-5	2,009	93
	2019	624	1,587	..	79	18	2,116	98
	2020	538	1,192	..	13	-5	1,722	79
State of Palestine	2017	..	636	..	..	..	636	135
	2018	..	563	..	..	0	563	117
	2019	..	655	..	..	..	655	133
	2020	..	653	..	..	..	653	130
Syrian Arab Republic	2017	2,025	178	..	258	..	1,944	102
	2018	2,554	174	..	262	..	2,466	128
	2019	2,193	8	..	272	..	1,929	96
	2020	2,002	13	..	258	..	1,757	85
Tajikistan	2017	10	183	..	..	..	193	22
	2018	17	203	..	..	..	220	24
	2019	13	250	..	..	..	262	28
	2020	6	298	..	..	..	304	32
Thailand	2017	23,150	700	4,513	..	515	18,821	265
	2018	23,152	501	4,761	..	551	18,341	258
	2019	20,637	2,042	3,249	..	-212	19,642	275
	2020	25,505	47	4,875	..	391	20,285	284
Timor-Leste	2017	..	149	..	..	..	149	120
	2018	..	130	..	..	..	130	103
	2019	..	161	..	..	..	161	126
	2020	..	155	..	..	..	155	119
Türkiye	2017	10,545	14,373	233	72	176	24,437	298
	2018	9,530	14,719	120	90	-99	24,138	291
	2019	13,938	11,183	1,382	145	-106	23,700	284
	2020	17,160	8,842	2,619	272	135	22,975	273

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
Turkmenistan	2017	2,770	..	690	..	..	2,080	349
	2018	2,770	..	690	..	..	2,080	343
	2019	2,770	..	690	..	..	2,080	338
	2020	2,770	..	690	..	..	2,080	333
United Arab Emirates	2017	10,427	204	7,015	177	451	2,988	329
	2018	10,929	603	8,421	93	..	3,017	330
	2019	11,343	158	9,753	81	..	1,667	181
	2020	10,660	158	7,510	76	..	3,231	348
Uzbekistan	2017	1,017	..	..	..	-25	1,042	33
	2018	1,081	..	..	..	17	1,064	33
	2019	1,030	71	..	..	-3	1,104	33
	2020	954	416	..	..	-3	1,373	41
Viet Nam	2017	2,481	7,309	527	..	-56	9,319	99
	2018	4,286	6,417	573	..	201	9,928	105
	2019	5,647	5,014	478	..	..	10,183	106
	2020	6,315	4,814	624	..	345	10,160	105
Yemen	2017	82	488	..	46	..	524	17
	2018	507	492	..	46	..	953	31
	2019	469	498	..	47	..	921	29
	2020	328	456	..	43	..	741	23
Europe	2017	363,544	151,710	153,966	25,335	-5,095	341,049	457
	2018	358,689	143,916	141,140	20,559	-2,658	343,564	460
	2019	363,949	149,743	157,397	11,602	2,463	342,230	457
	2020	340,903	140,714	139,783	17,517	5,315	319,003	426
Albania	2017	246	635	19	36	16	810	281
	2018	229	665	40	31	16	807	281
	2019	206	686	28	22	31	811	282
	2020	110	667	10	31	26	710	248
Andorra	2017	..	131	..	..	..	131	1,780
	2018	..	138	..	..	..	138	1,845
	2019	..	133	..	..	..	133	1,741
	2020	..	103	..	..	..	103	1,320
Austria	2017	3,981	5,107	964	17	-61	8,168	928
	2018	4,053	5,065	1,008	13	-25	8,123	919
	2019	4,179	5,176	1,077	14	160	8,104	913
	2020	3,794	4,923	1,017	13	261	7,425	834
Belarus	2017	6,583	790	4,303	..	202	2,868	295
	2018	6,471	209	3,450	..	174	3,056	315
	2019	7,035	0	3,900	..	112	3,023	312
	2020	6,128	7	3,283	..	33	2,819	293
Belgium	2017	13,267	10,629	12,310	1,053	-827	11,360	998
	2018	13,930	9,844	11,575	1,296	-118	11,021	963
	2019	15,091	8,197	10,982	1,160	396	10,750	934
	2020	13,409	8,197	9,141	1,346	525	10,594	916
Bosnia and Herzegovina	2017	366	807	11	..	12	1,150	334
	2018	300	839	23	..	-21	1,137	334
	2019	9	1,176	2	..	-12	1,195	356
	2020	..	1,106	..	..	2	1,104	333
Bulgaria	2017	3,191	1,035	1,775	57	-17	2,412	336
	2018	2,702	807	966	57	-86	2,572	361
	2019	3,359	893	1,571	59	-54	2,676	379
	2020	2,657	927	1,025	68	5	2,485	356

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
Croatia	2017	1,492	1,414	939	4	34	1,929	460
	2018	1,583	1,338	976	16	39	1,890	454
	2019	1,274	1,963	1,123	20	109	1,985	481
	2020	1,232	1,501	844	16	24	1,848	451
Czechia	2017	3,679	2,087	898	..	-46	4,914	467
	2018	3,505	2,410	842	..	114	4,959	471
	2019	3,648	2,226	843	..	-2	5,033	478
	2020	3,067	2,542	794	..	19	4,796	455
Denmark	2017	4,538	2,732	2,354	390	-331	4,856	846
	2018	4,687	2,396	1,763	370	-194	5,144	892
	2019	4,455	2,706	1,965	365	285	4,545	784
	2020	4,267	2,280	1,763	338	239	4,206	722
Estonia	2017	..	789	..	112	32	645	489
	2018	..	902	74	157	-46	717	542
	2019	..	834	41	63	51	679	512
	2020	..	833	37	114	-2	684	514
Faeroe Islands	2017	..	*168	..	16	..	*152	*3,023
	2018	..	*176	..	18	..	*157	*3,087
	2019	..	*177	..	19	..	*158	*3,053
	2020	..	*187	..	25	..	*162	*3,092
Finland	2017	6,605	1,782	3,739	70	-261	4,839	879
	2018	6,652	1,556	3,587	57	-161	4,725	857
	2019	6,655	1,592	3,773	71	-103	4,506	816
	2020	6,216	1,920	3,382	72	354	4,328	783
France	2017	27,905	21,965	2,592	181	-150	47,247	711
	2018	26,204	22,454	2,195	171	-288	46,581	700
	2019	23,887	24,359	2,566	139	-81	45,621	684
	2020	18,081	25,020	1,493	152	304	41,151	616
Germany	2017	45,709	19,456	9,022	862	-255	55,536	672
	2018	43,143	18,551	8,221	734	-405	53,144	641
	2019	44,045	19,896	7,480	706	200	55,555	668
	2020	44,650	17,764	8,249	532	-236	53,869	646
Gibraltar	2017	..	588	..	471	..	117	3,580
	2018	..	586	..	460	..	126	3,857
	2019	..	607	..	471	..	136	4,157
	2020	..	606	..	479	..	127	3,897
Greece	2017	10,992	1,151	7,127	340	138	4,539	424
	2018	11,172	999	7,571	323	25	4,252	400
	2019	10,453	1,508	7,060	384	-70	4,587	434
	2020	11,700	1,320	8,368	342	146	4,164	396
Hungary	2017	3,167	1,671	1,414	..	-20	3,444	352
	2018	3,302	2,279	1,939	..	-75	3,717	380
	2019	3,245	2,119	1,450	..	48	3,866	396
	2020	3,212	1,601	1,294	..	7	3,512	360
Iceland	2017	13	347	..	33	2	325	945
	2018	15	369	..	42	35	307	871
	2019	12	393	..	45	-10	370	1,025
	2020	4	387	..	24	-15	382	1,041
Ireland	2017	1,303	2,785	185	138	61	3,705	776
	2018	1,184	2,885	99	152	-8	3,827	792
	2019	1,131	3,069	159	127	-38	3,953	807
	2020	1,158	2,577	243	140	-176	3,530	714

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
Italy	2017	30,685	5,037	10,188	282	-232	25,484	424
	2018	30,373	5,347	8,982	482	-363	26,619	444
	2019	32,879	5,196	9,618	512	123	27,821	466
	2020	27,204	4,579	7,702	565	53	23,464	394
Kosovo	2017	..	462	..	..	..	462	267
	2018	..	494	..	..	..	494	289
	2019	..	494	..	..	..	494	293
	2020	..	498	..	..	..	498	298
Latvia	2017	3	1,712	528	136	21	1,030	527
	2018	33	1,735	679	36	-19	1,072	554
	2019	32	1,595	318	248	9	1,052	549
	2020	40	1,457	146	201	111	1,039	548
Lithuania	2017	3,392	665	3,172	73	-55	868	299
	2018	3,480	521	2,726	83	48	1,145	398
	2019	3,329	527	2,620	79	-23	1,180	414
	2020	2,693	562	2,006	75	89	1,086	385
Luxembourg	2017	..	1,917	1	..	-7	1,924	3,227
	2018	..	2,013	2	..	-6	2,018	3,319
	2019	..	2,069	3	..	14	2,052	3,309
	2020	..	1,666	2	..	-1	1,666	2,643
Malta	2017	8	635	69	322	88	163	340
	2018	10	643	193	360	-78	177	361
	2019	11	728	136	378	29	195	388
	2020	14	645	106	394	-31	189	366
Montenegro	2017	..	252	..	..	14	238	376
	2018	..	259	..	..	1	258	409
	2019	..	256	..	..	-15	272	431
	2020	..	230	..	..	-9	239	380
Netherlands	2017	19,438	16,818	29,299	2,083	-1,461	6,336	368
	2018	18,939	12,056	23,285	2,001	-719	6,428	372
	2019	21,225	12,817	24,591	2,015	700	6,736	388
	2020	21,242	11,650	23,527	2,086	1,114	6,165	354
North Macedonia	2017	0	661	39	..	-3	625	296
	2018	..	667	53	..	-7	620	294
	2019	..	751	63	..	21	667	316
	2020	..	656	51	..	18	586	278
Norway	2017	7,193	1,717	4,241	236	-110	4,543	861
	2018	7,845	1,580	4,115	269	41	5,001	941
	2019	7,019	2,079	4,096	238	-114	4,878	912
	2020	6,210	2,441	3,262	224	150	5,014	932
Poland	2017	12,338	5,209	187	211	259	16,890	438
	2018	13,282	4,810	36	189	104	17,763	461
	2019	13,709	4,549	59	192	53	17,954	466
	2020	13,795	4,309	325	212	-11	17,579	457
Portugal	2017	6,218	893	2,079	130	-7	4,908	476
	2018	5,520	857	1,134	137	95	5,011	487
	2019	4,915	1,258	900	153	7	5,113	497
	2020	5,048	929	1,303	140	62	4,473	434
Republic of Moldova	2017	1	594	21	..	-4	578	182
	2018	2	610	24	..	..	588	187
	2019	..	622	9	..	-2	615	198
	2020	..	608	..	..	10	598	194

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
Romania	2017	5,862	1,366	1,547	28	28	5,625	286
	2018	5,886	1,457	1,586	18	-128	5,867	299
	2019	6,447	1,227	1,531	34	-8	6,117	313
	2020	6,097	1,280	1,172	42	104	6,059	312
Russian Federation	2017	80,090	143	*33,684	14,375	45	32,129	221
	2018	77,464	57	*33,468	*9,645	212	34,196	235
	2019	81,560	62	51,528	385	408	29,301	201
	2020	79,113	400	40,096	5,383	..	34,034	234
Serbia	2017	1,401	527	220	14	0	1,695	227
	2018	1,572	459	233	17	33	1,748	235
	2019	1,458	675	250	16	-39	1,905	257
	2020	1,594	549	274	16	31	1,823	248
Slovakia	2017	3,006	1,048	2,064	..	-9	1,999	368
	2018	2,857	988	1,803	..	11	2,031	373
	2019	2,714	973	1,653	..	-3	2,037	373
	2020	2,924	849	1,891	..	-2	1,884	345
Slovenia	2017	24	3,135	1,364	..	69	1,725	822
	2018	74	3,151	1,449	19	-6	1,764	837
	2019	102	3,280	1,608	28	18	1,727	818
	2020	96	2,600	1,243	9	-47	1,490	704
Spain	2017	28,426	5,085	6,578	1,271	-503	26,165	562
	2018	28,846	4,748	6,140	1,249	-61	26,266	561
	2019	28,669	5,026	5,983	1,594	144	25,974	551
	2020	25,651	5,817	7,148	2,464	441	21,415	452
Sweden	2017	9,032	2,910	6,938	723	-1,320	5,601	557
	2018	9,646	2,262	6,361	523	-260	5,284	520
	2019	6,690	2,591	3,887	476	-276	5,194	506
	2020	7,080	3,344	4,423	684	1,488	3,828	369
Switzerland	2017	1,786	3,814	28	4	-89	5,657	669
	2018	1,939	2,902	29	3	-363	5,171	607
	2019	1,744	4,004	16	3	165	5,564	649
	2020	1,835	3,525	18	2	56	5,285	612
Ukraine	2017	680	5,422	193	..	-359	6,268	140
	2018	*730	5,594	214	..	-137	6,247	141
	2019	*813	6,257	264	..	38	6,768	153
	2020	*850	6,089	..	..	31	6,908	157
United Kingdom	2017	20,923	15,619	3,875	1,667	12	30,988	469
	2018	21,057	16,239	4,299	1,630	-28	31,395	473
	2019	21,950	14,998	4,242	1,586	192	30,928	463
	2020	19,733	11,563	4,145	1,327	142	25,683	383
Latin America & Carib.	2017	87,508	55,192	4,249	2,191	-82	136,342	215
	2018	83,175	55,656	4,610	2,347	-253	132,127	206
	2019	80,513	53,998	3,351	2,458	-1,169	129,871	201
	2020	76,171	47,176	4,152	1,882	-720	118,033	181
Anguilla	2017	..	30	..	*5	*-1	26	1,738
	2018	..	26	..	*5	*-6	27	1,779
	2019	..	34	..	*5	*-2	31	2,003
	2020	..	25	..	*5	*-9	29	1,874
Antigua and Barbuda	2017	..	*37	*1	..	..	*36	*392
	2018	..	*39	*1	..	..	*38	*417
	2019	..	*41	*1	..	..	*40	*432
	2020	..	*39	*1	..	..	*38	*409

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
Argentina	2017	11,024	3,029	4	115	-9	13,943	316
	2018	10,424	2,685	33	134	11	12,931	291
	2019	10,616	1,951	29	80	-157	12,615	282
	2020	9,726	1,380	*44	*122	-247	11,187	248
Aruba	2017	..	*24	..	..	..	*24	*223
	2018	..	*24	..	..	..	*24	*224
	2019	..	*22	..	..	..	*22	*209
	2020	..	*21	..	..	..	*21	*196
Bahamas	2017	..	403	..	..	*-63	466	1,168
	2018	..	503	..	..	*35	468	1,164
	2019	..	499	..	..	*25	474	1,172
	2020	..	372	..	..	*-100	472	1,161
Barbados	2017	..	73	..	..	-1	74	264
	2018	..	68	..	..	-6	74	266
	2019	..	78	..	..	0	78	279
	2020	..	69	..	..	7	62	222
Belize	2017	..	78	..	..	..	78	207
	2018	..	69	..	..	..	69	180
	2019	..	88	..	..	..	88	227
	2020	..	67	..	..	..	67	169
Bolivia (Plur. State of)	2017	745	943	..	..	-3	1,691	148
	2018	724	1,059	..	..	1	1,782	154
	2019	582	1,261	..	..	11	1,832	156
	2020	623	877	..	..	-2	1,502	126
Bonaire, St Eustatius, Saba	2017	..	*25	..	*12	*7	*7	*268
	2018	..	*14	..	*11	*-3	*7	*272
	2019	..	*14	..	*11	*-4	*7	*270
	2020	..	*13	..	*7	0	*6	*245
Brazil	2017	39,056	11,259	439	158	97	49,621	238
	2018	41,052	10,124	830	412	-155	50,089	238
	2019	40,713	11,304	48	473	196	51,300	242
	2020	42,347	10,424	285	541	-26	51,971	244
British Virgin Islands	2017	..	*44	..	..	..	*44	*1,474
	2018	..	*38	..	..	..	*38	*1,246
	2019	..	*39	..	..	..	*39	*1,258
	2020	..	*39	..	..	..	*39	*1,246
Cayman Islands	2017	..	142	..	..	..	142	2,233
	2018	..	144	..	..	..	144	2,218
	2019	..	164	..	..	..	164	2,478
	2020	..	157	..	..	..	157	2,335
Chile	2017	3,073	5,245	23	0	45	8,249	449
	2018	3,052	5,497	7	..	0	8,542	457
	2019	3,077	5,506	17	..	0	8,566	450
	2020	2,529	5,831	16	..	0	8,343	432
Colombia	2017	6,163	1,026	882	..	..	6,307	130
	2018	7,190	621	1,599	..	..	6,212	126
	2019	6,458	1,228	2,062	111	-571	6,084	121
	2020	6,295	1,223	2,350	113	..	5,054	99
Costa Rica	2017	..	1,045	..	..	9	1,037	208
	2018	..	1,014	..	..	-12	1,026	204
	2019	..	1,017	..	..	-12	1,030	202
	2020	..	885	..	..	8	877	171

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
Cuba	2017	714	1,378	*444	*29	..	1,619	143
	2018	703	1,178	*94	*30	..	1,757	155
	2019	447	730	..	*32	..	1,145	101
	2020	541	539	..	*28	..	1,052	93
Curaçao	2017	845	661	838	259	..	408	2,379
	2018	641	666	636	254	..	417	2,260
	2019	0	700	0	245	..	455	2,356
	2020	..	584	..	200	..	384	2,030
Dominica	2017	..	*24	..	..	..	*24	*342
	2018	..	*27	..	..	..	*27	*378
	2019	..	*29	..	..	..	*29	*405
	2020	..	*27	..	..	..	*27	*372
Dominican Republic	2017	274	1,072	..	..	28	1,318	124
	2018	356	1,094	..	..	0	1,450	135
	2019	328	1,215	..	..	0	1,543	142
	2020	129	1,029	..	..	0	1,158	105
Ecuador	2017	1,876	2,384	..	44	-10	4,227	253
	2018	1,820	2,703	..	56	7	4,460	262
	2019	1,741	2,856	..	50	26	4,521	261
	2020	1,310	2,485	..	22	-14	3,787	215
El Salvador	2017	..	687	19	..	..	668	107
	2018	..	702	8	..	..	694	111
	2019	..	722	3	..	..	719	114
	2020	..	646	..	..	..	646	103
Falkland Is. (Malvinas)	2017	..	7	..	..	0	8	2,086
	2018	..	8	..	..	0	8	2,090
	2019	..	8	..	..	0	8	2,135
	2020	..	9	..	..	0	9	2,290
Grenada	2017	..	66	..	..	4	61	506
	2018	..	68	..	..	0	68	558
	2019	..	76	..	..	..	76	619
	2020	..	66	..	..	0	66	530
Guatemala	2017	47	1,685	18	412	-18	1,321	80
	2018	50	1,642	6	423	-93	1,357	81
	2019	57	1,883	9	423	33	1,475	86
	2020	*65	1,665	7	389	-35	1,369	79
Guyana	2017	..	323	..	..	-6	329	430
	2018	..	348	..	..	-1	349	444
	2019	..	408	5	..	-4	407	509
	2020	..	426	20	..	-3	409	513
Haiti	2017	..	510	..	..	..	510	47
	2018	..	539	..	..	..	539	49
	2019	..	481	..	..	..	481	43
	2020	..	339	..	..	..	339	30
Honduras	2017	..	935	..	..	76	859	89
	2018	..	915	2	..	35	878	90
	2019	..	933	20	..	..	912	92
	2020	..	818	30	..	20	768	76
Jamaica	2017	108	250	..	51	12	295	105
	2018	102	316	39	44	-3	338	120
	2019	125	338	..	61	-2	404	144
	2020	183	267	..	69	-2	384	136

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
Mexico	2017	11,165	12,680	192	712	-185	23,126	188
	2018	5,966	13,804	195	610	78	18,887	152
	2019	6,972	12,167	601	705	-422	18,255	146
	2020	6,427	9,384	777	135	-11	14,910	118
Montserrat	2017	..	6	..	*1	..	5	958
	2018	..	6	..	*1	..	5	1,124
	2019	..	5	..	*1	..	4	954
	2020	..	5	..	*1	..	4	978
Nicaragua	2017	169	461	0	..	-12	642	99
	2018	210	379	..	..	-2	592	90
	2019	233	351	0	..	7	576	86
	2020	267	281	..	..	-23	571	85
Panama	2017	..	1,162	..	..	-204	1,366	334
	2018	..	1,171	..	..	-125	1,295	311
	2019	..	1,211	..	..	-18	1,229	290
	2020	..	652	..	..	-223	874	204
Paraguay	2017	..	1,551	..	..	-59	1,610	253
	2018	..	1,689	..	..	31	1,658	257
	2019	..	1,646	..	..	27	1,618	248
	2020	..	1,598	..	..	28	1,570	237
Peru	2017	3,430	3,668	518	..	208	6,371	202
	2018	3,158	3,574	444	11	-42	6,320	196
	2019	2,949	3,497	265	19	-255	6,417	196
	2020	2,744	3,435	319	9	-87	5,938	178
Sint Maarten (Dutch part)	2017	..	*162	..	*63	..	*99	*2,354
	2018	..	*158	..	*61	..	*96	*2,277
	2019	..	*159	..	*62	..	*97	*2,259
	2020	..	*150	..	*56	..	*94	*2,155
St. Kitts-Nevis	2017	..	*59	..	..	..	*59	*1,224
	2018	..	*59	..	..	..	*59	*1,240
	2019	..	*60	..	..	..	*60	*1,258
	2020	..	*56	..	..	..	*56	*1,178
St. Lucia	2017	..	107	..	1	..	105	595
	2018	..	112	..	1	..	111	623
	2019	..	110	..	*1	..	109	609
	2020	..	*106	..	*1	..	*105	*588
St. Vincent-Grenadines	2017	..	25	..	..	*-11	36	341
	2018	..	46	..	..	*5	41	388
	2019	..	30	..	..	*-9	39	374
	2020	..	31	..	..	*-9	40	384
Suriname	2017	293	109	100	7	..	295	502
	2018	301	44	80	6	..	259	436
	2019	311	108	67	*6	..	347	577
	2020	292	89	5	*6	..	369	608
Trinidad and Tobago	2017	1,468	..	771	201	-7	503	340
	2018	1,178	..	638	166	-4	377	251
	2019	..	783	223	58	-4	506	333
	2020	..	862	297	77	-4	492	324
Turks and Caicos Islands	2017	..	*75	..	..	..	*75	*1,882
	2018	..	*77	..	..	..	*77	*1,844
	2019	..	*77	..	..	..	*77	*1,794
	2020	..	*76	..	..	..	*76	*1,716

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
Uruguay	2017	237	698	..	69	21	846	247
	2018	923	14	..	80	-4	861	251
	2019	892	0	..	88	-34	838	244
	2020	886	127	..	83	12	917	267
Venezuela (Bolivar. Rep.)	2017	6,821	1,047	0	51	0	7,816	256
	2018	5,325	2,392	..	41	..	7,676	257
	2019	5,011	170	..	27	..	5,154	178
	2020	1,808	4	..	19	..	1,792	63
Northern America	2017	277,827	9,915	75,334	8,363	-2,824	206,869	564
	2018	282,442	12,321	69,524	7,212	-580	218,607	592
	2019	282,602	12,330	72,217	10,360	-2,661	215,016	578
	2020	263,296	13,284	66,621	5,569	3,075	201,315	538
Bermuda	2017	..	70	..	..	*15	55	869
	2018	..	37	..	..	0	37	584
	2019	..	29	..	..	0	29	451
	2020	..	21	..	..	..	21	324
Canada	2017	32,905	1,079	8,027	87	156	25,714	703
	2018	30,618	2,164	6,397	85	121	26,179	707
	2019	32,995	1,187	7,813	110	-51	26,311	701
	2020	32,373	816	7,498	124	80	25,486	673
Greenland	2017	..	135	..	18	-2	120	2,142
	2018	..	141	..	20	*-9	130	2,332
	2019	..	149	..	18	*6	125	2,244
	2020	..	162	..	20	*7	135	2,409
St. Pierre-Miquelon	2017	..	*24	..	*6	..	*17	*2,921
	2018	..	*21	..	*5	..	*16	*2,725
	2019	..	*23	..	*5	..	*18	*2,970
	2020	..	*20	..	*3	..	*17	*2,861
United States	2017	244,922	8,607	67,307	8,252	-2,993	180,963	549
	2018	251,824	9,958	63,127	7,102	-692	192,244	579
	2019	249,607	10,942	64,404	10,227	-2,616	188,534	564
	2020	230,923	12,266	59,123	5,422	2,988	175,656	523
Oceania	2017	9,764	18,253	238	185	-214	27,808	665
	2018	9,973	20,356	215	196	284	29,635	697
	2019	10,045	20,697	256	221	287	29,978	693
	2020	9,366	21,721	160	272	-179	30,834	702
American Samoa	2017	..	*90	..	*8	..	*82	*1,662
	2018	..	*90	..	*8	..	*82	*1,698
	2019	..	*90	..	*8	..	*82	*1,737
	2020	..	*90	..	*8	..	*82	*1,776
Australia	2017	7,279	15,418	89	47	-173	22,733	924
	2018	7,707	16,993	73	54	308	24,266	971
	2019	7,596	17,352	95	77	258	24,519	967
	2020	7,022	18,523	69	100	-165	25,541	995
Cook Islands	2017	..	*16	..	..	..	*16	*891
	2018	..	*16	..	..	..	*16	*898
	2019	..	*16	..	..	..	*16	*918
	2020	..	*13	..	..	..	*13	*734
Fiji	2017	..	385	118	*55	..	212	231
	2018	..	*402	*142	*60	..	*201	*218
	2019	..	*390	*130	*55	..	*205	*223
	2020	..	*260	*90	*21	..	*149	*162

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
French Polynesia	2017	..	138	..	..	-2	141	477
	2018	..	141	..	..	3	137	462
	2019	..	135	..	..	-4	139	465
	2020	..	139	..	..	6	133	441
Kiribati	2017	..	13	..	..	..	13	107
	2018	..	*13	..	..	..	*13	*107
	2019	..	*13	..	..	..	*13	*106
	2020	..	*13	..	..	..	*13	*103
Marshall Islands	2017	..	*36	..	..	..	*36	*757
	2018	..	*36	..	..	..	*36	*783
	2019	..	*36	..	..	..	*36	*805
	2020	..	*36	..	..	..	*36	*820
Micronesia (Fed. States of)	2017	..	*30	..	*3	..	*27	*240
	2018	..	*30	..	*3	..	*27	*240
	2019	..	*30	..	*3	..	*27	*238
	2020	..	*30	..	*3	..	*27	*236
Nauru	2017	..	*10	..	..	..	*10	*870
	2018	..	*10	..	..	..	*10	*831
	2019	..	*10	..	..	..	*10	*804
	2020	..	*10	..	..	..	*10	*804
New Caledonia	2017	..	294	..	7	5	282	993
	2018	..	350	..	13	-3	340	1,193
	2019	..	314	..	9	-5	310	1,085
	2020	..	311	..	8	16	287	1,003
New Zealand	2017	1,942	979	31	38	-56	2,908	613
	2018	1,790	1,259	0	34	-36	3,051	631
	2019	2,028	1,258	31	45	47	3,163	638
	2020	1,803	1,459	..	117	-10	3,155	623
Niue	2017	..	*1	..	..	..	*1	*572
	2018	..	*1	..	..	..	*1	*581
	2019	..	*1	..	..	..	*1	*649
	2020	..	*1	..	..	..	*1	*626
Northern Mariana Islands	2017	..	*177	..	*21	..	*156	*3,075
	2018	..	*171	..	*18	..	*153	*3,042
	2019	..	*172	..	*18	..	*154	*3,089
	2020	..	*120	..	*10	..	*110	*2,218
Palau	2017	..	*29	..	..	..	*29	*1,626
	2018	..	*28	..	..	..	*28	*1,573
	2019	..	*29	..	..	..	*29	*1,591
	2020	..	*28	..	..	..	*28	*1,530
Papua New Guinea	2017	543	465	..	..	11	997	109
	2018	475	636	..	..	11	1,100	118
	2019	422	655	..	..	-11	1,088	114
	2020	541	479	..	..	-23	1,044	107
Samoa	2017	..	49	*1	..	*2	47	225
	2018	..	45	*1	..	*1	43	206
	2019	..	53	*1	..	*2	51	240
	2020	..	*44	0	..	*-2	*45	*210
Solomon Islands	2017	..	*77	..	*5	..	*72	*112
	2018	..	*79	..	*6	..	*73	*111
	2019	..	*80	..	*6	..	*74	*110
	2020	..	*77	..	*5	..	*73	*105

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
Tonga	2017	..	0	..	..	..	0	0
	2018	..	0	..	..	..	0	0
	2019	..	9	..	..	..	9	89
	2020	..	24	..	..	..	24	233
Tuvalu	2017	..	*2	..	..	..	*2	*180
	2018	..	*2	..	..	..	*2	*212
	2019	..	*2	..	..	..	*2	*210
	2020	..	*2	..	..	..	*2	*199
Vanuatu	2017	..	38	..	..	..	38	131
	2018	..	48	..	..	..	48	160
	2019	..	44	..	..	..	44	145
	2020	..	55	..	..	..	55	178
Wallis and Futuna Is.	2017	..	7	..	..	..	7	548
	2018	..	7	..	..	..	7	569
	2019	..	7	..	..	..	7	598
	2020	..	7	..	..	..	7	640

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, 1990-2020

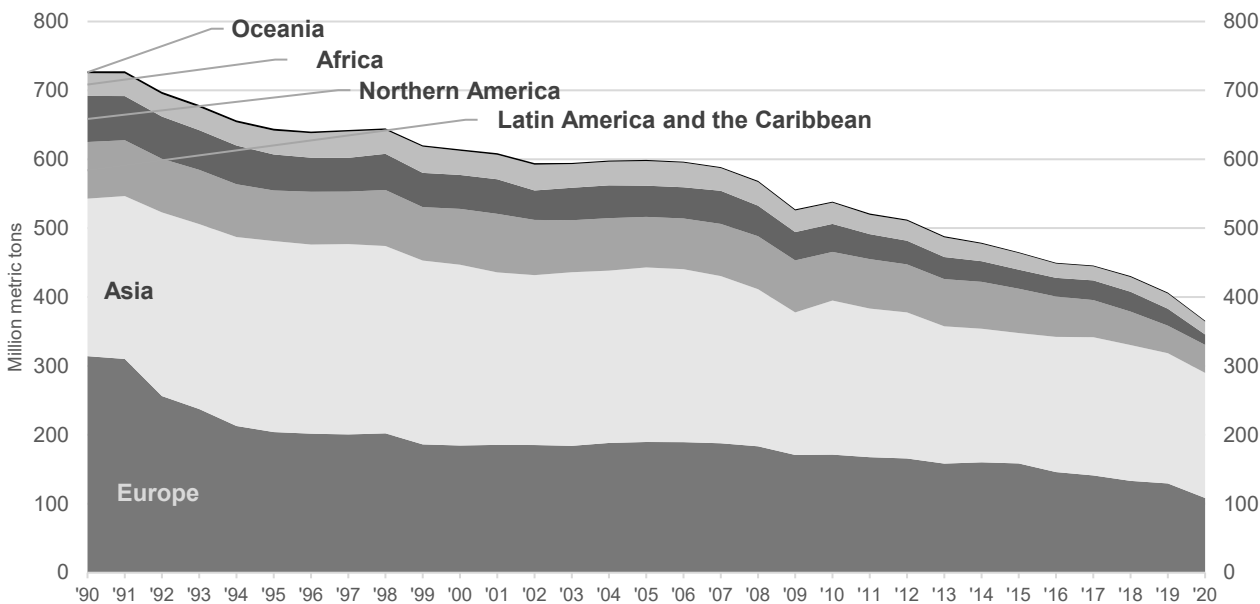


Figure 61: Major fuel oil producing countries, 2020

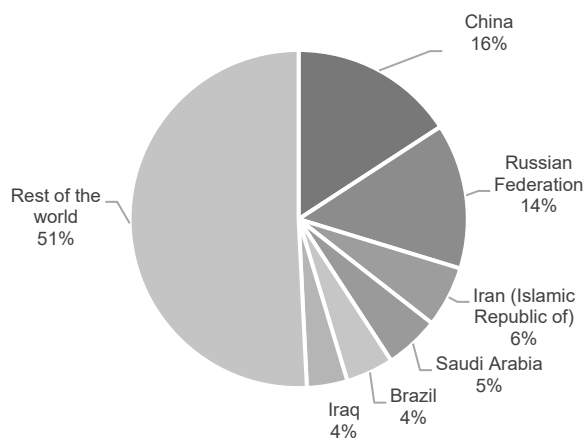


Figure 62: Major fuel oil consuming countries, 2020

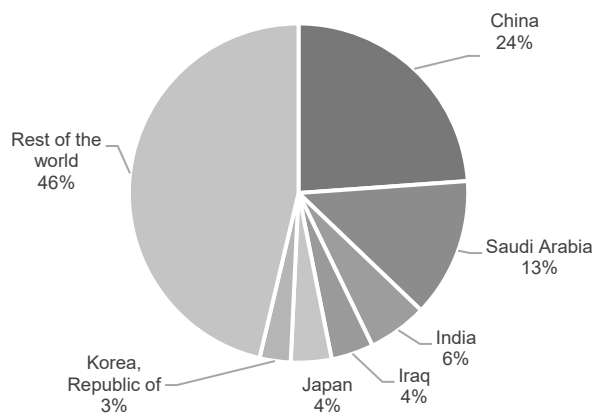


Table 22

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	2017	445,709	232,952	286,475	173,598	-4,167	222,755	29
	2018	430,462	227,977	273,734	171,225	-5,878	219,359	29
	2019	406,510	212,433	237,353	170,177	809	210,604	27
	2020	365,527	202,768	222,512	160,441	4,004	181,338	23
Africa	2017	20,424	8,050	9,620	1,804	-61	17,110	14
	2018	21,449	6,628	9,253	3,067	-143	15,900	12
	2019	21,959	6,236	8,509	2,789	341	16,555	12
	2020	18,886	6,257	12,968	2,811	-607	9,970	7
Algeria	2017	6,402	186	6,379	172	25	12	0
	2018	5,822	141	5,810	156	-21	18	0
	2019	5,915	79	5,687	17	129	161	4
	2020	5,920	..	5,793	80	-52	99	2
Angola	2017	947	..	582	388	*50	-72	-2
	2018	614	..	377	252	*20	-35	-1
	2019	1,072	..	409	273	399	-8	0
	2020	574	..	556	182	-253	91	3
Benin	2017	..	14	..	1	-9	22	2
	2018	..	25	..	..	-2	27	2
	2019	..	39	..	..	5	34	3
	2020	..	48	..	..	5	43	3
Botswana	2017	..	12	..	..	..	12	5
	2018	..	13	..	..	..	13	5
	2019	..	13	..	..	..	13	5
	2020	..	12	..	..	..	12	5
Burkina Faso	2017	..	224	..	..	*20	204	10
	2018	..	225	..	..	..	225	11
	2019	..	212	..	..	*-3	215	10
	2020	..	189	..	..	*11	178	8
Burundi	2017	..	*24	..	..	..	*24	*2
	2018	..	*31	..	..	..	*31	*3
	2019	..	*32	..	..	..	*32	*3
	2020	..	*23	..	..	..	*23	*2
Cabo Verde	2017	..	*107	..	*43	..	*65	*115
	2018	..	*110	..	*41	*6	*62	*109
	2019	..	*111	..	*45	..	*66	*114
	2020	..	*102	..	*39	..	*63	*107
Cameroon	2017	222	..	97	0	..	126	5
	2018	201	..	72	..	..	130	5
	2019	104	47	37	..	..	114	4
	2020	..	98	..	..	..	98	4
Central African Rep.	2017	..	*2	..	..	..	*2	0
	2018	..	*2	..	..	..	*2	0
	2019	..	*2	..	..	..	*2	0
	2020	..	*3	..	..	..	*3	*1
Chad	2017	*24	..	*18	..	0	*6	0
	2018	*24	..	*20	..	..	*4	0
	2019	*26	..	*20	..	..	*6	0
	2020	*25	..	*19	..	..	*6	0
Congo	2017	358	16	343	..	..	31	6
	2018	362	16	348	..	..	30	6
	2019	368	16	352	..	..	32	6
	2020	367	16	255	..	94	34	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	2017	*313	..	*254	6	..	*53	*2
	2018	652	..	623	7	..	22	1
	2019	704	..	691	7	..	5	0
	2020	632	..	619	7	..	6	0
Dem. Rep. of the Congo	2017	..	*90	..	..	..	*90	*1
	2018	..	*168	..	..	..	*168	*2
	2019	..	*162	..	..	..	*162	*2
	2020	..	*157	..	..	..	*157	*2
Djibouti	2017	..	9	..	*9	0	0	0
	2018	..	9	..	*9	..	0	0
	2019	..	29	..	*29	..	0	0
	2020	..	24	..	*24	..	0	0
Egypt	2017	7,354	1,422	..	158	..	8,618	85
	2018	7,444	498	234	27	..	7,681	74
	2019	9,009	..	356	13	..	8,640	82
	2020	7,869	..	4,969	153	..	2,747	26
Eritrea	2017	..	59	..	11	..	48	14
	2018	..	82	..	21	..	60	17
	2019	..	85	..	22	..	62	18
	2020	..	84	..	17	..	67	19
Ethiopia	2017	..	43	..	..	..	43	0
	2018	..	46	..	..	..	46	0
	2019	..	56	..	..	..	56	0
	2020	..	61	..	..	..	61	1
Gabon	2017	396	..	190	83	..	122	57
	2018	352	..	169	77	..	106	48
	2019	299	..	144	91	..	64	28
	2020	438	..	211	87	..	140	61
Gambia	2017	..	73	..	..	..	73	31
	2018	..	*75	..	..	..	*75	*31
	2019	..	*82	..	..	..	*82	*32
	2020	..	*82	..	..	..	*82	*32
Ghana	2017	4	0	53	..	0	-49	-2
	2018	32	0	42	..	..	-10	0
	2019	205	0	66	..	13	126	4
	2020	216	0	173	..	3	40	1
Guinea	2017	..	158	..	..	..	158	13
	2018	..	374	..	..	170	204	16
	2019	..	377	..	..	167	210	16
	2020	..	209	..	..	-47	256	19
Guinea-Bissau	2017	..	*34	..	..	..	*34	*18
	2018	..	*34	..	..	..	*34	*18
	2019	..	*35	..	..	..	*35	*18
	2020	..	*34	..	..	..	*34	*17
Kenya	2017	0	599	38	8	0	553	11
	2018	..	512	..	46	..	466	9
	2019	..	432	1	*10	..	420	8
	2020	..	309	0	*3	..	306	6
Libya	2017	1,676	0	339	220	..	1,117	175
	2018	1,850	..	218	281	..	1,351	209
	2019	1,263	144	..	291	..	1,116	170
	2020	509	485	..	97	..	897	135

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
Madagascar	2017	..	160	..	5	12	143	5
	2018	..	131	..	..	-21	152	6
	2019	..	219	..	..	15	204	7
	2020	..	*199	..	..	*6	*193	*7
Malawi	2017	..	*2	..	..	..	*2	0
	2018	..	*2	..	..	..	*2	0
	2019	..	*2	..	..	..	*2	0
	2020	..	*2	..	..	..	*2	0
Mali	2017	..	*215	..	..	..	*215	*11
	2018	..	*238	..	..	..	*238	*12
	2019	..	290	..	..	..	290	14
	2020	..	235	..	..	..	235	11
Mauritania	2017	..	277	..	..	*16	261	63
	2018	..	402	..	..	*88	313	73
	2019	..	391	..	..	*88	303	69
	2020	..	460	..	..	*84	376	84
Mauritius	2017	..	649	..	341	27	281	217
	2018	..	663	..	436	-63	290	224
	2019	..	850	..	520	13	317	244
	2020	..	713	..	519	-52	246	190
Morocco	2017	..	1,795	..	114	6	1,675	46
	2018	..	1,217	..	114	70	1,033	28
	2019	..	836	..	114	-48	770	21
	2020	..	903	..	114	80	708	19
Mozambique	2017	..	82	..	..	..	82	3
	2018	..	65	..	..	..	65	2
	2019	..	30	..	..	..	30	1
	2020	..	30	..	..	..	30	1
Namibia	2017	..	18	..	..	..	18	8
	2018	..	18	..	..	..	18	7
	2019	..	18	..	..	..	18	7
	2020	..	16	..	..	..	16	6
Niger	2017	..	*24	..	..	..	*24	*1
	2018	..	1	..	..	..	1	0
	2019	..	0	..	..	..	0	0
	2020	..	17	..	..	..	17	1
Nigeria	2017	994	297	511	218	-185	747	4
	2018	552	9	88	228	-380	625	3
	2019	224	32	..	237	-482	501	2
	2020	0	65	..	177	-570	458	2
Rwanda	2017	..	*15	..	..	..	*15	*1
	2018	..	*21	..	..	..	*21	*2
	2019	..	39	..	..	..	39	3
	2020	..	24	..	..	..	24	2
Senegal	2017	285	672	56	3	0	898	59
	2018	220	615	..	..	..	835	54
	2019	191	746	..	..	1	936	59
	2020	179	758	..	..	-9	946	58
Seychelles	2017	..	95	..	*1	..	94	925
	2018	..	86	..	*1	..	85	821
	2019	..	72	..	*1	..	71	683
	2020	..	101	..	*1	..	100	943

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
Sierra Leone	2017	..	44	..	..	..	44	6
	2018	..	48	..	..	..	48	6
	2019	..	86	..	..	*57	29	4
	2020	..	100	..	..	*88	12	1
Somalia	2017	..	*39	..	*12	..	*27	*2
	2018	..	*39	..	*12	..	*27	*2
	2019	..	*39	..	*12	..	*27	*2
	2020	..	*39	..	*12	..	*27	*2
South Africa	2017	895	34	437	..	..	492	9
	2018	2,753	97	955	1,352	..	543	9
	2019	2,238	136	710	1,099	..	566	10
	2020	1,570	207	24	1,291	..	462	8
Sudan	2017	51	140	..	..	..	191	5
	2018	114	188	..	..	..	302	7
	2019	*116	*190	..	..	..	*306	*7
	2020	*114	*187	..	..	..	*301	*7
Togo	2017	..	61	..	..	-9	70	9
	2018	..	55	..	..	-2	57	7
	2019	..	43	..	..	-1	44	5
	2020	..	52	..	..	-2	54	6
Tunisia	2017	327	222	323	..	-13	239	20
	2018	338	276	296	..	-8	326	27
	2019	52	223	35	..	-11	250	21
	2020	394	159	350	..	8	195	16
Uganda	2017	..	*95	..	..	..	*95	*2
	2018	..	75	..	..	..	75	2
	2019	..	24	..	..	..	24	1
	2020	..	16	..	..	..	16	0
United Rep. of Tanzania	2017	..	43	..	13	..	30	1
	2018	..	22	..	7	..	16	0
	2019	..	17	..	7	..	11	0
	2020	..	25	..	7	..	19	0
Zambia	2017	176	..	..	..	..	176	10
	2018	119	..	..	..	..	119	7
	2019	172	..	..	..	..	172	9
	2020	80	12	..	..	..	92	5
Asia	2017	200,573	143,393	111,142	101,710	-211	131,324	29
	2018	197,007	140,130	104,980	99,567	-2,463	135,052	29
	2019	189,159	130,941	90,640	99,778	250	129,431	28
	2020	181,681	120,536	73,981	100,895	2,967	124,374	27
Afghanistan	2017	*12	*1	..	..	..	*13	0
	2018	*20	*1	..	..	..	*21	*1
	2019	*12	*1	..	..	..	*13	0
	2020	*5	*5	..	..	..	*10	0
Azerbaijan	2017	236	198	12	..	83	339	34
	2018	107	..	19	..	46	42	4
	2019	127	..	0	..	49	77	8
	2020	62	..	0	..	3	59	6
Bahrain	2017	2,750	..	2,777	..	-27	0	0
	2018	2,599	..	2,564	..	35	0	0
	2019	2,662	..	2,690	..	-28	0	0
	2020	1,948	..	1,958	..	-10	0	0

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
Bangladesh	2017	443	521	..	122	..	842	5
	2018	304	678	..	121	..	860	5
	2019	344	3,280	..	144	..	3,480	21
	2020	275	2,747	..	149	..	2,873	17
Bhutan	2017	..	2	..	..	..	2	2
	2018	..	3	..	..	..	3	4
	2019	..	4	..	..	..	4	5
	2020	..	2	..	..	..	2	2
Brunei Darussalam	2017	..	..	..	..	..	..	..
	2018	..	..	..	..	..	..	..
	2019	..	..	..	..	..	..	..
	2020	5	..	..	5	..	0	0
Cambodia	2017	..	78	..	..	..	78	5
	2018	..	84	..	..	..	84	5
	2019	..	180	..	..	..	180	11
	2020	..	170	..	..	..	170	10
China	2017	45,635	13,568	11,089	9,663	662	37,789	27
	2018	38,997	16,656	12,300	10,489	-874	33,739	24
	2019	45,061	14,855	11,177	9,738	1,350	37,651	26
	2020	57,807	12,535	15,833	10,564	651	43,294	30
China, Hong Kong SAR	2017	..	7,958	168	8,042	-251	-1	0
	2018	..	7,303	90	7,502	-348	59	8
	2019	..	6,749	186	6,439	123	1	0
	2020	..	5,973	98	5,359	516	0	0
China, Macao SAR	2017	..	128	..	..	8	120	188
	2018	..	37	..	..	-7	44	68
	2019	..	21	..	..	-13	34	51
	2020	..	41	..	..	8	33	49
Cyprus	2017	..	980	..	154	18	808	669
	2018	..	1,016	..	154	19	842	691
	2019	..	968	..	156	4	807	657
	2020	..	772	..	158	-14	628	507
Georgia	2017	9	87	32	..	1	63	17
	2018	9	89	95	..	-1	3	1
	2019	16	0	15	..	0	0	0
	2020	12	0	10	..	2	1	0
India	2017	9,486	1,273	2,492	1,578	..	6,689	5
	2018	10,032	1,419	2,197	*1,685	..	7,569	6
	2019	8,609	4,583	1,527	*1,725	..	9,940	7
	2020	*6,882	*6,454	*1,177	*1,478	*413	*10,268	*7
Indonesia	2017	1,027	643	262	144	0	1,264	5
	2018	1,258	493	176	0	2	1,573	6
	2019	1,168	198	0	2	0	1,363	5
	2020	*1,273	204	..	*150	..	*1,327	*5
Iran (Islamic Rep. of)	2017	19,707	..	15,843	1,179	..	2,685	32
	2018	22,136	..	15,955	1,179	..	5,003	58
	2019	22,048	..	16,688	1,179	..	4,181	48
	2020	21,364	..	16,457	1,179	..	3,728	43
Iraq	2017	14,573	..	3,658	286	..	10,629	268
	2018	16,182	..	1,098	291	..	14,794	364
	2019	16,880	..	3,883	299	..	12,699	306
	2020	14,169	..	6,600	259	..	7,311	172

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
Israel	2017	2,667	..	2,453	200	66	-52	-6
	2018	2,576	..	2,067	259	-4	254	30
	2019	2,425	..	2,011	281	-54	187	22
	2020	1,531	..	1,160	341	-12	43	5
Japan	2017	15,334	2,164	2,411	3,983	-90	11,193	88
	2018	14,735	1,730	2,715	4,237	106	9,407	75
	2019	14,321	479	2,978	4,275	-240	7,786	62
	2020	12,589	546	1,354	4,730	15	7,035	56
Jordan	2017	564	0	..	73	-29	521	51
	2018	458	0	..	0	-2	460	44
	2019	369	..	..	32	..	337	32
	2020	342	..	..	39	..	304	28
Kazakhstan	2017	3,365	..	*1,733	..	-1	1,633	89
	2018	2,948	66	3,002	..	16	-3	0
	2019	2,875	1	2,622	..	7	247	13
	2020	2,255	2	1,593	..	-9	673	35
Korea, Dem.Ppl's.Rep.	2017	109	350	..	..	..	459	18
	2018	109	343	..	..	..	452	18
	2019	109	415	..	..	..	524	20
	2020	109	382	..	..	..	491	19
Korea, Republic of	2017	9,874	5,952	2,463	8,743	240	4,380	85
	2018	10,200	6,589	4,036	8,275	49	4,429	86
	2019	8,526	4,753	2,649	6,715	-298	4,214	81
	2020	11,204	4,447	1,987	8,300	-2	5,366	104
Kuwait	2017	8,723	..	3,816	889	-1,341	5,360	1,299
	2018	8,642	..	3,699	880	-1,461	5,523	1,279
	2019	8,357	..	3,261	851	-591	4,836	1,089
	2020	4,165	..	304	424	..	3,437	788
Kyrgyzstan	2017	63	76	7	..	16	116	19
	2018	156	14	34	..	-36	172	28
	2019	115	58	44	..	3	126	20
	2020	84	76	31	..	67	62	10
Lao People's Dem. Rep.	2017	..	11	..	..	..	11	2
	2018	..	16	..	..	..	16	2
	2019	..	*11	..	..	..	*11	*2
	2020	..	*11	..	..	..	*11	*2
Lebanon	2017	..	2,095	..	*30	..	2,065	338
	2018	..	2,048	..	30	..	2,018	339
	2019	..	1,852	..	*30	..	1,822	315
	2020	..	*1,769	..	*30	*75	*1,664	*294
Malaysia	2017	1,739	228	622	300	11	1,034	32
	2018	2,452	103	1,375	321	526	333	10
	2019	2,322	127	1,670	335	..	444	14
	2020	1,343	100	453	256	*243	490	15
Maldives	2017	..	3	..	*3	..	0	0
	2018	..	0	..	0	..	0	0
	2019	..	0	..	0	..	0	0
	2020	..	0	..	0	..	0	0
Mongolia	2017	..	2	..	..	..	2	1
	2018	..	3	..	..	..	3	1
	2019	..	3	..	..	..	3	1
	2020	..	3	..	..	..	3	1

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
Myanmar	2017	78	..	..	..	34	44	1
	2018	37	..	..	..	-7	44	1
	2019	23	..	..	..	..	23	0
	2020	35	..	..	..	..	35	1
Oman	2017	372	..	377	*24	..	-29	-6
	2018	277	..	276	*43	..	-42	-9
	2019	336	..	228	*97	..	11	2
	2020	204	..	..	*204	..	0	0
Other Asia	2017	4,953	2,464	1,543	1,103	-27	4,798	203
	2018	4,173	2,136	1,866	1,040	-188	3,590	151
	2019	3,690	1,233	1,760	1,079	-230	2,314	97
	2020	4,447	550	1,580	1,047	47	2,324	98
Pakistan	2017	3,303	4,247	..	39	*-153	7,664	35
	2018	3,398	552	..	35	0	3,915	18
	2019	2,702	775	..	30	..	3,447	15
	2020	2,290	1,722	38	20	..	3,953	17
Philippines	2017	977	1,046	433	90	26	1,474	14
	2018	737	792	259	67	-2	1,205	11
	2019	702	765	287	42	-25	1,162	11
	2020	356	979	253	85	-66	1,063	9
Qatar	2017	234	..	249	..	..	-15	-6
	2018	146	..	144	..	..	2	1
	2019	141	..	141	..	..	0	0
	2020	114	..	114	..	..	0	0
Saudi Arabia	2017	25,699	10,547	14,015	3,325	-19	18,925	553
	2018	25,106	16,772	10,791	3,518	159	27,410	783
	2019	23,344	*11,102	*4,456	*3,358	*-77	26,709	745
	2020	19,106	11,576	3,540	*2,741	307	24,094	669
Singapore	2017	5,383	76,356	32,529	48,615	451	144	25
	2018	5,461	68,809	26,489	47,513	-749	1,017	175
	2019	4,924	59,798	23,331	43,581	41	-2,232	-380
	2020	4,211	50,962	15,509	45,138	222	-5,696	-964
Sri Lanka	2017	494	581	0	564	-121	633	29
	2018	424	306	26	603	-42	143	7
	2019	483	244	..	551	-52	228	11
	2020	469	353	..	349	-20	493	23
State of Palestine	2017	..	5	..	..	..	5	1
	2018	..	7	..	..	..	7	1
	2019	..	4	..	..	..	4	1
	2020	..	4	..	..	..	4	1
Syrian Arab Republic	2017	2,647	..	..	2	..	2,645	139
	2018	3,339	..	..	1	..	3,338	173
	2019	2,868	..	..	1	..	2,867	143
	2020	2,618	..	..	1	..	2,617	126
Tajikistan	2017	9	25	..	..	..	34	4
	2018	26	24	..	..	..	50	5
	2019	15	23	..	..	..	38	4
	2020	8	9	..	..	..	17	2
Thailand	2017	5,526	55	3,309	1,165	311	796	11
	2018	5,580	8	3,242	1,391	256	698	10
	2019	5,152	23	3,021	1,170	287	697	10
	2020	4,663	23	2,588	1,036	350	712	10

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
Türkiye	2017	2,987	2,105	1,495	794	-138	2,941	36
	2018	2,189	2,404	1,112	845	49	2,587	31
	2019	3,114	2,047	2,126	768	-3	2,270	27
	2020	459	2,024	217	262	124	1,881	22
Turkmenistan	2017	1,690	..	759	..	..	931	156
	2018	1,690	..	759	..	..	931	154
	2019	1,690	..	759	..	..	931	151
	2020	1,690	..	759	..	..	931	149
United Arab Emirates	2017	9,608	*8,530	6,321	10,338	57	1,422	157
	2018	9,854	*8,601	8,201	8,751	..	1,502	164
	2019	2,958	15,182	2,799	16,665	..	-1,324	-144
	2020	2,780	15,072	..	16,401	..	1,451	156
Uzbekistan	2017	112	..	..	..	1	110	3
	2018	143	74	..	..	-6	222	7
	2019	211	124	..	..	-3	338	10
	2020	170	94	..	..	-3	267	8
Viet Nam	2017	136	597	274	214	..	245	3
	2018	200	699	394	286	..	219	2
	2019	178	833	332	183	..	496	5
	2020	440	676	369	146	60	541	6
Yemen	2017	50	516	..	50	..	515	17
	2018	308	257	..	51	..	515	17
	2019	286	251	..	51	..	485	15
	2020	199	254	..	47	..	406	13
Europe	2017	141,037	51,044	115,784	41,377	-2,452	37,371	50
	2018	133,235	49,710	106,408	42,157	-545	34,926	47
	2019	129,442	45,506	102,797	41,257	190	30,704	41
	2020	108,439	48,319	101,597	34,906	1,274	18,982	25
Albania	2017	0	0	..	..	..	0	0
	2018	..	1	..	..	..	1	1
	2019	..	3	..	..	..	3	1
	2020	..	3	..	..	..	3	1
Austria	2017	839	68	437	..	-71	541	61
	2018	710	65	467	..	-17	325	37
	2019	735	44	455	..	-56	380	43
	2020	737	67	471	..	-24	356	40
Belarus	2017	5,112	0	4,685	..	-2	429	44
	2018	5,409	..	5,019	..	-9	399	41
	2019	4,382	..	4,062	..	-1	321	33
	2020	3,515	..	2,719	..	37	759	79
Belgium	2017	7,488	4,988	6,284	6,715	-33	-490	-43
	2018	7,507	6,127	5,794	8,327	53	-540	-47
	2019	4,585	5,733	4,296	7,336	76	-1,389	-121
	2020	2,582	4,302	3,349	5,173	-54	-1,584	-137
Bosnia and Herzegovina	2017	81	56	2	..	..	135	39
	2018	57	52	3	..	..	106	31
	2019	25	31	15	..	-4	45	13
	2020	..	41	4	..	0	38	11
Bulgaria	2017	974	58	900	24	-28	136	19
	2018	948	27	847	25	25	77	11
	2019	581	35	544	17	13	43	6
	2020	259	60	278	16	2	22	3

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
Croatia	2017	577	48	520	3	-69	170	41
	2018	669	57	595	5	6	121	29
	2019	397	41	350	5	-5	88	21
	2020	267	6	239	4	-6	37	9
Czechia	2017	169	..	149	..	-26	46	4
	2018	137	2	137	..	-32	34	3
	2019	139	..	119	..	-8	28	3
	2020	93	14	51	..	7	49	5
Denmark	2017	1,626	980	2,445	139	-483	506	88
	2018	1,870	1,796	2,843	221	-170	773	134
	2019	1,592	2,432	2,946	377	391	310	53
	2020	1,469	3,253	4,004	216	340	163	28
Estonia	2017	..	441	203	207	20	11	8
	2018	..	474	321	140	4	9	7
	2019	..	437	337	106	-20	15	11
	2020	..	526	295	167	63	1	1
Faeroe Islands	2017	..	*88	..	21	..	*67	*1,332
	2018	..	*89	..	21	..	*68	*1,330
	2019	..	*98	..	26	..	*72	*1,395
	2020	..	*103	..	29	..	*75	*1,422
Finland	2017	1,614	902	1,190	288	21	1,017	185
	2018	1,543	449	1,165	276	64	487	88
	2019	1,412	601	1,175	272	-122	688	125
	2020	1,549	457	1,181	242	-23	606	110
France	2017	6,403	3,584	4,774	1,597	-82	3,698	56
	2018	5,853	3,422	4,895	1,842	21	2,517	38
	2019	6,176	2,883	3,852	1,617	87	3,502	52
	2020	4,051	2,026	2,626	836	-22	2,637	39
Germany	2017	7,376	2,276	1,862	1,457	-8	6,341	77
	2018	7,296	2,144	2,658	981	17	5,784	70
	2019	7,034	1,628	2,736	668	-122	5,380	65
	2020	6,220	1,368	2,792	809	-69	4,056	49
Gibraltar	2017	..	3,850	..	3,799	..	51	1,568
	2018	..	3,762	..	3,711	..	51	1,576
	2019	..	3,835	..	3,800	..	35	1,069
	2020	..	3,862	..	3,862	..	0	0
Greece	2017	7,028	1,745	4,300	1,864	105	2,503	234
	2018	6,551	1,725	3,852	1,936	-150	2,638	248
	2019	5,172	2,331	2,737	2,220	123	2,423	229
	2020	3,467	1,578	1,392	1,331	61	2,261	215
Hungary	2017	78	20	50	..	-2	50	5
	2018	43	24	14	..	16	37	4
	2019	21	11	3	..	-2	31	3
	2020	23	9	13	..	-3	22	2
Iceland	2017	..	102	..	34	0	68	199
	2018	..	119	..	34	3	82	233
	2019	..	57	..	19	-12	50	140
	2020	..	0	..	..	-1	1	2
Ireland	2017	1,042	61	1,052	14	-14	51	11
	2018	976	77	1,002	16	-24	59	12
	2019	725	114	724	10	1	103	21
	2020	824	172	817	11	38	130	26

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
Italy	2017	8,511	847	5,258	2,075	-88	2,113	35
	2018	6,858	1,692	4,449	2,302	39	1,761	29
	2019	6,709	1,008	3,718	2,201	57	1,741	29
	2020	5,628	1,239	3,327	1,925	38	1,577	26
Kosovo	2017	..	26	..	..	..	26	15
	2018	..	21	..	..	..	21	12
	2019	..	20	..	..	..	20	12
	2020	..	22	..	..	..	22	13
Latvia	2017	..	127	1	126	-1	1	0
	2018	..	4	..	2	-1	3	2
	2019	..	44	..	43	-1	2	1
	2020	..	4	..	3	-1	2	1
Lithuania	2017	1,688	113	1,658	106	-29	66	23
	2018	1,681	129	1,640	122	-10	59	20
	2019	1,539	123	1,549	120	-26	19	7
	2020	1,105	111	1,028	111	20	57	20
Luxembourg	2017	..	2	0	..	..	2	4
	2018	..	3	0	..	..	3	4
	2019	..	2	0	..	..	2	3
	2020	..	1	0	..	..	1	2
Malta	2017	..	2,022	83	1,888	-2	53	111
	2018	..	2,109	161	1,923	20	5	11
	2019	..	2,115	246	1,962	-100	6	12
	2020	..	1,974	89	1,864	14	7	14
Montenegro	2017	..	4	..	..	2	2	3
	2018	..	4	..	..	2	2	3
	2019	..	3	0	..	1	2	3
	2020	..	1	..	..	-2	2	3
Netherlands	2017	11,684	16,060	15,064	9,585	-1,057	4,152	241
	2018	11,077	13,047	11,314	9,213	-9	3,607	209
	2019	8,909	11,709	9,682	9,395	86	1,455	84
	2020	9,024	19,865	18,532	9,740	848	-231	-13
North Macedonia	2017	0	79	3	..	-1	77	37
	2018	..	67	3	..	-3	68	32
	2019	..	81	5	..	2	74	35
	2020	..	81	2	..	-5	84	40
Norway	2017	1,545	1,888	1,432	26	-60	2,035	386
	2018	1,474	1,440	1,419	30	25	1,440	271
	2019	1,806	1,012	1,661	36	-31	1,153	216
	2020	1,494	847	1,601	22	22	695	129
Poland	2017	3,436	38	2,471	53	18	932	24
	2018	3,630	48	2,774	78	-2	828	21
	2019	3,115	16	2,283	81	-27	794	21
	2020	2,011	31	1,114	86	19	822	21
Portugal	2017	2,645	158	1,607	672	-16	540	52
	2018	2,626	176	1,307	699	229	567	55
	2019	2,114	189	1,113	831	-191	549	53
	2020	2,416	258	1,600	568	-6	512	50
Republic of Moldova	2017	11	10	9	..	-3	15	5
	2018	6	7	3	..	..	10	3
	2019	4	6	..	..	5	5	2
	2020	2	5	2	..	4	1	0

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
Romania	2017	182	..	158	..	-17	41	2
	2018	196	..	124	..	15	58	3
	2019	193	5	139	..	0	59	3
	2020	153	..	85	..	-2	71	4
Russian Federation	2017	56,018	12	*47,448	2,747	-159	5,994	41
	2018	50,147	0	*42,068	2,035	-181	6,224	43
	2019	58,417	109	49,104	1,973	-230	7,679	53
	2020	50,823	119	44,592	1,394	..	4,957	34
Serbia	2017	380	9	55	..	10	324	43
	2018	361	7	28	..	2	337	45
	2019	257	9	7	..	-1	260	35
	2020	203	26	31	..	-19	218	30
Slovakia	2017	363	133	307	..	-26	215	40
	2018	482	77	319	..	14	226	41
	2019	535	44	344	..	13	222	41
	2020	618	26	418	..	10	216	40
Slovenia	2017	..	409	252	157	..	0	0
	2018	..	442	232	210	..	0	0
	2019	..	302	137	165	..	0	0
	2020	..	426	315	110	..	0	0
Spain	2017	5,532	7,020	3,642	5,571	99	3,240	70
	2018	6,000	7,371	3,761	5,926	-199	3,883	83
	2019	5,056	6,843	2,701	5,713	25	3,460	73
	2020	2,443	3,974	2,505	3,965	11	-64	-1
Sweden	2017	4,010	1,577	4,148	1,641	-459	257	26
	2018	5,150	1,799	4,362	1,267	-263	1,583	156
	2019	4,413	842	3,186	1,573	285	211	21
	2020	3,860	772	2,965	1,877	-8	-202	-20
Switzerland	2017	290	..	274	..	9	7	1
	2018	316	0	304	..	11	1	0
	2019	311	1	327	..	-14	0	0
	2020	364	0	362	..	1	1	0
Ukraine	2017	444	273	..	..	-24	741	17
	2018	429	42	..	..	3	468	11
	2019	74	1	13	..	-31	93	2
	2020	75	..	..	..	18	57	1
United Kingdom	2017	3,893	970	3,062	570	25	1,207	18
	2018	3,233	812	2,527	818	-42	743	11
	2019	3,016	707	2,232	691	28	772	12
	2020	3,167	690	2,800	546	-36	547	8
Latin America & Carib.	2017	53,974	16,405	29,034	11,995	76	29,274	46
	2018	48,611	15,663	28,934	11,665	-710	24,385	38
	2019	39,832	17,105	20,299	11,888	-245	24,995	39
	2020	40,479	13,458	24,756	10,296	456	18,429	28
Antigua and Barbuda	2017	..	*172	..	*66	..	*106	*1,163
	2018	..	*178	..	*71	..	*107	*1,168
	2019	..	*187	..	*74	..	*113	*1,227
	2020	..	*181	..	*71	..	*110	*1,187
Argentina	2017	2,993	0	370	687	104	1,832	42
	2018	1,878	*236	584	591	-13	952	21
	2019	2,138	*200	863	377	-48	1,146	26
	2020	2,642	..	717	9	17	1,899	42

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
Aruba	2017	..	*201	..	*11	..	*190	*1,802
	2018	..	195	..	*12	..	183	1,727
	2019	..	*208	..	*12	..	*196	*1,841
	2020	..	*212	..	*12	..	*200	*1,879
Bahamas	2017	..	*238	..	*140	..	*97	*244
	2018	..	*202	..	*152	..	*50	*126
	2019	..	*186	..	*160	..	*26	*65
	2020	..	*192	..	*151	..	*41	*101
Barbados	2017	..	180	..	..	15	165	592
	2018	..	195	..	..	2	193	691
	2019	..	147	..	..	-6	153	548
	2020	..	143	..	..	5	138	491
Belize	2017	..	6	..	..	..	6	17
	2018	..	9	..	..	..	9	23
	2019	..	22	..	..	..	22	56
	2020	..	13	..	..	..	13	33
Bonaire, St Eustatius, Saba	2017	..	*69	..	*39	*4	*25	*1,040
	2018	..	*61	..	*39	*-1	*23	*928
	2019	..	*64	..	*39	*-1	*26	*1,016
	2020	..	*56	..	*28	..	*28	*1,061
Brazil	2017	11,646	71	3,623	3,310	64	4,720	23
	2018	10,761	303	5,136	2,556	-213	3,585	17
	2019	11,626	53	5,801	2,972	34	2,872	14
	2020	16,643	37	10,490	3,295	65	2,830	13
Chile	2017	1,170	26	290	142	54	709	39
	2018	1,149	27	391	136	2	648	35
	2019	993	14	179	102	55	671	35
	2020	997	13	236	32	3	740	38
Colombia	2017	2,852	8	2,082	..	..	778	16
	2018	3,260	1	1,667	..	..	1,595	32
	2019	3,036	0	1,661	19	..	1,356	27
	2020	1,656	0	1,258	5	..	393	8
Costa Rica	2017	..	123	..	..	-2	124	25
	2018	..	130	..	..	-16	146	29
	2019	..	133	..	..	25	107	21
	2020	..	91	..	..	-11	102	20
Cuba	2017	1,255	1,166	..	*440	..	1,980	175
	2018	1,313	912	..	*404	..	1,821	161
	2019	766	1,343	..	*380	..	1,729	153
	2020	903	1,935	..	*330	..	2,508	222
Curaçao	2017	1,366	2,136	1,330	1,831	..	341	1,990
	2018	1,037	2,048	1,009	1,791	..	285	1,540
	2019	0	1,939	0	1,730	..	209	1,081
	2020	..	1,569	..	1,412	..	157	831
Dominica	2017	..	*14	..	*1	..	*13	*186
	2018	..	*14	..	*1	..	*13	*187
	2019	..	*15	..	*1	..	*14	*191
	2020	..	*14	..	*1	..	*13	*181
Dominican Republic	2017	254	1,401	..	..	4	1,650	155
	2018	372	1,424	..	..	-1	1,797	167
	2019	329	1,565	..	..	-1	1,896	174
	2020	130	1,012	..	..	-1	1,142	104

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
Ecuador	2017	3,108	664	2,396	347	10	1,019	61
	2018	3,572	624	2,389	669	-3	1,141	67
	2019	2,866	662	2,223	523	-2	783	45
	2020	2,607	462	2,209	132	-3	732	42
El Salvador	2017	..	343	..	..	..	343	55
	2018	..	273	..	..	..	273	44
	2019	..	362	0	..	..	362	58
	2020	..	257	0	..	..	257	41
Guatemala	2017	..	283	5	..	-5	284	17
	2018	..	242	9	..	-21	254	15
	2019	..	264	17	..	2	245	14
	2020	..	219	2	..	-2	219	13
Guyana	2017	..	204	..	..	2	202	265
	2018	..	216	..	..	1	215	274
	2019	..	215	..	..	-4	219	274
	2020	..	223	..	..	28	194	244
Haiti	2017	..	123	..	..	..	123	11
	2018	..	116	..	..	..	116	11
	2019	..	126	..	..	..	126	11
	2020	..	121	..	..	..	121	11
Honduras	2017	..	696	..	..	-11	708	73
	2018	..	521	1	..	29	491	50
	2019	..	750	1	..	..	748	75
	2020	..	708	0	..	-14	721	71
Jamaica	2017	677	867	302	..	18	1,224	436
	2018	729	966	250	..	-15	1,460	519
	2019	884	559	312	..	0	1,131	402
	2020	730	455	586	..	0	599	212
Mexico	2017	12,360	2,242	5,887	72	162	8,481	69
	2018	10,550	1,924	5,561	84	-81	6,910	56
	2019	8,472	2,358	4,005	74	-67	6,818	55
	2020	10,019	485	6,224	19	408	3,853	31
Nicaragua	2017	318	142	10	..	-2	452	70
	2018	240	*242	10	..	22	450	68
	2019	96	443	30	..	57	453	68
	2020	77	276	71	..	-27	309	46
Panama	2017	..	4,697	..	4,274	-114	537	131
	2018	..	4,308	..	4,130	-119	296	71
	2019	..	4,875	..	4,745	-101	231	54
	2020	..	4,432	..	4,365	-43	110	26
Paraguay	2017	..	5	..	..	1	5	1
	2018	..	4	..	..	0	4	1
	2019	..	5	..	..	0	5	1
	2020	..	2	..	..	..	2	0
Peru	2017	3,001	21	2,408	..	-215	829	26
	2018	2,780	0	2,063	463	-277	532	17
	2019	2,316	30	1,511	391	-175	618	19
	2020	570	29	293	225	-66	147	4
Sint Maarten (Dutch part)	2017	..	*244	..	*128	..	*116	*2,760
	2018	..	*234	..	*123	..	*112	*2,639
	2019	..	*235	..	*124	..	*111	*2,592
	2020	..	*224	..	*120	..	*104	*2,384

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
St. Lucia	2017	..	*1	..	*1	..	0	0
	2018	..	*1	..	*1	..	0	0
	2019	..	*1	..	*1	..	0	0
	2020	..	*1	..	*1	..	0	0
Suriname	2017	323	0	*217	36	..	70	119
	2018	300	1	*264	32	..	5	8
	2019	255	2	*212	*32	..	13	21
	2020	262	1	*189	*30	..	44	73
Trinidad and Tobago	2017	2,345	..	1,956	318	53	17	12
	2018	1,810	..	1,560	254	-4	0	0
	2019	..	105	21	3	..	80	53
	2020	..	95	9	1	94	-10	-6
Uruguay	2017	105	63	..	34	-66	200	58
	2018	242	56	..	64	0	235	69
	2019	225	40	..	68	-13	210	61
	2020	214	0	..	15	2	198	58
Venezuela (Bolivar. Rep.)	2017	10,201	0	8,159	116	..	1,925	63
	2018	8,618	..	8,040	94	..	484	16
	2019	5,831	..	3,464	61	..	2,307	80
	2020	3,028	..	2,473	43	..	512	18
Northern America	2017	28,481	12,743	20,422	15,944	-1,591	6,448	18
	2018	28,808	13,863	23,735	13,971	-2,155	7,121	19
	2019	24,709	10,661	14,770	13,488	271	6,841	18
	2020	15,122	12,512	8,934	10,884	31	7,785	21
Bermuda	2017	..	122	..	*11	..	112	1,764
	2018	..	135	..	*11	..	124	1,944
	2019	..	115	..	*9	..	106	1,667
	2020	..	96	..	*7	..	89	1,393
Canada	2017	4,739	843	2,952	298	44	2,288	63
	2018	5,196	598	3,701	378	-29	1,744	47
	2019	4,994	773	1,878	468	-20	3,441	92
	2020	3,724	539	829	346	13	3,075	81
Greenland	2017	..	14	..	2	0	12	219
	2018	..	11	..	2	*2	7	134
	2019	..	19	..	2	*4	13	228
	2020	..	*11	..	0	..	*11	*191
United States	2017	23,742	11,764	17,470	15,634	-1,635	4,037	12
	2018	23,612	13,120	20,034	13,580	-2,128	5,246	16
	2019	19,715	9,754	12,892	13,009	286	3,281	10
	2020	11,398	11,866	8,105	10,531	18	4,610	14
Oceania	2017	1,220	1,317	473	767	71	1,226	29
	2018	1,353	1,982	424	798	138	1,974	46
	2019	1,410	1,984	337	976	3	2,078	48
	2020	920	1,686	276	649	-116	1,798	41
American Samoa	2017	..	0	..	..	..	0	*2
	2018	..	0	..	..	..	0	*2
	2019	..	0	..	..	..	0	*2
	2020	..	0	..	..	..	0	*2
Australia	2017	644	214	301	502	16	39	2
	2018	765	686	224	504	143	580	23
	2019	909	703	203	677	0	732	29
	2020	740	603	262	574	-97	604	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
Cook Islands	2017	..	*4	..	*2	..	*2	*135
	2018	..	*4	..	*2	..	*2	*136
	2019	..	*4	..	*2	..	*2	*140
	2020	..	*3	..	*1	..	*2	*117
Fiji	2017	..	*92	*20	..	..	*71	*78
	2018	..	*100	*29	*5	..	*66	*72
	2019	..	*108	*37	*5	..	*66	*72
	2020	..	*73	*13	*2	..	*58	*63
French Polynesia	2017	..	68	..	..	2	66	224
	2018	..	70	..	..	1	69	231
	2019	..	73	..	..	4	69	229
	2020	..	65	..	..	-6	71	237
Nauru	2017	..	*9	..	*4	..	*5	*428
	2018	..	*9	..	*4	..	*5	*394
	2019	..	*9	..	*4	..	*5	*379
	2020	..	*8	..	*4	..	*5	*374
New Caledonia	2017	..	466	..	..	31	434	1,528
	2018	..	447	..	..	-12	459	1,612
	2019	..	456	..	..	20	436	1,529
	2020	..	404	..	..	10	394	1,375
New Zealand	2017	435	..	151	245	6	33	7
	2018	465	..	171	271	-3	26	5
	2019	422	23	97	276	-3	74	15
	2020	80	22	..	57	-16	61	12
Palau	2017	..	*32	..	..	..	*32	*1,794
	2018	..	*31	..	..	..	*31	*1,758
	2019	..	*32	..	..	..	*32	*1,775
	2020	..	*31	..	..	..	*31	*1,725
Papua New Guinea	2017	141	396	..	9	9	519	57
	2018	122	605	..	7	9	711	76
	2019	80	565	..	7	-9	647	68
	2020	101	471	..	6	8	557	57
Tonga	2017	..	32	..	0	*7	24	231
	2018	..	26	..	0	*1	24	230
	2019	..	7	..	0	*-9	*15	*147
	2020	..	0	..	0	*-16	*16	*148
Vanuatu	2017	..	*5	..	*5	..	0	0
	2018	..	*5	..	*5	..	0	0
	2019	..	*6	..	*6	..	0	0
	2020	..	*5	..	*5	..	0	0

Production of minor oil products from refineries - by type

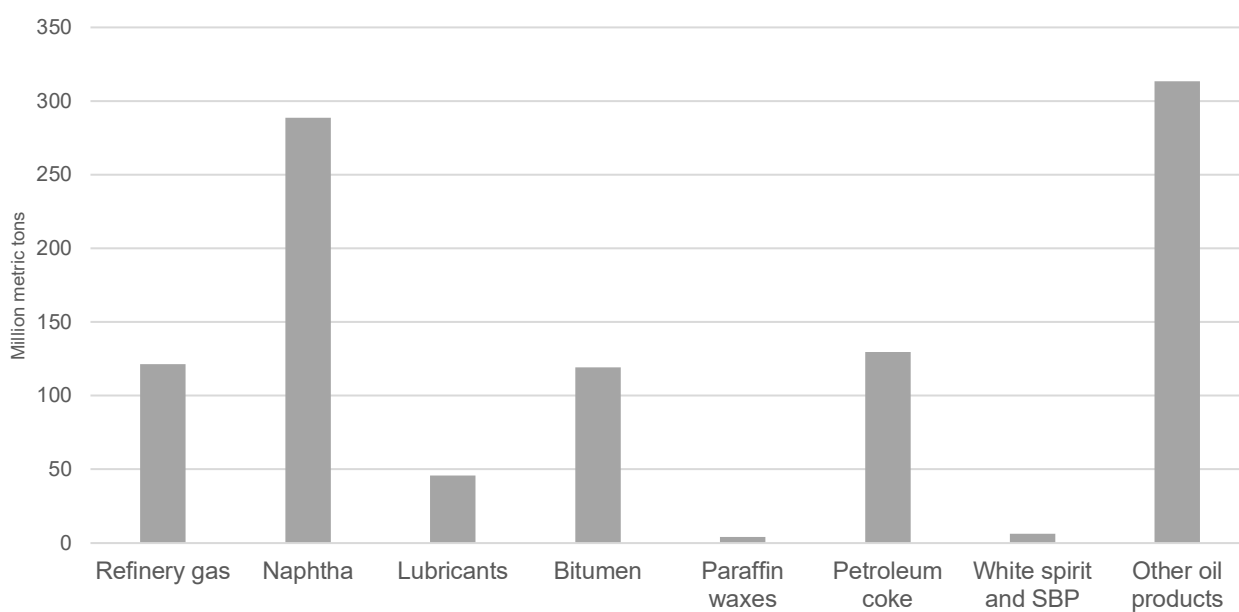
Thousand metric tons

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, 2020*



*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	2017	124,690	1,650	287,679	42,125	115,785	4,620	153,856	8,798	196,266
	2018	129,163	2,055	295,403	47,571	116,231	4,578	150,690	6,604	227,653
	2019	129,916	2,021	295,609	47,024	116,964	4,729	140,175	6,031	265,207
	2020	121,376	2,048	288,769	45,853	119,412	4,080	129,804	6,260	311,208
Africa	2017	1,257	..	10,529	559	1,437	10	563	115	1,660
	2018	1,227	..	10,675	577	1,410	10	522	96	2,409
	2019	1,296	..	10,297	589	1,347	10	543	87	716
	2020	806	..	10,220	569	1,402	11	565	64	560
Algeria	2017	..	..	8,143	*73	*127	..	..	..	*184
	2018	..	..	7,634	*98	*115	..	..	..	*134
	2019	..	..	7,268	110	*110	..	..	..	*158
	2020	..	..	7,341	52	177	..	..	..	31
Angola	2017	74	..	278	8	16	..	..	..	162
	2018	53	..	244	5	12	..	..	..	207
	2019	74	..	333	5	23	..	..	..	..
	2020	25	..	348	5	11	..	..	..	..
Cameroon	2017	55	..	..	..	..	..	..	..	128
	2018	50	..	..	..	..	..	..	..	116
	2019	26	..	..	..	..	..	..	..	60
	2020	..	..	..	..	..	..	..	..	..
Chad	2017	..	..	..	*1	*1	..	*36	..	*14
	2018	..	..	..	*1	*1	..	*36	..	*14
	2019	..	..	..	*1	*1	..	*37	..	*15
	2020	..	..	..	*1	*1	..	*36	..	*14
Congo	2017	..	..	9	..	..	..	..	..	19
	2018	..	..	9	..	..	..	..	..	19
	2019	..	..	10	..	..	..	..	..	19
	2020	..	..	9	..	..	..	..	..	19
Côte d'Ivoire	2017	19	..	..	36	249	..	..	..	..
	2018	20	..	..	46	259	..	..	..	..
	2019	23	..	..	20	136	..	..	..	..
	2020	21	..	..	20	129	..	..	..	..
Egypt	2017	136	..	450	297	658	..	257	..	373
	2018	130	..	737	286	633	..	248	..	1,352
	2019	142	..	833	312	691	..	271	..	393
	2020	157	..	1,660	344	762	..	299	..	434
Gabon	2017	..	..	..	10	2	..	..	..	..
	2018	..	..	..	9	2	..	..	..	..
	2019	..	..	..	8	2	..	..	..	..
	2020	..	..	..	11	2	..	..	..	..
Libya	2017	97	..	667	..	25	..	..	..	5
	2018	113	..	948	..	29	..	..	..	6
	2019	87	..	1,073	..	22	..	..	..	4
	2020	35	..	432	..	9	..	..	..	2
Niger	2017	..	..	..	..	..	..	..	..	19
	2018	..	..	..	..	..	..	..	..	19
	2019	..	..	..	..	..	..	..	..	17
	2020	..	..	..	..	..	..	..	..	18
Nigeria	2017	102	..	342	..	0	..	12	..	720
	2018	57	..	158	..	5	..	7	..	492
	2019	12	..	36	..	..	..	1	..	0
	2020	0	..	0	..	..	..	0	..	0

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	2017	15	..	123	..	..	..	..	..	..
	2018	13	..	76	..	..	..	..	..	..
	2019	12	..	71	..	..	..	..	..	..
	2020	10	..	30	..	..	..	..	..	..
South Africa	2017	723	..	420	133	359	10	..	104	25
	2018	758	..	618	132	354	10	..	83	37
	2019	886	..	632	135	362	10	..	85	36
	2020	524	..	200	137	311	11	..	58	36
Sudan	2017	20	..	4	..	..	..	258	..	..
	2018	*20	..	9	..	..	..	231	..	..
	2019	*20	..	*9	..	..	..	*234	..	..
	2020	*20	..	*9	..	..	..	*230	..	..
Tunisia	2017	4	..	93	..	..	..	..	11	..
	2018	..	..	241	..	..	..	..	13	..
	2019	..	..	33	..	..	..	..	2	..
	2020	6	..	191	..	..	..	..	6	..
Zambia	2017	12	..	..	..	..	..	..	..	12
	2018	13	..	..	..	..	..	..	..	13
	2019	14	..	..	..	..	..	..	..	14
	2020	7	..	..	..	..	..	..	..	7
Asia	2017	56,134	..	183,965	15,286	58,545	3,375	63,685	3,644	142,784
	2018	61,236	..	191,075	16,064	58,712	3,179	62,136	2,469	170,728
	2019	62,122	..	196,368	15,214	60,567	3,410	54,451	2,226	192,436
	2020	59,480	..	192,999	15,077	62,560	2,819	51,117	1,898	242,285
Afghanistan	2017	..	..	..	..	*12	..	..	..	..
	2018	..	..	..	..	*20	..	..	..	..
	2019	..	..	..	..	*12	..	..	..	..
	2020	..	..	..	..	*5	..	..	..	..
Azerbaijan	2017	214	..	169	39	237	..	227	..	585
	2018	214	..	205	52	290	..	244	..	606
	2019	242	..	*243	36	260	..	238	..	626
	2020	228	..	217	36	375	..	197	..	626
Bahrain	2017	..	..	1,494	..	298	..	..	..	568
	2018	..	..	1,655	..	316	..	..	..	551
	2019	..	..	1,706	..	331	..	..	..	489
	2020	..	..	1,562	..	345	..	..	..	411
Bangladesh	2017	16	..	161	19	79	..	..	4	21
	2018	14	..	97	20	58	..	..	5	21
	2019	15	..	101	23	70	..	..	3	11
	2020	11	..	77	21	31	..	..	0	13
Brunei Darussalam	2017	3	..	..	..	..	..	..	..	..
	2018	18	..	..	..	..	..	..	..	..
	2019	14	..	..	..	..	..	..	..	243
	2020	4	..	687	..	..	..	..	..	2,315
China	2017	19,825	..	53,339	1,998	25,828	2,982	28,217	1,712	96,284
	2018	20,132	..	60,255	2,206	26,877	2,795	26,636	1,088	118,749
	2019	21,879	..	66,201	2,324	29,704	3,089	28,388	824	149,225
	2020	23,486	..	71,907	2,634	33,215	2,494	29,146	400	193,339
Georgia	2017	..	..	3	..	..	..	..	..	..
	2018	..	..	3	..	..	..	..	..	..
	2019	..	..	4	..	..	..	..	..	..
	2020	..	..	3	..	1	..	..	..	..

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
India	2017	*9,825	..	18,786	1,036	5,277	104	14,754	..	26,210
	2018	*14,117	..	*18,536	949	5,803	*117	*14,676	..	*29,973
	2019	*15,470	..	*19,399	932	5,244	*96	15,528	..	18,384
	2020	*13,552	..	*18,421	1,069	5,245	*97	*12,655	..	*17,103
Indonesia	2017	673	..	1,565	344	112	16	497	26	4,195
	2018	690	..	1,666	390	164	19	554	27	4,096
	2019	694	..	1,619	326	100	19	550	19	*4,096
	2020	633	..	1,883	*330	97	*19	*550	20	*3,763
Iran (Islamic Rep. of)	2017	1,581	..	3,000	1,761	4,837	..	..	541	753
	2018	*1,681	..	3,030	1,720	4,662	..	..	528	761
	2019	*1,679	..	3,103	1,797	4,872	..	..	552	779
	2020	*1,556	..	2,919	1,721	4,666	..	..	529	733
Iraq	2017	164	..	571	52	140	110	..	..	113
	2018	193	..	1,522	57	153	3	..	..	123
	2019	205	..	1,890	70	190	3	..	..	153
	2020	178	..	2,063	77	208	4	..	..	167
Israel	2017	569	..	1,201	..	310	..	..	..	458
	2018	567	..	1,153	..	308	..	..	..	588
	2019	615	..	1,383	..	264	..	..	..	401
	2020	706	..	1,392	..	310	..	..	..	497
Japan	2017	6,515	..	13,175	1,958	3,051	64	1,320	72	2,222
	2018	6,356	..	12,385	2,181	2,854	70	1,345	71	2,192
	2019	5,833	..	12,546	2,013	2,744	71	1,075	62	2,038
	2020	4,988	..	9,091	1,808	2,277	80	1,021	45	1,768
Jordan	2017	*33	..	..	23	226	..	..	..	*4
	2018	42	..	..	19	127	..	..	..	*3
	2019	*40	..	..	20	*176	..	..	..	*3
	2020	*35	..	..	17	*135	..	..	..	*2
Kazakhstan	2017	161	..	..	24	809	..	474	0	..
	2018	177	..	..	26	926	..	530	6	..
	2019	264	..	..	32	989	..	507	9	..
	2020	343	..	..	52	1,090	..	526	10	..
Korea, Republic of	2017	3,831	..	35,356	2,747	5,185	18	404	506	2,856
	2018	4,365	..	36,933	3,307	4,489	15	408	456	2,737
	2019	4,729	..	36,758	2,567	5,043	19	634	472	2,708
	2020	4,370	..	33,734	2,797	4,131	22	584	669	3,224
Kuwait	2017	310	..	5,675	..	118	..	..	..	454
	2018	322	..	5,613	..	183	..	..	..	471
	2019	288	..	5,561	..	241	..	..	..	..
	2020	265	..	5,546	..	277	..	..	..	..
Kyrgyzstan	2017	..	..	..	..	..	..	..	..	..
	2018	..	..	..	..	35	..	..	..	..
	2019	..	..	..	..	2	..	..	..	..
	2020	..	..	..	..	0	..	..	..	..
Malaysia	2017	172	..	2,356	368	171	23	166	..	..
	2018	128	..	1,818	279	405	32	20	..	..
	2019	113	..	*1,506	*231	*335	*27	17	..	..
	2020	130	..	*2,818	*279	*405	*32	*20	..	..
Myanmar	2017	..	..	..	..	..	0	12	..	5
	2018	..	..	..	..	..	0	9	..	4
	2019	..	..	..	..	..	0	11	..	0
	2020	..	..	..	..	..	..	13	..	27

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
Oman	2017	124	..	939	62	..	..	..	..	357
	2018	149	..	1,375	75	..	..	..	..	1,068
	2019	136	..	1,374	68	..	..	..	..	1,043
	2020	116	..	1,448	58	..	..	..	..	803
Other Asia	2017	1,887	..	7,667	672	547	..	1,175	59	839
	2018	2,295	..	8,696	551	630	..	1,276	35	957
	2019	2,331	..	8,587	663	665	..	1,228	36	954
	2020	2,071	..	7,680	579	618	..	959	28	769
Pakistan	2017	..	..	781	180	*291	2	..	..	60
	2018	33	..	794	178	288	0	..	..	60
	2019	21	..	570	176	193	2	..	..	*30
	2020	31	..	374	137	129	*2	..	..	61
Philippines	2017	..	..	200	..	..	..	..	..	1,266
	2018	..	..	241	..	16	..	..	..	1,496
	2019	..	..	161	..	47	..	..	..	782
	2020	..	..	86	..	3	..	..	..	565
Qatar	2017	58	..	5,592	..	..	..	..	..	527
	2018	58	..	4,965	..	..	..	..	..	720
	2019	63	..	4,689	..	..	..	..	..	1,730
	2020	49	..	3,919	..	..	..	..	..	2,614
Saudi Arabia	2017	4,300	..	8,499	..	2,778	..	15,231	..	*610
	2018	4,248	..	6,877	..	2,326	..	15,299	..	1,307
	2019	*2,204	..	5,819	..	2,365	..	4,805	..	*503
	2020	*2,013	..	5,117	..	2,117	..	3,713	..	*3,403
Singapore	2017	3,251	..	4,494	3,230	2,945	28	245	705	1,035
	2018	3,107	..	2,898	3,110	2,871	76	232	216	410
	2019	2,978	..	4,296	3,184	2,746	75	224	206	350
	2020	2,442	..	3,605	2,763	2,333	67	157	175	304
Sri Lanka	2017	19	..	142	..	0	..	..	1	..
	2018	22	..	141	..	13	..	..	2	..
	2019	27	..	162	..	17	..	..	2	..
	2020	27	..	164	..	14	..	..	1	..
Syrian Arab Republic	2017	86	..	530	24	294	..	..	..	15
	2018	108	..	668	30	371	..	..	..	19
	2019	93	..	574	25	319	..	..	..	17
	2020	85	..	524	23	291	..	..	..	15
Tajikistan	2017	..	..	..	..	3	..	..	..	..
	2018	..	..	..	..	3	..	..	..	..
	2019	..	..	..	..	3	..	..	..	..
	2020	..	..	..	..	3	..	..	..	..
Thailand	2017	569	..	10,430	..	1,361	..	..	..	1,139
	2018	570	..	10,431	..	1,377	..	..	..	1,140
	2019	511	..	9,445	..	1,257	..	..	..	1,023
	2020	502	..	9,279	..	1,376	..	..	..	1,003
Türkiye	2017	1,354	..	343	187	3,496	..	934	7	917
	2018	1,004	..	375	218	2,981	32	868	5	720
	2019	1,084	..	1,138	125	2,248	..	1,213	11	1,901
	2020	1,134	..	1,504	75	2,765	..	1,536	14	2,673
Turkmenistan	2017	112	..	..	..	..	..	..	..	370
	2018	106	..	..	..	..	..	..	..	370
	2019	104	..	..	..	..	..	..	..	370
	2020	102	..	..	..	..	..	..	..	370

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
United Arab Emirates	2017	387	..	7,427	477	..	..	..	..	779
	2018	406	..	8,300	578	..	..	..	..	1,332
	2019	377	..	7,123	541	..	..	..	..	4,114
	2020	333	..	6,694	508	..	..	..	..	3,866
Uzbekistan	2017	94	..	..	84	138	27	29	12	..
	2018	114	..	..	98	153	21	39	31	..
	2019	*114	..	..	60	117	8	32	30	..
	2020	91	..	..	92	89	2	41	8	..
Viet Nam	2017	..	..	..	..	..	..	..	..	144
	2018	..	..	..	20	..	..	..	..	254
	2019	..	..	..	..	..	..	..	..	465
	2020	..	..	..	..	..	..	..	..	1,852
Yemen	2017	..	..	72	..	2	..	..	..	..
	2018	..	..	443	..	14	..	..	..	..
	2019	..	..	410	..	13	..	..	..	..
	2020	..	..	286	..	9	..	..	..	..
Europe	2017	38,189	1,534	73,357	14,645	26,392	933	16,593	2,796	28,057
	2018	37,845	1,927	73,133	18,748	26,471	1,097	16,007	1,893	31,099
	2019	37,685	1,914	70,276	20,801	26,703	1,029	16,476	1,921	30,468
	2020	35,187	1,918	67,026	20,429	26,300	999	15,920	2,423	31,049
Albania	2017	19	..	40	..	77	..	105	..	103
	2018	9	..	29	..	26	..	58	..	66
	2019	7	..	23	..	105	..	54	..	58
	2020	3	..	18	..	75	..	10	..	15
Austria	2017	262	..	804	0	306	..	59	..	27
	2018	281	..	1,028	0	369	..	71	..	21
	2019	316	..	1,006	0	395	..	67	..	23
	2020	284	..	1,051	0	424	..	73	..	45
Belarus	2017	617	..	..	..	852	..	..	..	1,051
	2018	697	..	..	..	781	..	..	..	1,245
	2019	713	..	..	..	819	..	..	..	1,021
	2020	644	..	..	..	979	..	..	..	1,293
Belgium	2017	916	..	2,319	..	395	..	305	..	3,698
	2018	824	..	2,611	..	..	..	400	..	2,488
	2019	685	..	2,769	..	..	..	1,047	..	3,830
	2020	499	..	2,481	..	143	..	825	..	3,171
Bosnia and Herzegovina	2017	..	..	7	51	171	..	..	..	20
	2018	..	..	7	40	146	..	..	..	19
	2019	..	..	1	16	4	..	..	..	..
	2020	..	..	..	13	..	..	..	..	..
Bulgaria	2017	331	..	448	..	16	..	98	4	9
	2018	294	..	372	..	84	..	75	3	4
	2019	374	..	487	..	105	..	85	3	2
	2020	324	..	372	..	115	..	58	3	1
Croatia	2017	185	..	52	11	..	..	74	..	115
	2018	187	..	39	11	1	..	58	..	106
	2019	129	..	14	10	..	..	67	..	25
	2020	114	..	36	10	..	..	22	..	86
Czechia	2017	145	..	840	85	551	12	102	..	817
	2018	140	..	930	95	566	11	89	..	669
	2019	148	..	911	92	547	9	99	..	636
	2020	112	..	707	82	451	9	77	..	553

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
Denmark	2017	306	..	..	..	..	..	..	..	..
	2018	301	..	..	..	..	..	..	..	..
	2019	320	..	..	..	..	..	..	..	..
	2020	308	..	..	..	..	..	..	..	..
Finland	2017	574	..	103	296	139	..	117	130	5
	2018	586	..	70	305	225	..	100	140	38
	2019	632	..	133	299	218	..	109	155	46
	2020	570	..	91	250	271	..	104	152	6
France	2017	1,282	20	5,301	719	2,047	97	485	58	963
	2018	1,167	7	5,387	571	2,056	71	481	85	859
	2019	1,178	9	4,267	555	1,976	63	387	68	821
	2020	905	8	3,324	491	1,560	54	336	35	732
Germany	2017	4,051	..	7,635	2,508	4,289	94	1,911	259	1,393
	2018	3,742	..	6,373	2,460	4,083	219	1,715	174	1,238
	2019	3,835	..	6,662	2,282	3,915	306	1,705	414	1,337
	2020	3,538	..	6,820	2,400	3,755	311	1,682	537	1,227
Greece	2017	664	..	1,616	249	907	..	483	..	1,462
	2018	839	..	1,795	281	1,142	..	583	..	1,271
	2019	776	..	1,618	251	1,549	..	505	..	1,389
	2020	660	..	2,259	236	1,753	..	489	..	1,345
Hungary	2017	174	..	862	133	440	42	309	24	640
	2018	207	..	1,036	135	404	34	330	19	752
	2019	206	..	880	124	407	31	317	16	783
	2020	203	..	983	127	410	34	337	19	736
Ireland	2017	74	..	94	..	..	..	..	..	..
	2018	76	..	35	..	..	..	..	..	..
	2019	62	..	42	..	..	..	..	..	..
	2020	69	..	89	..	..	..	..	..	..
Italy	2017	2,718	..	6,391	1,554	2,772	145	1,033	4	2,563
	2018	2,790	..	5,108	1,347	2,554	100	759	3	2,907
	2019	2,733	..	4,965	755	2,750	83	769	3	2,379
	2020	2,322	..	3,919	1,013	3,083	96	588	3	2,640
Lithuania	2017	352	..	..	66	209	..	119	..	94
	2018	332	..	..	72	242	..	121	..	94
	2019	302	..	..	86	372	..	122	..	86
	2020	247	..	..	88	357	..	102	..	71
Netherlands	2017	2,099	..	10,993	0	216	78	388	121	2,378
	2018	1,946	..	11,572	..	330	174	391	114	2,319
	2019	2,291	..	11,446	561	252	55	443	82	2,591
	2020	1,921	..	10,801	643	637	39	420	467	1,017
Norway	2017	482	..	1,236	..	..	..	504	..	..
	2018	478	..	1,281	..	..	..	485	..	..
	2019	426	..	1,329	..	..	..	363	..	..
	2020	406	..	1,417	..	..	..	368	..	..
Poland	2017	542	..	1,935	452	1,452	76	..	89	1,246
	2018	623	..	2,000	472	1,494	87	..	113	1,164
	2019	702	..	2,020	415	1,485	87	30	107	1,340
	2020	777	..	2,138	393	1,529	84	293	140	1,476
Portugal	2017	9	..	1,321	136	196	10	..	16	886
	2018	11	..	1,018	116	132	9	..	16	775
	2019	13	..	1,091	103	171	8	..	8	729
	2020	16	..	953	137	190	6	..	12	688

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
Republic of Moldova	2017	..	..	..	..	..	..	..	..	3
	2018	..	..	..	0	0	..	..	0	1
	2019	..	..	..	..	0	..	..	..	1
	2020	..	..	..	..	..	..	..	..	0
Romania	2017	783	..	230	..	96	..	909	126	196
	2018	788	..	193	..	102	..	838	132	254
	2019	842	..	181	..	120	..	846	138	247
	2020	726	..	150	..	123	..	768	111	246
Russian Federation	2017	15,318	*1,514	26,485	7,041	6,693	251	3,727	1,705	4,245
	2018	*15,350	*1,920	27,236	11,480	6,912	246	3,829	845	9,267
	2019	*15,400	*1,905	25,783	14,144	7,069	243	3,971	717	6,275
	2020	*15,400	*1,910	25,010	13,598	6,797	233	4,328	809	6,033
Serbia	2017	53	..	441	11	360	..	13	..	197
	2018	59	..	449	13	416	..	12	0	188
	2019	62	..	398	14	398	..	12	..	203
	2020	63	..	456	9	398	..	49	..	197
Slovakia	2017	572	..	472	..	..	..	59	..	153
	2018	528	..	397	..	..	..	55	..	127
	2019	494	..	430	..	..	..	38	..	148
	2020	504	..	534	..	..	..	49	..	351
Spain	2017	2,346	..	1,368	399	2,483	88	3,823	255	2,338
	2018	2,236	..	1,756	415	2,630	90	3,802	243	2,319
	2019	2,113	..	1,438	354	2,373	78	3,604	202	2,474
	2020	1,907	..	1,309	317	1,908	72	3,529	129	3,083
Sweden	2017	733	..	83	378	870	..	59	..	1,800
	2018	822	..	188	355	733	..	69	..	122
	2019	489	..	293	297	760	..	42	..	1,728
	2020	570	..	248	227	654	..	11	..	4,094
Switzerland	2017	121	..	1	..	..	..	..	..	37
	2018	131	..	16	..	..	..	..	..	45
	2019	119	..	19	..	..	..	..	..	30
	2020	121	..	15	..	..	..	..	..	28
Ukraine	2017	36	..	..	112	37	..	..	..	599
	2018	35	..	..	147	170	..	..	..	1,282
	2019	41	..	..	150	23	..	..	..	432
	2020	40	..	..	108	52	..	..	..	448
United Kingdom	2017	2,424	..	2,280	443	817	39	1,910	7	1,018
	2018	2,368	..	2,209	436	875	55	1,685	7	1,459
	2019	2,277	..	2,072	293	892	68	1,793	8	1,835
	2020	1,933	..	1,844	286	638	60	1,401	7	1,469
Latin America & Carib.	2017	10,140	..	8,850	1,395	4,297	77	11,635	477	8,413
	2018	9,261	..	8,542	1,522	4,588	80	10,699	453	6,980
	2019	9,077	..	8,830	1,325	3,770	77	10,604	433	7,133
	2020	8,246	..	9,697	1,384	4,284	77	9,450	440	5,330
Argentina	2017	1,017	..	727	219	242	8	1,478	230	..
	2018	1,072	..	400	225	396	7	1,511	201	..
	2019	925	..	640	218	328	8	1,462	196	..
	2020	876	..	1,161	178	233	8	*1,249	204	..
Bolivia (Plur. State of)	2017	98	..	0	24	2	1	..	..	193
	2018	98	..	0	23	1	0	..	..	150
	2019	89	..	0	21	1	0	..	..	101
	2020	95	..	0	16	1	1	..	..	59

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
Brazil	2017	4,549	..	2,248	656	1,955	..	5,618	232	2,370
	2018	4,264	..	2,944	785	1,900	..	5,093	237	2,312
	2019	4,022	..	3,250	784	1,722	..	5,029	224	2,448
	2020	4,058	..	4,486	806	2,318	..	4,938	225	2,038
Chile	2017	211	..	75	..	..	..	446	..	579
	2018	215	..	64	..	..	..	443	..	608
	2019	242	..	137	..	..	..	464	..	431
	2020	175	..	60	..	..	..	325	..	690
Colombia	2017	..	..	1,070	142	279	37	681	..	1,035
	2018	..	..	1,164	139	263	37	953	..	439
	2019	253	..	942	139	198	37	891	..	1,493
	2020	254	..	1,509	139	80	37	692	..	657
Cuba	2017	3	..	289	51	58	..	2	..	..
	2018	4	..	301	51	63	..	1	..	..
	2019	5	..	192	33	38	..	1	..	..
	2020	14	..	282	36	34	..	4	..	..
Curaçao	2017	106	..	63	64	76	..	95	..	190
	2018	52	..	48	32	37	..	47	..	93
	2019	0	..	0	0	0	..	0	..	0
	2020	..	..	..	..	..	..	..	..	..
Dominican Republic	2017	10	..	..	..	..	..	..	..	..
	2018	14	..	..	..	..	..	..	..	..
	2019	11	..	..	..	..	..	..	..	..
	2020	4	..	..	..	..	..	..	..	..
Ecuador	2017	59	..	..	..	..	..	..	..	898
	2018	51	..	..	..	..	..	..	..	848
	2019	50	..	..	..	..	..	..	..	824
	2020	40	..	..	..	..	..	..	..	757
Guatemala	2017	..	..	..	..	38	..	..	..	..
	2018	..	..	..	..	97	..	..	..	..
	2019	..	..	..	..	146	..	..	..	..
	2020	..	..	..	..	110	..	..	..	..
Jamaica	2017	..	..	40	..	18	..	..	..	..
	2018	..	..	0	..	*10	..	..	..	..
	2019	..	..	..	..	*10	..	..	..	..
	2020	..	..	..	..	*10	..	..	..	..
Mexico	2017	2,445	..	2,441	99	959	20	1,657	..	108
	2018	1,816	..	2,046	155	1,175	26	1,030	..	93
	2019	2,319	..	2,201	56	792	24	1,819	..	94
	2020	2,162	..	1,747	157	1,187	26	1,579	..	51
Nicaragua	2017	18	..	..	..	17	..	..	14	..
	2018	15	..	..	..	21	..	..	13	..
	2019	24	..	..	..	4	..	..	10	..
	2020	24	..	..	..	..	..	..	9	..
Peru	2017	124	..	..	..	..	..	..	..	287
	2018	139	..	..	..	..	..	..	..	276
	2019	149	..	..	..	..	..	..	..	248
	2020	50	..	..	..	..	..	..	..	266
Suriname	2017	..	..	..	..	5	..	..	..	..
	2018	..	..	..	..	4	..	..	..	..
	2019	..	..	..	..	10	..	..	..	..
	2020	..	..	..	..	5	..	..	..	..

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
Trinidad and Tobago	2017	52	..	0	..	12	..	..	..	309
	2018	88	..	..	..	11	..	..	..	50
	2019	..	..	..	..	..	..	..	..	..
	2020	..	..	..	..	..	..	..	..	..
Uruguay	2017	18	..	..	..	26	..	10	0	..
	2018	58	..	..	..	102	..	37	2	..
	2019	54	..	..	..	75	..	31	2	..
	2020	61	..	..	..	39	..	30	2	..
Venezuela (Bolivar. Rep.)	2017	1,430	..	1,897	140	612	11	1,648	..	2,444
	2018	1,374	..	1,575	113	507	9	1,584	..	2,111
	2019	934	..	1,468	73	445	8	907	..	1,494
	2020	433	..	452	51	268	5	633	..	813
Northern America	2017	17,950	116	10,140	10,241	24,912	225	61,006	1,700	15,184
	2018	18,536	128	11,235	10,660	24,886	213	61,004	1,620	16,350
	2019	18,672	107	9,405	9,096	24,452	203	57,863	1,365	31,773
	2020	16,760	130	8,221	8,394	24,778	175	52,575	1,435	28,796
Canada	2017	2,645	..	1,749	1,038	5,176	..	1,266	95	2,681
	2018	2,948	..	1,939	1,127	5,420	..	1,301	82	3,372
	2019	3,844	..	1,166	473	5,415	..	1,956	13	19,675
	2020	3,176	..	963	519	5,516	..	1,610	66	17,534
United States	2017	15,305	116	8,391	9,203	19,736	225	59,740	1,605	12,503
	2018	15,588	128	9,296	9,533	19,466	213	59,703	1,538	12,978
	2019	14,827	107	8,239	8,623	19,037	203	55,906	1,352	12,098
	2020	13,583	130	7,258	7,875	19,262	175	50,965	1,370	11,262
Oceania	2017	1,021	..	838	..	202	..	374	66	167
	2018	1,058	..	743	..	164	..	321	72	88
	2019	1,065	..	433	..	125	..	238	..	2,682
	2020	897	..	606	..	89	..	177	..	3,188
Australia	2017	757	..	318	..	124	..	374	66	79
	2018	808	..	310	..	98	..	321	72	11
	2019	807	..	..	..	..	..	238	..	2,265
	2020	713	..	..	..	..	..	177	..	2,552
New Zealand	2017	264	..	..	..	78	..	..	..	75
	2018	250	..	..	..	66	..	..	..	64
	2019	258	..	..	..	125	..	..	..	402
	2020	184	..	..	..	89	..	..	..	616
Papua New Guinea	2017	..	..	520	..	..	..	..	..	13
	2018	..	..	433	..	..	..	..	..	14
	2019	..	..	433	..	..	..	..	..	16
	2020	..	..	606	..	..	..	..	..	20

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, 1990-2020

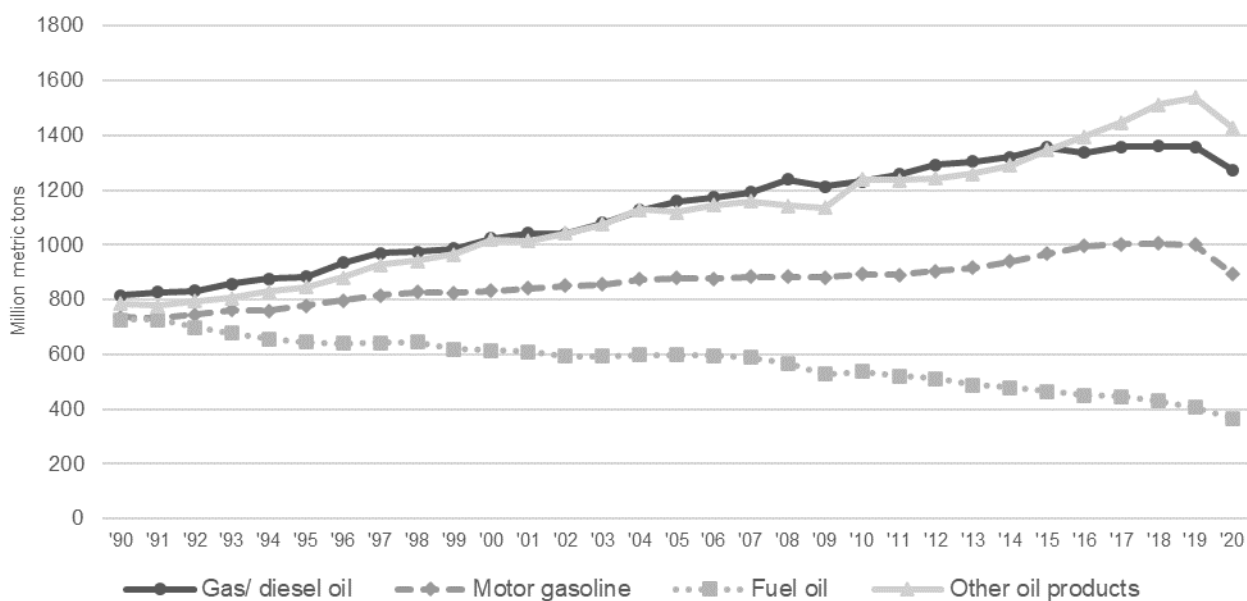


Table 24

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	2017	4,253,054	1,358,449	1,002,944	445,709	287,679	315,582	124,690	138,565	56,334	523,100
	2018	4,308,604	1,360,133	1,005,328	430,462	295,403	335,292	129,163	141,768	55,673	555,382
	2019	4,303,586	1,357,507	1,000,513	406,510	295,609	337,912	129,916	143,052	50,415	582,150
	2020	3,963,121	1,273,123	895,370	365,527	288,769	216,354	121,376	137,566	46,370	618,665
Africa	2017	95,454	30,675	17,099	20,424	10,529	7,297	1,257	2,335	1,494	4,344
	2018	98,631	31,617	17,724	21,449	10,675	7,624	1,227	2,037	1,254	5,024
	2019	97,688	33,536	16,360	21,959	10,297	8,099	1,296	1,954	896	3,292
	2020	86,060	30,085	14,576	18,886	10,220	5,470	806	1,996	849	3,171
Algeria	2017	28,317	8,537	2,547	6,402	8,143	*1,544	..	743	*17	*384
	2018	29,914	10,189	3,749	5,822	7,634	*1,497	..	658	*18	*347
	2019	28,298	9,590	3,253	5,915	7,268	1,221	..	658	*15	*378
	2020	27,815	9,503	3,105	5,920	7,341	992	..	672	22	260
Angola	2017	2,556	607	35	947	278	350	74	27	52	186
	2018	1,858	436	5	614	244	228	53	17	36	225
	2019	2,519	615	39	1,072	333	305	74	28	24	28
	2020	1,828	548	11	574	348	139	25	25	143	16
Cameroon	2017	1,313	471	240	222	..	87	55	11	100	128
	2018	1,191	427	218	201	..	79	50	10	90	116
	2019	616	221	113	104	..	41	26	5	47	60
	2020	..	..	..	..	..	..	..	..	..	..
Chad	2017	*656	*340	*173	*24	..	*36	..	*28	*4	*52
	2018	*656	*348	*157	*24	..	*38	..	*32	*4	*53
	2019	*677	*353	*171	*26	..	*35	..	*35	*4	*54
	2020	*657	*351	*158	*25	..	*33	..	*36	*3	*52
Congo	2017	716	214	64	358	9	37	..	8	7	19
	2018	725	217	65	362	9	38	..	8	7	19
	2019	735	221	65	368	10	38	..	8	7	19
	2020	713	210	62	367	9	33	..	8	4	19
Côte d'Ivoire	2017	*3,064	*1,222	*888	*313	..	*327	19	*10	..	285
	2018	3,366	1,241	771	652	..	359	20	18	..	305
	2019	3,711	1,411	844	704	..	552	23	22	..	155
	2020	3,329	1,342	929	632	..	236	21	22	..	149
Egypt	2017	23,888	7,403	4,453	7,354	450	1,909	136	533	65	1,585
	2018	26,083	7,640	4,827	7,444	737	2,162	130	591	33	2,519
	2019	28,310	8,046	5,258	9,009	833	2,744	142	571	41	1,666
	2020	29,692	9,901	5,314	7,869	1,660	2,261	157	647	43	1,839
Gabon	2017	793	254	32	396	..	36	..	41	22	12
	2018	683	233	29	352	..	33	..	5	20	11
	2019	582	189	30	299	..	31	..	5	19	9
	2020	818	241	54	438	..	39	..	10	23	13
Ghana	2017	19	6	7	4	..	0	..	0	2	..
	2018	310	114	102	32	..	22	..	8	33	..
	2019	624	198	125	205	..	80	..	4	12	..
	2020	496	150	66	216	..	28	..	1	35	..
Libya	2017	4,793	1,332	470	1,676	667	455	97	43	24	30
	2018	5,598	1,563	391	1,850	948	646	113	35	17	35
	2019	4,259	1,116	227	1,263	1,073	421	87	35	10	27
	2020	1,722	450	91	509	432	170	35	14	11	11
Niger	2017	814	520	228	..	..	0	..	47	..	19
	2018	763	492	197	..	..	3	..	53	..	19
	2019	634	382	175	..	..	0	..	60	..	17
	2020	645	387	184	..	..	0	..	57	..	18

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
Nigeria	2017	4,379	900	675	994	342	54	102	79	502	732
	2018	2,389	347	368	552	158	27	57	48	327	503
	2019	528	81	107	224	36	5	12	3	60	1
	2020	0	0	0	0	0	0	0	0	0	0
Senegal	2017	1,202	679	97	285	123	0	15	3	..	..
	2018	981	576	93	220	76	..	13	3	..	..
	2019	886	522	84	191	71	..	12	3	2	..
	2020	757	472	64	179	30	..	10	3	..	..
South Africa	2017	17,918	*5,861	5,983	895	420	2,379	723	405	619	631
	2018	19,125	5,417	5,668	2,753	618	2,444	758	246	605	616
	2019	21,120	8,539	4,795	2,238	632	2,587	886	221	596	628
	2020	12,803	4,258	3,492	1,570	200	1,503	524	199	504	552
Sudan	2017	3,609	1,797	1,063	51	4	82	20	329	4	258
	2018	3,320	1,696	925	114	9	38	*20	277	10	231
	2019	*3,390	*1,717	*937	*116	*9	*39	*20	*281	*38	*234
	2020	*3,331	*1,691	*923	*114	*9	*38	*20	*277	30	*230
Tunisia	2017	848	314	21	327	93	..	4	19	59	11
	2018	1,074	407	23	338	241	..	..	18	34	13
	2019	141	41	..	52	33	..	..	3	11	2
	2020	1,108	421	49	394	191	..	6	20	20	6
Zambia	2017	569	217	124	176	..	0	12	9	18	12
	2018	595	274	136	119	..	11	13	9	21	13
	2019	658	294	138	172	..	2	14	11	13	14
	2020	344	161	74	80	..	0	7	5	9	7
Asia	2017	1,968,973	616,622	357,125	200,573	183,965	156,815	56,134	69,807	40,614	287,318
	2018	2,027,183	623,350	360,311	197,007	191,075	167,862	61,236	73,773	39,281	313,287
	2019	2,046,481	617,476	371,373	189,159	196,368	171,371	62,122	75,298	35,011	328,303
	2020	1,967,003	584,349	343,583	181,681	192,999	120,432	59,480	75,342	33,381	375,755
Afghanistan	2017	*112	*44	*44	*12	..	..	..	..	..	*12
	2018	*176	*68	*68	*20	..	..	..	..	..	*20
	2019	*112	*44	*44	*12	..	..	..	..	..	*12
	2020	*46	*18	*18	*5	..	..	..	..	..	*5
Azerbaijan	2017	5,559	1,849	1,215	236	169	588	214	200	..	1,088
	2018	5,963	2,148	1,186	107	205	708	214	204	..	1,192
	2019	6,041	2,243	1,161	127	*243	667	242	198	..	1,161
	2020	5,795	2,181	1,167	62	217	519	228	187	..	1,234
Bahrain	2017	13,303	4,184	744	2,750	1,494	3,116	..	149	0	866
	2018	13,227	4,083	741	2,599	1,655	3,116	..	166	0	867
	2019	13,386	4,210	755	2,662	1,706	3,097	..	136	0	820
	2020	11,200	3,947	537	1,948	1,562	2,326	..	124	..	756
Bangladesh	2017	1,432	407	32	443	161	1	16	12	237	123
	2018	1,249	499	94	304	97	1	14	10	127	103
	2019	1,408	638	95	344	101	..	15	13	95	107
	2020	1,057	451	84	275	77	1	11	9	83	65
Brunei Darussalam	2017	232	104	73	..	..	46	3	..	6	..
	2018	320	110	133	..	..	55	18	..	4	..
	2019	1,330	422	325	..	..	248	14	75	3	243
	2020	8,137	2,682	1,505	5	687	334	4	601	5	2,315
China	2017	675,125	186,679	132,762	45,635	53,339	41,797	19,825	36,625	1,442	157,021
	2018	711,792	183,601	142,647	38,997	60,255	47,216	20,132	39,156	1,437	178,351
	2019	763,910	173,083	147,816	45,061	66,201	52,502	21,879	42,100	1,715	213,554
	2020	808,477	165,299	*141,618	57,807	71,907	*39,713	23,486	44,890	*2,531	261,227

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
Georgia	2017	24	10	2	9	3	..	..	..	..	..
	2018	22	10	1	9	3	..	..	..	..	..
	2019	37	15	1	16	4	..	..	..	..	..
	2020	37	12	10	12	3	..	..	..	..	1
India	2017	260,900	108,466	37,784	9,486	18,786	14,594	*9,825	10,170	4,408	47,381
	2018	273,711	111,236	38,039	10,032	*18,536	*15,461	*14,117	*10,700	4,072	*51,518
	2019	263,195	111,841	38,616	8,609	*19,399	*15,212	*15,470	10,723	3,141	40,184
	2020	231,656	101,170	35,779	*6,882	*18,421	*7,077	*13,552	10,213	2,393	*36,169
Indonesia	2017	38,923	16,723	9,473	1,027	1,565	2,613	673	871	788	5,190
	2018	38,887	17,614	7,746	1,258	1,666	2,993	690	891	779	5,250
	2019	42,353	17,307	11,310	1,168	1,619	3,389	694	861	896	*5,110
	2020	40,742	16,769	11,496	*1,273	1,883	2,446	633	850	614	*4,779
Iran (Islamic Rep. of)	2017	87,782	26,937	22,130	19,707	3,000	1,592	1,581	2,123	2,820	7,892
	2018	87,516	28,608	17,743	22,136	3,030	1,633	*1,681	2,120	2,895	7,670
	2019	88,203	28,566	18,169	22,048	3,103	1,597	*1,679	2,215	2,829	8,000
	2020	82,221	27,049	17,091	21,364	2,919	895	*1,556	2,121	1,577	7,648
Iraq	2017	24,090	4,068	2,483	14,573	571	247	164	173	1,396	415
	2018	28,267	5,291	2,832	16,182	1,522	212	193	252	1,447	335
	2019	29,738	5,825	2,553	16,880	1,890	235	205	208	1,526	416
	2020	25,838	5,239	2,063	14,169	2,063	106	178	237	1,329	454
Israel	2017	14,088	4,628	2,766	2,667	1,201	1,127	569	362	..	767
	2018	14,782	4,789	3,055	2,576	1,153	1,325	567	422	..	895
	2019	15,268	5,389	2,946	2,425	1,383	1,420	615	425	..	665
	2020	12,832	4,973	2,491	1,531	1,392	557	706	374	..	807
Japan	2017	157,198	45,619	39,157	15,334	13,175	11,501	6,515	4,416	12,796	8,686
	2018	150,956	44,574	37,464	14,735	12,385	12,194	6,356	3,755	10,780	8,713
	2019	147,427	44,287	36,020	14,321	12,546	12,238	5,833	3,401	10,777	8,004
	2020	121,298	37,088	31,997	12,589	9,091	5,045	4,988	2,846	10,655	6,999
Jordan	2017	2,671	845	557	564	..	287	*33	78	54	253
	2018	2,264	738	483	458	..	319	42	65	11	149
	2019	2,140	759	507	369	..	163	*40	68	*35	*199
	2020	1,786	614	366	342	..	143	*35	54	78	*154
Kazakhstan	2017	13,619	4,352	3,055	3,365	..	302	161	1,077	0	1,307
	2018	14,617	4,664	3,955	2,948	..	387	177	995	5	1,486
	2019	15,910	5,033	4,533	2,875	..	629	264	1,035	5	1,536
	2020	14,925	4,674	4,482	2,255	..	444	343	1,047	3	1,678
Korea, Dem.Ppl's.Rep.	2017	515	191	178	109	..	..	..	..	37	..
	2018	515	191	178	109	..	..	..	..	37	..
	2019	515	191	178	109	..	..	..	..	37	..
	2020	515	191	178	109	..	..	..	..	37	..
Korea, Republic of	2017	153,142	46,583	18,343	9,874	35,356	21,944	3,831	2,773	2,722	11,716
	2018	158,099	48,366	19,601	10,200	36,933	21,571	4,365	2,922	2,729	11,412
	2019	157,811	49,425	19,722	8,526	36,758	21,544	4,729	2,882	2,781	11,444
	2020	147,105	47,180	16,770	11,204	33,734	14,199	4,370	2,476	5,745	11,427
Kuwait	2017	32,150	8,476	2,113	8,723	5,675	1,731	310	189	4,362	571
	2018	32,450	8,397	2,097	8,642	5,613	1,855	322	193	4,676	654
	2019	30,906	8,168	2,587	8,357	5,561	1,573	288	166	3,965	241
	2020	26,138	8,866	2,189	4,165	5,546	1,328	265	154	3,348	277
Kyrgyzstan	2017	431	89	235	63	..	..	..	44	..	..
	2018	544	79	219	156	..	..	..	55	..	35
	2019	318	83	103	115	..	..	..	15	..	2
	2020	162	58	13	84	..	..	..	7	..	0

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
Malaysia	2017	26,501	9,725	7,855	1,739	2,356	3,152	172	764	10	728
	2018	24,093	9,515	5,258	2,452	1,818	3,342	128	826	18	736
	2019	22,506	9,011	4,979	2,322	*1,506	3,165	113	783	17	*610
	2020	21,630	8,018	4,857	1,343	*2,818	3,226	130	493	7	*736
Myanmar	2017	406	151	145	78	..	15	..	..	0	17
	2018	247	115	70	37	..	11	..	..	0	13
	2019	207	103	52	23	..	12	..	6	0	11
	2020	237	94	53	35	..	8	..	7	0	40
Oman	2017	9,625	3,437	2,990	372	939	923	124	417	4	419
	2018	12,141	3,769	3,185	277	1,375	1,715	149	526	3	1,143
	2019	12,031	3,463	3,311	336	1,374	1,804	136	495	2	1,111
	2020	10,451	3,751	2,718	204	1,448	901	116	451	1	861
Other Asia	2017	44,406	13,343	8,463	4,953	7,667	3,780	1,887	1,018	2	3,292
	2018	46,752	14,379	8,537	4,173	8,696	4,087	2,295	1,131	5	3,449
	2019	46,305	14,847	8,141	3,690	8,587	4,111	2,331	1,050	2	3,546
	2020	38,920	11,352	6,416	4,447	7,680	3,226	2,071	771	4	2,953
Pakistan	2017	13,751	5,501	2,212	3,303	781	914	..	392	115	*534
	2018	13,472	5,232	2,383	3,398	794	783	33	210	113	526
	2019	11,939	4,715	2,183	2,702	570	799	21	442	107	400
	2020	9,872	3,725	2,033	2,290	374	*852	31	155	83	329
Philippines	2017	9,847	3,840	2,153	977	200	913	..	446	53	1,266
	2018	11,110	4,589	2,435	737	241	1,040	..	509	47	1,511
	2019	7,735	3,227	1,689	702	161	810	..	286	33	828
	2020	4,525	2,061	936	356	86	343	..	152	24	568
Qatar	2017	15,883	1,973	1,937	234	5,592	5,230	58	332	..	527
	2018	15,867	2,059	1,770	146	4,965	5,858	58	290	..	720
	2019	16,047	1,948	1,671	141	4,689	5,532	63	273	..	1,730
	2020	14,572	1,626	1,396	114	3,919	4,626	49	229	..	2,614
Saudi Arabia	2017	148,540	54,486	23,949	25,699	8,499	4,321	4,300	1,335	7,332	18,619
	2018	146,532	54,156	23,418	25,106	6,877	4,572	4,248	1,465	7,758	18,932
	2019	125,274	53,355	22,772	23,344	5,819	*4,043	*2,204	1,259	*4,804	7,674
	2020	115,982	49,979	19,624	19,106	5,117	6,861	*2,013	1,100	*2,949	9,233
Singapore	2017	53,684	10,967	9,108	5,383	4,494	11,864	3,251	224	205	8,188
	2018	49,002	9,185	8,491	5,461	2,898	11,862	3,107	833	250	6,915
	2019	50,315	10,734	8,122	4,924	4,296	11,347	2,978	873	256	6,786
	2020	42,417	9,120	6,634	4,211	3,605	9,641	2,442	742	223	5,799
Sri Lanka	2017	1,642	506	165	494	142	236	19	19	60	1
	2018	1,629	568	165	424	141	237	22	22	35	15
	2019	1,825	624	186	483	162	259	27	27	38	19
	2020	1,669	538	164	469	164	157	27	25	109	15
Syrian Arab Republic	2017	6,418	2,025	533	2,647	530	194	86	67	3	333
	2018	8,096	2,554	672	3,339	668	245	108	85	4	420
	2019	6,953	2,193	577	2,868	574	210	93	73	3	361
	2020	6,346	2,002	527	2,618	524	192	85	67	3	330
Tajikistan	2017	23	10	1	9	..	..	..	..	..	3
	2018	46	17	1	26	..	..	..	..	..	3
	2019	30	13	0	15	..	..	..	..	..	3
	2020	16	6	0	8	..	..	..	..	..	3
Thailand	2017	60,098	23,150	8,974	5,526	10,430	5,573	569	1,821	1,557	2,499
	2018	61,335	23,152	9,356	5,580	10,431	6,097	570	1,938	1,694	2,517
	2019	56,394	20,637	9,299	5,152	9,445	5,710	511	1,742	1,619	2,280
	2020	57,279	25,505	9,252	4,663	9,279	2,553	502	1,840	1,306	2,379

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
Türkiye	2017	31,940	10,478	5,366	2,987	343	4,837	1,354	1,015	19	5,541
	2018	28,227	9,421	4,691	2,189	375	4,787	1,004	913	23	4,824
	2019	37,005	13,817	5,298	3,114	1,138	5,964	1,084	1,082	10	5,498
	2020	35,315	17,085	4,168	459	1,504	2,926	1,134	971	6	7,062
Turkmenistan	2017	8,526	2,770	2,610	1,690	..	464	112	360	150	370
	2018	8,566	2,770	2,610	1,690	..	510	106	360	150	370
	2019	8,507	2,770	2,610	1,690	..	453	104	360	150	370
	2020	8,313	2,770	2,610	1,690	..	261	102	360	150	370
United Arab Emirates	2017	46,361	10,427	3,819	9,608	7,427	12,398	387	1,039	..	1,256
	2018	48,737	10,929	3,578	9,854	8,300	12,931	406	829	..	1,910
	2019	45,284	11,343	6,412	2,958	7,123	11,829	377	587	..	4,655
	2020	40,054	10,660	6,026	2,780	6,694	8,636	333	552	..	4,374
Uzbekistan	2017	3,609	1,017	1,112	112	..	146	94	830	9	289
	2018	3,847	1,081	1,147	143	..	193	114	819	9	342
	2019	3,611	1,030	1,016	211	..	157	*114	830	6	247
	2020	3,368	954	1,044	170	..	124	91	750	4	231
Viet Nam	2017	6,122	2,481	2,565	136	..	352	..	444	..	144
	2018	10,301	4,286	4,109	200	..	444	..	988	..	274
	2019	12,815	5,647	5,470	178	..	559	..	496	..	465
	2020	14,888	6,315	5,173	440	..	699	..	410	..	1,852
Yemen	2017	295	82	25	50	72	16	..	20	28	2
	2018	1,826	507	154	308	443	101	..	124	173	14
	2019	1,690	469	143	286	410	94	..	115	160	13
	2020	1,180	328	100	199	286	66	..	80	112	9
Europe	2017	969,768	349,950	167,322	141,037	73,357	49,291	38,189	46,882	12,790	90,950
	2018	966,237	343,184	167,803	133,235	73,133	52,839	37,845	47,332	13,624	97,242
	2019	962,571	347,608	164,414	129,442	70,276	52,792	37,685	47,561	13,482	99,311
	2020	865,117	324,275	146,699	108,439	67,026	29,557	35,187	43,820	11,075	99,038
Albania	2017	503	158	..	0	40	..	19	..	..	285
	2018	291	104	..	..	29	..	9	..	..	150
	2019	323	76	0	..	23	..	7	..	..	217
	2020	131	10	..	..	18	..	3	..	..	100
Austria	2017	8,496	3,776	1,692	839	804	613	262	102	15	393
	2018	9,165	3,860	1,928	710	1,028	761	281	111	26	462
	2019	9,530	3,972	1,971	735	1,006	894	316	137	15	485
	2020	8,438	3,617	1,714	737	1,051	363	284	117	13	542
Belarus	2017	18,451	6,543	3,481	5,112	..	401	617	387	7	1,903
	2018	18,752	6,443	3,335	5,409	..	370	697	465	7	2,026
	2019	17,607	7,003	2,900	4,382	..	463	713	292	14	1,840
	2020	16,083	6,112	3,009	3,515	..	225	644	296	10	2,272
Belgium	2017	35,283	12,843	4,608	7,488	2,319	1,942	916	738	31	4,397
	2018	34,070	13,525	4,013	7,507	2,611	1,842	824	829	30	2,889
	2019	35,151	14,695	4,253	4,585	2,769	2,195	685	1,069	25	4,876
	2020	27,511	12,807	3,111	2,582	2,481	830	499	1,036	26	4,140
Bosnia and Herzegovina	2017	862	366	142	81	7	..	..	24	..	242
	2018	704	300	116	57	7	..	..	19	..	205
	2019	74	9	18	25	1	..	..	1	..	20
	2020	13	..	..	..	..	..	..	..	..	13
Bulgaria	2017	7,142	3,032	1,848	974	448	265	331	120	..	126
	2018	6,189	2,545	1,508	948	372	259	294	97	..	166
	2019	6,968	3,191	1,778	581	487	232	374	131	..	195
	2020	5,061	2,491	1,224	259	372	138	324	77	..	177

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
Croatia	2017	3,882	1,492	1,005	577	52	131	185	242	..	200
	2018	3,929	1,556	895	669	39	192	187	216	..	175
	2019	2,908	1,239	712	397	14	158	129	156	..	102
	2020	2,560	1,190	626	267	36	58	114	151	..	117
Czechia	2017	8,183	3,403	1,521	169	840	180	145	358	..	1,567
	2018	7,848	3,276	1,398	137	930	181	140	356	..	1,430
	2019	8,089	3,409	1,483	139	911	216	148	400	..	1,383
	2020	6,341	2,713	1,184	93	707	48	112	312	..	1,172
Denmark	2017	8,759	4,346	2,241	1,626	..	122	306	118	..	..
	2018	9,095	4,496	2,189	1,870	..	113	301	126	..	..
	2019	8,635	4,251	2,225	1,592	..	121	320	127	..	..
	2020	8,176	4,075	2,133	1,469	..	79	308	113	..	..
Finland	2017	14,727	6,306	4,403	1,614	103	755	574	285	..	687
	2018	14,866	6,376	4,435	1,543	70	794	586	254	..	808
	2019	14,808	6,324	4,441	1,412	133	750	632	289	..	827
	2020	13,668	5,919	4,209	1,549	91	302	570	245	..	783
France	2017	59,348	24,794	11,304	6,403	5,301	4,257	1,282	1,618	..	4,389
	2018	55,639	23,087	10,408	5,853	5,387	4,186	1,167	1,421	..	4,130
	2019	50,842	20,799	9,298	6,176	4,267	3,889	1,178	1,357	..	3,878
	2020	36,896	15,469	7,565	4,051	3,324	1,481	905	886	..	3,216
Germany	2017	101,529	43,432	19,806	7,376	7,635	5,347	4,051	3,419	9	10,454
	2018	97,088	40,743	20,718	7,296	6,373	5,101	3,742	3,224	2	9,889
	2019	97,682	41,610	20,269	7,034	6,662	5,077	3,835	3,232	4	9,959
	2020	93,170	41,655	19,621	6,220	6,820	2,519	3,538	2,885	..	9,912
Greece	2017	31,766	10,797	5,291	7,028	1,616	2,431	664	837	0	3,101
	2018	32,771	10,975	5,351	6,551	1,795	3,136	839	847	..	3,277
	2019	30,133	10,252	5,007	5,172	1,618	2,813	776	802	..	3,694
	2020	28,766	11,523	4,613	3,467	2,259	1,638	660	780	..	3,824
Hungary	2017	7,146	3,086	1,023	78	862	236	174	99	..	1,588
	2018	7,658	3,174	1,117	43	1,036	297	207	110	..	1,674
	2019	7,398	3,114	1,089	21	880	300	206	110	..	1,678
	2020	7,292	3,081	1,107	23	983	123	203	109	..	1,663
Ireland	2017	3,184	1,216	551	1,042	94	..	74	49	158	..
	2018	3,057	1,097	601	976	35	..	76	58	215	..
	2019	2,742	1,044	518	725	42	..	62	45	307	..
	2020	2,892	1,043	537	824	89	..	69	52	277	..
Italy	2017	74,946	29,521	15,679	8,511	6,391	2,218	2,718	1,348	487	8,072
	2018	71,741	28,996	15,601	6,858	5,108	2,770	2,790	1,228	721	7,670
	2019	73,437	31,469	16,377	6,709	4,965	2,706	2,733	1,269	471	6,738
	2020	60,231	25,795	12,231	5,628	3,919	1,289	2,322	1,290	333	7,423
Lithuania	2017	10,021	3,332	2,738	1,688	..	1,059	352	363	..	488
	2018	9,782	3,389	2,555	1,681	..	955	332	342	..	529
	2019	9,605	3,240	2,465	1,539	..	996	302	399	..	665
	2020	7,905	2,588	2,136	1,105	..	878	247	333	..	618
Netherlands	2017	59,664	19,148	2,951	11,684	10,993	7,654	2,099	1,557	398	3,180
	2018	60,920	18,441	3,937	11,077	11,572	8,929	1,946	1,481	211	3,327
	2019	61,855	20,552	3,997	8,909	11,446	8,810	2,291	1,562	305	3,983
	2020	55,352	20,431	3,862	9,024	10,801	4,521	1,921	1,307	260	3,224
Norway	2017	17,294	6,667	4,596	1,545	1,236	763	482	1,416	85	504
	2018	17,698	7,470	4,421	1,474	1,281	778	478	1,304	7	485
	2019	15,865	6,545	3,616	1,806	1,329	655	426	1,085	40	363
	2020	14,579	5,823	3,522	1,494	1,417	371	406	1,165	13	368

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
Poland	2017	26,694	11,884	3,916	3,436	1,935	1,119	542	545	0	3,315
	2018	28,226	12,491	4,208	3,630	2,000	1,339	623	605	0	3,329
	2019	28,457	12,859	4,312	3,115	2,020	1,355	702	630	0	3,464
	2020	26,988	12,893	3,982	2,011	2,138	616	777	657	0	3,914
Portugal	2017	15,478	5,935	2,749	2,645	1,321	1,361	9	214	0	1,245
	2018	14,063	5,224	2,501	2,626	1,018	1,432	11	205	0	1,047
	2019	12,762	4,614	2,401	2,114	1,091	1,346	13	165	0	1,018
	2020	11,908	4,783	1,956	2,416	953	588	16	162	0	1,033
Republic of Moldova	2017	15	1	..	11	..	..	..	..	..	3
	2018	10	2	..	6	..	..	..	..	..	2
	2019	5	..	..	4	..	..	..	..	..	1
	2020	7	..	4	2	..	..	..	..	..	0
Romania	2017	12,462	5,655	3,285	182	230	381	783	617	1	1,328
	2018	12,584	5,656	3,381	196	193	418	788	624	1	1,326
	2019	13,327	6,139	3,485	193	181	512	842	625	1	1,351
	2020	11,728	5,711	3,022	153	150	204	726	514	0	1,247
Russian Federation	2017	281,548	80,090	38,027	56,018	26,485	12,577	15,318	27,605	*252	25,176
	2018	285,776	77,464	39,053	50,147	27,236	12,982	*15,350	28,730	*315	34,499
	2019	297,661	81,560	39,494	58,417	25,783	13,176	*15,400	29,077	*428	34,325
	2020	280,926	79,113	37,915	50,823	25,010	10,934	*15,400	27,624	*400	33,708
Serbia	2017	3,638	1,401	499	380	441	155	53	127	..	582
	2018	3,858	1,572	516	361	449	190	59	83	..	628
	2019	3,495	1,458	445	257	398	155	62	94	..	626
	2020	3,607	1,594	451	203	456	88	63	100	..	653
Slovakia	2017	6,119	2,852	1,395	363	472	76	572	177	..	212
	2018	5,930	2,704	1,362	482	397	95	528	180	..	182
	2019	5,580	2,562	1,137	535	430	72	494	164	..	186
	2020	6,045	2,769	1,050	618	534	33	504	137	..	400
Spain	2017	65,766	27,143	9,101	5,532	1,368	189	2,346	1,401	9,300	9,386
	2018	67,599	27,167	9,211	6,000	1,756	381	2,236	1,311	10,038	9,499
	2019	65,221	27,005	9,087	5,056	1,438	454	2,113	1,167	9,816	9,085
	2020	55,673	24,240	7,822	2,443	1,309	155	1,907	920	7,839	9,038
Sweden	2017	21,132	8,082	4,674	4,010	83	22	733	421	..	3,107
	2018	21,649	8,504	5,003	5,150	188	204	822	499	..	1,279
	2019	18,078	5,698	3,653	4,413	293	259	489	446	..	2,827
	2020	19,720	5,975	3,558	3,860	248	122	570	401	..	4,986
Switzerland	2017	2,877	1,666	648	290	1	7	121	107	..	37
	2018	3,069	1,776	648	316	16	5	131	133	..	45
	2019	2,763	1,577	596	311	19	3	119	108	..	30
	2020	2,881	1,681	566	364	15	9	121	97	..	28
Ukraine	2017	3,050	680	731	444	..	..	36	411	..	748
	2018	4,008	*730	*818	429	..	..	35	397	..	1,599
	2019	*2,843	*813	*901	74	..	..	41	409	..	605
	2020	*2,693	*850	*815	75	..	..	40	305	..	608
United Kingdom	2017	59,805	20,303	17,416	3,893	2,280	5,031	2,424	2,178	2,047	4,234
	2018	58,205	20,043	16,575	3,233	2,209	5,129	2,368	2,079	2,053	4,516
	2019	58,726	20,528	16,488	3,016	2,072	5,185	2,277	2,214	2,057	4,890
	2020	47,876	18,323	13,155	3,167	1,844	1,943	1,933	1,749	1,903	3,860
Latin America & Carib.	2017	260,409	81,575	58,470	53,974	8,850	13,589	10,140	7,223	293	26,294
	2018	242,275	77,009	54,024	48,611	8,542	13,449	9,261	6,761	295	24,322
	2019	225,044	73,793	51,161	39,832	8,830	12,380	9,077	6,376	254	23,341
	2020	205,463	69,574	42,354	40,479	9,697	7,911	8,246	6,014	224	20,964

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
Argentina	2017	25,741	9,803	6,576	2,993	727	1,434	1,017	1,004	10	2,177
	2018	24,053	9,397	6,575	1,878	400	1,461	1,072	921	9	2,340
	2019	24,127	9,484	6,481	2,138	640	1,466	925	773	8	2,212
	2020	22,811	9,159	4,986	2,642	1,161	1,461	876	646	9	*1,872
Bolivia (Plur. State of)	2017	2,439	745	1,035	..	0	190	98	135	16	220
	2018	2,326	724	997	..	0	179	98	134	18	175
	2019	2,020	582	916	..	0	177	89	111	20	123
	2020	1,964	623	963	..	0	85	95	108	14	76
Brazil	2017	93,083	35,321	19,406	11,646	2,248	5,041	4,549	4,036	5	10,831
	2018	91,463	36,396	17,550	10,761	2,944	5,200	4,264	4,016	5	10,327
	2019	91,193	35,557	17,684	11,626	3,250	4,916	4,022	3,926	5	10,207
	2020	94,945	36,687	16,068	16,643	4,486	2,703	4,058	3,971	4	10,325
Chile	2017	9,648	3,073	3,055	1,170	75	592	211	286	161	1,025
	2018	9,727	3,052	2,964	1,149	64	635	215	434	162	1,051
	2019	10,245	3,077	3,319	993	137	880	242	543	161	894
	2020	8,507	2,529	2,626	997	60	491	175	461	153	1,015
Colombia	2017	17,180	5,762	3,579	2,852	1,070	1,124	..	619	..	2,174
	2018	19,408	7,190	4,458	3,260	1,164	1,227	..	278	..	1,831
	2019	19,254	6,458	4,384	3,036	942	1,144	253	274	5	2,759
	2020	15,588	6,295	3,085	1,656	1,509	876	254	307	1	1,605
Cuba	2017	2,632	714	139	1,255	289	68	3	51	3	110
	2018	2,751	703	212	1,313	301	66	4	30	7	116
	2019	1,789	447	199	766	192	83	5	22	1	73
	2020	2,185	541	291	903	282	37	14	39	4	74
Curaçao	2017	4,295	845	1,181	1,366	63	286	106	24	..	425
	2018	3,060	641	843	1,037	48	215	52	18	..	208
	2019	0	0	0	0	0	0	0	0	..	0
	2020	..	..	..	..	..	..	..	..	..	..
Dominican Republic	2017	899	274	189	254	..	154	10	11	6	..
	2018	1,208	356	256	372	..	189	14	14	8	..
	2019	1,156	328	251	329	..	193	11	27	16	..
	2020	462	129	95	130	..	86	4	11	7	..
Ecuador	2017	7,751	1,876	1,262	3,108	..	383	59	164	..	898
	2018	8,136	1,820	1,335	3,572	..	365	51	145	..	848
	2019	7,158	1,741	1,230	2,866	..	360	50	88	..	824
	2020	5,949	1,310	943	2,607	..	192	40	100	..	757
Guatemala	2017	85	47	..	..	..	..	..	..	0	38
	2018	147	50	..	..	..	..	..	..	..	97
	2019	203	57	..	..	..	..	..	..	..	146
	2020	175	*65	..	..	..	..	..	..	..	110
Jamaica	2017	1,048	108	143	677	40	50	..	13	..	18
	2018	1,032	102	119	729	0	61	..	11	..	*10
	2019	1,240	125	154	884	..	60	..	7	..	*10
	2020	1,099	183	129	730	..	38	..	9	..	*10
Mexico	2017	44,357	11,165	10,715	12,360	2,441	1,884	2,445	504	..	2,843
	2018	33,417	5,966	8,654	10,550	2,046	1,589	1,816	317	..	2,479
	2019	32,418	6,972	8,213	8,472	2,201	1,234	2,319	222	..	2,785
	2020	32,316	6,427	7,993	10,019	1,747	796	2,162	172	..	3,000
Nicaragua	2017	692	169	101	318	..	29	18	20	8	31
	2018	639	210	96	240	..	18	15	17	8	34
	2019	518	233	108	96	..	17	24	21	6	14
	2020	516	267	111	77	..	7	24	16	5	9

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
Peru	2017	8,370	2,899	1,259	3,001	..	612	124	189	..	287
	2018	8,012	2,716	1,276	2,780	..	625	139	201	..	276
	2019	7,581	2,560	1,409	2,316	..	686	149	214	..	248
	2020	4,660	2,415	1,107	570	..	206	50	46	..	266
Suriname	2017	685	293	64	323	..	..	..	..	..	5
	2018	671	301	66	300	..	..	..	..	..	4
	2019	637	311	61	255	..	..	..	..	..	10
	2020	618	292	59	262	..	..	..	..	..	5
Trinidad and Tobago	2017	6,387	1,468	1,601	2,345	0	509	52	63	29	321
	2018	5,032	1,178	1,435	1,810	..	397	88	39	24	61
	2019	..	..	..	..	..	..	..	..	..	..
	2020	..	..	..	..	..	..	..	..	..	..
Uruguay	2017	557	191	149	105	..	31	18	22	5	36
	2018	2,073	883	533	242	..	105	58	106	5	141
	2019	1,991	850	549	225	..	100	54	102	4	108
	2020	1,845	845	511	214	..	42	61	96	6	70
Venezuela (Bolivar. Rep.)	2017	34,559	6,821	8,018	10,201	1,897	1,204	1,430	83	51	4,855
	2018	29,120	5,325	6,656	8,618	1,575	1,119	1,374	80	49	4,324
	2019	23,514	5,011	6,203	5,831	1,468	1,064	934	45	28	2,928
	2020	11,823	1,808	3,388	3,028	452	892	433	33	20	1,769
Northern America	2017	930,594	269,867	393,470	28,481	10,140	84,427	17,950	11,784	1,091	113,385
	2018	945,712	275,001	395,695	28,808	11,235	89,096	18,536	11,318	1,162	114,861
	2019	940,999	275,051	387,545	24,709	9,405	88,725	18,672	11,315	720	124,857
	2020	812,272	255,477	339,765	15,122	8,221	50,005	16,760	9,851	789	116,283
Canada	2017	92,827	32,268	33,229	4,739	1,749	5,661	2,645	1,524	756	10,256
	2018	89,859	29,953	30,891	5,196	1,939	5,540	2,948	1,362	728	11,302
	2019	108,474	32,373	31,132	4,994	1,166	5,548	3,844	1,637	247	27,532
	2020	97,925	31,765	28,791	3,724	963	2,636	3,176	1,406	218	25,246
United States	2017	837,767	237,599	360,241	23,742	8,391	78,766	15,305	10,260	335	103,129
	2018	855,853	245,048	364,804	23,612	9,296	83,556	15,588	9,956	434	103,559
	2019	832,525	242,678	356,414	19,715	8,239	83,176	14,827	9,679	473	97,326
	2020	714,347	223,712	310,974	11,398	7,258	47,370	13,583	8,446	571	91,037
Oceania	2017	27,855	9,760	9,459	1,220	838	4,162	1,021	535	52	809
	2018	28,567	9,972	9,771	1,353	743	4,422	1,058	546	56	646
	2019	30,802	10,044	9,660	1,410	433	4,545	1,065	548	52	3,045
	2020	27,207	9,364	8,392	920	606	2,979	897	542	53	3,454
Australia	2017	21,135	7,275	8,131	644	318	2,841	757	518	7	643
	2018	22,070	7,706	8,401	765	310	3,041	808	529	6	503
	2019	23,680	7,595	8,171	909	..	3,162	807	534	..	2,503
	2020	21,217	7,020	7,164	740	..	2,326	713	525	..	2,729
New Zealand	2017	5,343	1,942	1,328	435	..	1,221	264	..	..	153
	2018	5,330	1,790	1,370	465	..	1,325	250	..	..	130
	2019	6,053	2,028	1,489	422	..	1,330	258	..	..	527
	2020	4,637	1,803	1,229	80	..	638	184	..	..	704
Papua New Guinea	2017	1,378	543	0	141	520	100	..	17	45	13
	2018	1,167	475	..	122	433	56	..	17	51	14
	2019	1,069	422	..	80	433	53	..	14	52	16
	2020	1,352	541	..	101	606	15	..	17	53	20

Production, trade and supply of oil products

Thousand metric tons

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, 1990-2020

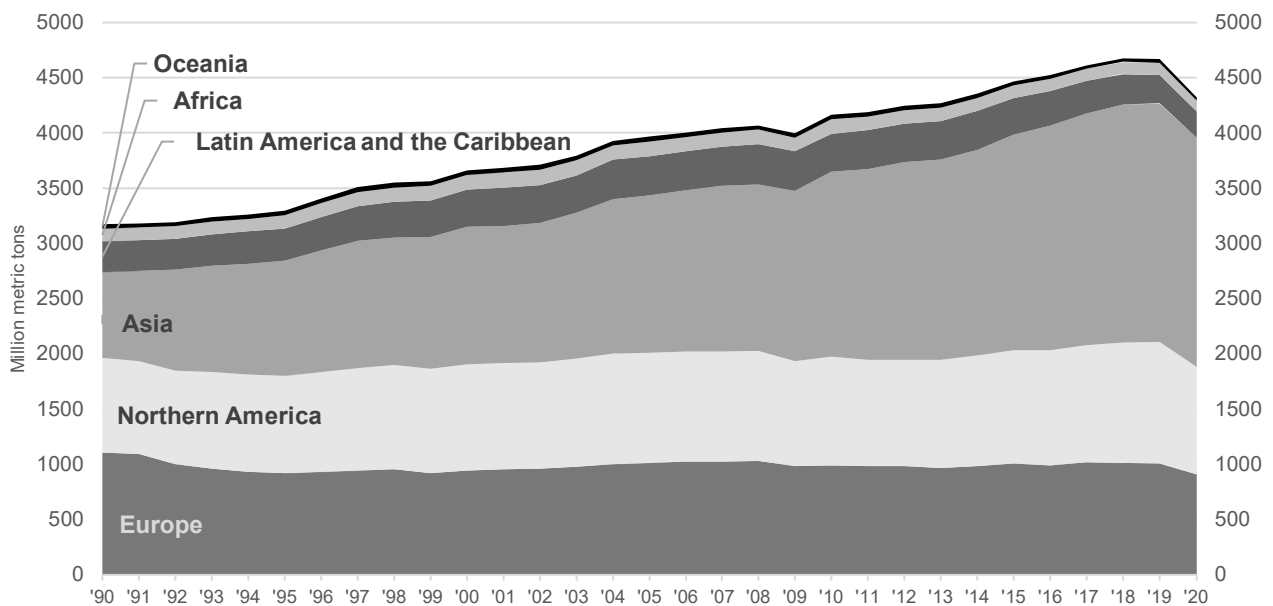


Table 25

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	2017	4,610,292	1,426,593	1,469,121	404,994	-13,792	4,176,561	550
	2018	4,674,018	1,431,568	1,490,835	405,812	4,653	4,204,286	547
	2019	4,667,656	1,402,831	1,436,085	405,328	6,861	4,222,212	544
	2020	4,322,617	1,269,451	1,298,698	297,964	31,244	3,964,163	506
Africa	2017	107,439	120,084	37,988	11,933	-302	177,904	141
	2018	110,397	111,278	37,497	13,713	-2,717	173,182	134
	2019	109,472	122,214	34,156	13,502	51	183,976	139
	2020	97,730	112,600	37,828	10,057	-563	163,008	120
Algeria	2017	36,842	3,452	22,637	*591	-135	17,201	418
	2018	38,309	840	21,052	*648	504	16,945	404
	2019	36,664	1,884	20,079	499	-11	17,981	421
	2020	35,652	1,070	20,250	304	-89	16,258	374
Angola	2017	3,497	3,476	1,944	688	*56	4,285	142
	2018	2,680	3,351	1,747	546	*-755	4,493	144
	2019	3,576	3,175	1,131	565	*1,199	3,856	119
	2020	3,301	1,605	2,327	258	-586	2,907	87
Benin	2017	..	2,054	..	31	-35	2,058	177
	2018	..	2,301	..	30	-12	2,283	191
	2019	..	2,114	..	22	11	2,082	169
	2020	..	2,219	..	16	-5	2,208	175
Botswana	2017	..	951	..	11	..	940	392
	2018	..	975	..	12	..	963	393
	2019	..	988	..	12	..	976	390
	2020	..	882	..	5	..	878	345
Burkina Faso	2017	..	1,183	..	27	*-89	1,245	63
	2018	..	1,495	..	30	*101	1,365	67
	2019	..	1,334	..	30	*-145	1,448	69
	2020	..	1,400	..	18	*-35	1,417	66
Burundi	2017	..	*178	..	4	0	*174	*16
	2018	..	221	..	5	0	216	19
	2019	..	*223	..	5	0	*218	*18
	2020	..	254	..	2	..	252	21
Cabo Verde	2017	..	*296	..	*128	..	*168	*298
	2018	..	*306	..	*121	*6	*179	*313
	2019	..	*311	..	*126	..	*184	*320
	2020	..	*281	..	*111	..	*171	*293
Cameroon	2017	1,313	889	386	17	..	1,799	74
	2018	1,206	945	334	16	..	1,802	72
	2019	640	1,363	189	16	..	1,798	70
	2020	25	1,685	..	7	..	1,703	64
Central African Rep.	2017	..	*87	..	16	..	*71	*14
	2018	..	*90	..	17	..	*73	*14
	2019	..	*92	..	*17	..	*75	*14
	2020	..	*97	..	*18	..	*79	*15
Chad	2017	*656	*3	*73	26	0	*560	*37
	2018	*656	*8	*77	28	..	*559	*36
	2019	*677	*3	*79	25	..	*576	*36
	2020	*657	*2	*75	*23	..	*561	*34
Comoros	2017	..	*89	..	*1	..	*88	*115
	2018	..	*97	..	*2	..	*95	*122
	2019	..	*104	..	*2	..	*102	*130
	2020	..	*126	..	*2	..	*124	*154

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	2017	716	196	343	31	..	539	101
	2018	725	200	348	32	..	545	100
	2019	735	202	352	32	..	553	99
	2020	713	171	255	28	94	507	89
Côte d'Ivoire	2017	*3,070	1,332	*1,097	*241	-17	*3,081	*124
	2018	3,371	1,244	1,491	231	..	2,893	113
	2019	3,717	1,072	1,741	258	..	2,791	107
	2020	3,335	1,177	1,573	147	..	2,792	104
Dem. Rep. of the Congo	2017	..	889	..	117	..	771	9
	2018	..	966	..	134	..	832	10
	2019	..	983	..	121	..	863	10
	2020	..	1,010	..	110	..	900	10
Djibouti	2017	..	220	..	*100	*6	115	110
	2018	..	229	..	*99	*10	120	113
	2019	..	251	..	*120	*10	121	113
	2020	..	220	..	*110	*10	100	91
Egypt	2017	25,118	14,297	1,428	631	35	37,321	367
	2018	27,382	12,572	3,277	713	0	35,964	347
	2019	29,503	10,362	2,775	857	..	36,233	343
	2020	30,888	5,857	8,292	838	..	27,615	257
Equatorial Guinea	2017	660	*305	656	49	-17	278	192
	2018	587	*281	574	44	*-10	260	173
	2019	512	*295	495	42	*-5	275	177
	2020	464	*238	492	31	-50	229	144
Eritrea	2017	..	187	..	19	4	164	48
	2018	..	221	..	35	3	183	53
	2019	..	225	..	31	..	194	55
	2020	..	216	..	20	..	196	55
Eswatini	2017	..	272	..	2	..	271	235
	2018	..	286	..	2	..	284	245
	2019	..	*303	..	2	..	*301	*257
	2020	..	*293	..	*1	..	*293	*248
Ethiopia	2017	..	4,107	..	682	-101	3,526	33
	2018	..	4,441	..	728	-30	3,743	34
	2019	..	4,661	..	730	..	3,931	34
	2020	..	4,452	..	440	..	4,012	34
Gabon	2017	793	281	244	195	..	635	297
	2018	683	315	220	175	..	603	275
	2019	582	321	191	207	..	505	225
	2020	818	265	242	187	..	653	285
Gambia	2017	..	219	*2	*22	..	195	82
	2018	..	233	*2	*19	..	211	86
	2019	..	*254	*2	*20	..	*232	*92
	2020	..	*247	*2	*18	..	*228	*89
Ghana	2017	133	3,539	468	232	-23	2,996	99
	2018	390	3,680	159	185	0	3,726	121
	2019	690	3,545	292	219	-12	3,735	118
	2020	580	3,973	186	126	214	4,028	125
Guinea	2017	..	1,145	..	*32	..	1,114	91
	2018	..	1,291	..	*30	170	1,091	87
	2019	..	1,549	..	*42	167	1,341	104
	2020	..	1,508	..	*26	-47	1,529	116

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	2017	..	*125	..	*13	..	*112	*60
	2018	..	*128	..	*13	..	*116	*60
	2019	..	*131	..	*13	..	*118	*60
	2020	..	*122	..	*13	..	*109	*54
Kenya	2017	0	6,638	1,451	770	0	4,417	90
	2018	..	5,378	26	723	..	4,629	93
	2019	..	5,762	23	718	..	5,021	99
	2020	..	5,767	29	398	..	5,339	103
Lesotho	2017	3	216	..	0	..	220	101
	2018	*3	227	..	0	..	230	105
	2019	*3	237	..	0	..	241	108
	2020	*3	210	..	0	..	213	94
Liberia	2017	..	272	..	*11	..	261	54
	2018	..	113	..	*10	..	103	21
	2019	..	305	..	*10	..	295	59
	2020	..	213	..	*9	..	204	40
Libya	2017	5,176	5,647	1,538	276	..	9,009	1,413
	2018	6,040	5,485	1,948	327	..	9,250	1,428
	2019	4,713	6,373	1,642	340	..	9,104	1,386
	2020	2,076	6,659	654	114	..	7,967	1,197
Madagascar	2017	..	920	..	49	-35	906	35
	2018	..	833	0	47	-91	876	33
	2019	..	1,063	0	50	38	974	35
	2020	..	*919	0	*27	*26	*866	*31
Malawi	2017	..	363	..	*7	*44	312	17
	2018	..	423	..	*8	*44	459	25
	2019	..	433	..	*4	..	430	23
	2020	..	508	..	*1	*40	467	24
Mali	2017	..	*1,497	*10	*62	*-7	*1,432	*74
	2018	..	*1,538	*10	*59	*-4	*1,474	*74
	2019	..	1,770	0	62	0	1,707	83
	2020	..	1,948	*10	61	0	1,877	88
Mauritania	2017	..	1,187	..	20	*54	1,113	267
	2018	..	1,652	..	22	*384	1,245	292
	2019	..	1,758	..	20	*447	1,291	294
	2020	..	1,739	..	12	*342	1,385	308
Mauritius	2017	..	1,649	..	624	108	917	708
	2018	..	1,663	..	738	4	922	711
	2019	..	1,868	62	808	6	992	765
	2020	..	1,261	..	697	-178	742	572
Morocco	2017	..	13,394	..	815	67	12,512	347
	2018	..	13,012	..	871	14	12,126	333
	2019	..	12,906	..	912	-457	12,450	338
	2020	..	11,699	..	416	-64	11,347	305
Mozambique	2017	..	1,654	..	29	..	1,625	57
	2018	..	1,678	..	33	..	1,645	56
	2019	..	1,652	..	35	..	1,617	53
	2020	..	1,389	..	19	..	1,370	44
Namibia	2017	..	1,284	4	37	..	1,243	526
	2018	..	1,257	4	37	..	1,216	505
	2019	..	1,220	4	36	..	1,180	482
	2020	..	1,060	4	11	..	1,045	420

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	2017	814	102	*362	*57	*21	474	22
	2018	763	51	337	*45	*36	397	18
	2019	634	53	101	*46	..	540	23
	2020	645	79	135	*56	..	533	22
Nigeria	2017	4,379	17,451	853	820	-112	20,269	105
	2018	2,389	12,651	246	982	-2,997	16,809	85
	2019	528	21,526	36	803	-1,306	22,522	111
	2020	136	21,369	0	599	-364	21,271	102
Rwanda	2017	..	341	..	*30	*-3	314	26
	2018	..	376	..	*30	*-3	349	28
	2019	..	557	..	*24	*160	372	29
	2020	..	388	..	*16	..	372	28
Sao Tome and Principe	2017	..	50	..	*5	..	46	220
	2018	..	50	..	*5	..	45	213
	2019	..	51	..	*3	..	48	222
	2020	..	*49	..	*4	..	*45	*207
Senegal	2017	1,202	1,633	263	338	-15	2,249	148
	2018	981	2,101	*433	332	*120	2,197	141
	2019	886	2,605	*670	385	-25	2,460	154
	2020	757	1,767	41	371	-14	2,126	129
Seychelles	2017	..	412	..	214	*10	188	1,851
	2018	..	366	..	*169	0	196	1,904
	2019	..	348	..	*154	0	193	1,854
	2020	..	*375	..	*157	*20	*199	*1,882
Sierra Leone	2017	..	362	..	*3	*-1	360	47
	2018	..	348	..	5	*3	340	43
	2019	..	396	..	4	*61	331	41
	2020	..	437	..	2	*96	339	41
Somalia	2017	..	*279	..	71	..	*208	*14
	2018	..	*279	..	71	..	*208	*13
	2019	..	*279	..	71	..	*208	*13
	2020	..	*251	..	*56	..	*195	*12
South Africa	2017	17,918	11,436	3,619	2,903	..	22,832	403
	2018	19,125	10,511	4,516	4,396	..	20,723	361
	2019	21,120	9,480	4,108	4,086	..	22,406	386
	2020	12,803	11,431	2,680	3,682	..	17,873	304
South Sudan	2017	..	477	..	74	..	404	38
	2018	..	571	..	74	..	497	48
	2019	..	580	..	83	..	497	48
	2020	..	529	..	54	..	474	45
St. Helena and Depend.	2017	..	3	..	..	..	3	557
	2018	..	4	..	..	..	4	727
	2019	..	4	..	..	..	4	820
	2020	..	*5	..	..	..	*5	*987
Sudan	2017	3,609	2,396	178	*161	-62	5,728	141
	2018	3,320	2,949	159	*146	-56	6,020	143
	2019	*3,390	3,637	107	*148	..	6,772	157
	2020	*3,331	2,347	38	*114	..	*5,526	*124
Togo	2017	..	420	..	73	-29	376	48
	2018	..	480	..	62	-17	435	54
	2019	..	476	..	58	-10	428	52
	2020	..	479	..	53	-9	436	52

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	2017	971	4,186	430	258	-25	4,494	380
	2018	1,192	4,247	531	294	-54	4,667	391
	2019	243	4,521	76	310	-78	4,456	370
	2020	1,200	3,636	543	108	30	4,155	342
Uganda	2017	..	1,745	..	102	..	1,643	41
	2018	..	1,797	..	108	..	1,689	41
	2019	..	1,840	..	106	..	1,734	40
	2020	..	1,707	..	56	5	1,645	37
United Rep. of Tanzania	2017	..	2,361	..	145	..	2,215	39
	2018	..	2,481	..	136	..	2,344	40
	2019	..	2,623	..	129	..	2,494	42
	2020	..	2,799	..	73	..	2,726	44
Zambia	2017	569	810	1	26	..	1,351	78
	2018	595	637	5	29	..	1,198	67
	2019	658	853	2	29	..	1,480	81
	2020	344	1,178	..	17	..	1,505	80
Zimbabwe	2017	..	1,125	..	49	..	1,076	73
	2018	..	1,406	..	60	..	1,346	89
	2019	..	1,291	..	51	..	1,240	81
	2020	..	1,033	..	18	..	1,014	65
Asia	2017	2,097,478	579,146	599,121	188,127	-2,588	1,891,963	416
	2018	2,155,741	590,105	622,805	190,896	10,346	1,921,800	419
	2019	2,159,174	546,264	575,601	194,461	4,060	1,931,315	417
	2020	2,073,555	516,019	517,474	151,572	26,784	1,893,744	406
Afghanistan	2017	*112	1,959	..	*61	-95	2,105	59
	2018	*176	2,112	..	*54	*-41	2,275	62
	2019	*112	2,426	..	*10	*175	2,353	62
	2020	*46	2,426	..	*12	*-24	2,484	64
Armenia	2017	..	384	0	54	13	316	111
	2018	..	386	0	62	14	310	109
	2019	..	487	1	69	31	386	137
	2020	..	607	2	37	30	538	192
Azerbaijan	2017	5,591	465	1,174	203	50	4,629	460
	2018	5,995	320	1,324	152	171	4,669	460
	2019	6,077	280	1,180	344	38	4,796	469
	2020	5,832	259	1,324	368	59	4,340	422
Bahrain	2017	13,303	*604	11,899	447	-380	1,941	1,332
	2018	13,227	*612	11,540	483	-184	2,000	1,345
	2019	13,386	*626	11,883	508	-346	1,967	1,316
	2020	11,200	*610	10,337	287	-582	1,768	1,196
Bangladesh	2017	1,576	4,664	40	499	..	5,701	35
	2018	1,403	4,575	2	529	-831	6,277	38
	2019	1,593	7,236	2	574	..	8,253	50
	2020	1,240	6,817	..	494	..	7,562	45
Bhutan	2017	..	190	..	*3	..	186	247
	2018	..	217	..	*4	..	213	280
	2019	..	210	..	*4	..	206	269
	2020	..	152	..	*1	..	151	195
Brunei Darussalam	2017	249	440	0	71	11	607	1,411
	2018	337	354	0	81	-6	616	1,419
	2019	1,348	690	835	108	223	871	1,989
	2020	8,155	1,403	7,753	43	261	1,501	3,397

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
Cambodia	2017	..	2,266	..	103	..	2,163	137
	2018	..	2,582	..	152	..	2,430	152
	2019	..	3,209	..	159	..	3,050	188
	2020	..	3,180	..	42	..	3,138	191
China	2017	675,125	61,271	56,633	19,452	-1,874	662,186	470
	2018	711,792	67,525	63,519	20,960	7,336	687,501	485
	2019	763,910	64,029	71,704	21,090	5,108	730,035	513
	2020	808,477	62,969	65,752	15,870	20,997	768,826	540
China, Hong Kong SAR	2017	..	21,375	293	17,578	-397	3,900	523
	2018	..	21,605	224	17,869	-281	3,792	507
	2019	..	20,363	290	15,982	274	3,816	509
	2020	..	15,014	155	10,617	625	3,618	482
China, Macao SAR	2017	..	605	..	66	13	526	823
	2018	..	408	..	64	-8	352	541
	2019	..	348	..	44	-12	316	476
	2020	..	308	..	4	7	297	439
Cyprus	2017	2	2,651	0	553	33	2,067	1,711
	2018	3	2,600	..	580	-22	2,046	1,678
	2019	4	2,600	..	575	0	2,028	1,651
	2020	13	2,265	..	368	35	1,876	1,516
Georgia	2017	24	1,440	*170	95	-11	1,210	321
	2018	22	1,451	105	104	25	1,240	329
	2019	37	1,424	24	103	-22	1,356	360
	2020	37	1,350	17	59	24	1,287	342
India	2017	264,330	49,726	74,501	*5,370	*10	234,175	173
	2018	277,047	41,702	71,763	*5,814	*98	241,074	176
	2019	266,575	43,789	68,920	*5,704	71	235,669	170
	2020	234,490	43,247	59,211	*2,755	*624	215,147	154
Indonesia	2017	40,085	31,571	1,157	1,294	*-644	69,849	264
	2018	40,030	30,990	1,168	1,232	156	68,463	256
	2019	43,494	28,279	1,155	1,135	152	69,332	257
	2020	41,766	22,140	*956	792	-1	62,159	229
Iran (Islamic Rep. of)	2017	100,213	3,536	24,140	2,119	0	77,490	917
	2018	100,651	4,780	24,855	2,225	..	78,351	915
	2019	101,077	4,140	25,989	2,274	..	76,954	889
	2020	94,134	3,723	25,632	1,740	..	70,486	807
Iraq	2017	25,539	4,753	3,658	925	-29	25,738	650
	2018	29,807	4,542	2,112	856	..	31,382	773
	2019	31,311	4,860	5,238	900	..	30,032	723
	2020	27,377	3,830	7,992	540	..	22,674	533
Israel	2017	14,088	4,805	5,745	1,262	2	11,884	1,430
	2018	14,782	4,550	5,952	1,397	13	11,970	1,415
	2019	15,268	4,007	6,127	1,464	-59	11,743	1,364
	2020	12,832	2,507	5,090	806	157	9,286	1,060
Japan	2017	162,278	43,420	17,141	10,827	-302	178,032	1,406
	2018	156,243	42,463	17,177	11,236	-16	170,309	1,349
	2019	152,256	40,874	18,540	11,283	894	162,413	1,291
	2020	126,039	42,478	9,331	7,512	-731	152,404	1,217
Jordan	2017	2,671	2,683	..	140	47	5,167	506
	2018	2,264	2,678	..	62	-33	4,913	470
	2019	2,140	2,859	..	*123	95	4,782	447
	2020	1,786	2,217	..	85	..	3,918	358

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
Kazakhstan	2017	14,857	1,922	4,289	*477	-380	12,393	677
	2018	16,110	1,536	5,511	616	43	11,477	619
	2019	17,462	622	5,092	622	57	12,313	657
	2020	16,496	1,065	4,562	317	1,212	11,470	604
Korea, Dem.Ppl's.Rep.	2017	515	424	..	..	..	939	37
	2018	515	415	..	..	..	930	36
	2019	515	502	..	..	..	1,017	40
	2020	515	463	..	..	..	978	38
Korea, Republic of	2017	164,332	37,113	64,818	14,773	441	121,413	2,357
	2018	169,765	40,413	68,700	14,375	798	126,305	2,444
	2019	169,264	40,002	67,173	13,476	-599	129,217	2,494
	2020	157,931	39,300	59,990	12,623	-283	124,900	2,409
Kuwait	2017	40,994	..	24,849	1,881	-2,992	17,255	4,183
	2018	41,454	..	25,077	1,876	-3,078	17,579	4,072
	2019	38,931	..	23,250	1,869	-1,676	15,488	3,487
	2020	34,541	..	20,877	937	-37	12,764	2,927
Kyrgyzstan	2017	431	1,250	75	19	38	1,549	253
	2018	544	1,653	134	4	23	2,036	327
	2019	318	1,243	136	*5	-44	1,464	232
	2020	162	1,308	108	*2	155	1,205	188
Lao People's Dem. Rep.	2017	..	1,084	..	36	..	1,048	150
	2018	..	1,140	..	58	..	1,082	152
	2019	..	*1,128	..	*36	..	*1,092	*151
	2020	..	*1,105	..	*36	..	*1,070	*146
Lebanon	2017	..	8,528	..	*300	..	8,228	1,347
	2018	..	8,055	..	*294	..	7,761	1,304
	2019	..	8,050	..	*300	..	7,749	1,340
	2020	..	*7,686	..	*288	*575	*6,823	*1,205
Malaysia	2017	29,080	12,835	10,861	2,885	-3	28,172	881
	2018	27,008	19,084	15,714	2,838	424	27,116	837
	2019	25,362	15,424	12,052	3,058	*-1,077	26,754	816
	2020	24,499	17,485	12,239	1,007	*-459	29,197	879
Maldives	2017	..	567	..	*72	..	496	1,049
	2018	..	645	..	*78	..	567	1,157
	2019	..	724	..	*86	..	638	1,264
	2020	..	611	..	*72	..	539	1,048
Mongolia	2017	..	1,252	..	27	..	1,225	396
	2018	..	1,328	..	37	..	1,291	408
	2019	..	1,672	..	*40	..	1,632	505
	2020	..	1,635	..	*16	..	1,619	492
Myanmar	2017	418	3,858	..	71	-28	4,233	81
	2018	264	6,407	..	71	-114	6,714	127
	2019	218	6,612	..	73	..	6,757	127
	2020	242	5,859	..	16	..	6,085	114
Nepal	2017	..	2,267	..	127	..	2,140	76
	2018	..	2,547	..	124	..	2,423	85
	2019	..	2,359	..	90	..	2,269	79
	2020	..	2,529	..	46	..	2,483	85
Oman	2017	9,863	342	2,008	581	4	7,612	1,676
	2018	12,381	287	4,536	461	0	7,671	1,667
	2019	12,313	294	4,458	702	0	7,447	1,618
	2020	10,667	301	3,989	*355	..	6,624	1,458

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
Other Asia	2017	44,478	17,249	16,494	4,046	-315	41,501	1,754
	2018	46,816	16,278	17,721	4,071	226	41,076	1,731
	2019	46,367	14,275	18,682	4,293	-360	38,027	1,599
	2020	38,988	14,370	12,248	3,051	101	37,958	1,593
Pakistan	2017	14,322	15,497	345	*295	*-81	29,259	135
	2018	14,036	10,395	291	*250	-5	23,896	109
	2019	12,538	11,925	156	*280	..	24,027	108
	2020	10,462	9,701	311	282	-755	20,324	89
Philippines	2017	9,847	12,172	1,550	1,702	174	18,594	174
	2018	11,110	12,085	1,757	1,733	390	19,315	178
	2019	7,735	13,650	1,045	1,696	45	18,599	168
	2020	4,525	12,653	1,113	680	-499	15,884	142
Qatar	2017	26,530	115	20,810	3,294	-353	2,894	1,067
	2018	27,397	222	21,595	4,332	291	1,401	506
	2019	25,085	232	17,509	4,603	0	3,205	1,142
	2020	24,246	215	16,837	3,075	757	3,793	1,374
Saudi Arabia	2017	188,599	25,148	87,061	6,395	-611	120,902	3,536
	2018	185,152	42,445	97,360	6,964	451	122,823	3,507
	2019	151,057	*17,895	*57,831	*6,122	*-900	105,898	2,956
	2020	138,027	18,588	54,784	6,333	625	94,872	2,636
Singapore	2017	53,684	120,431	99,992	58,173	592	15,359	2,664
	2018	49,002	108,955	90,103	57,943	-557	10,468	1,800
	2019	50,315	99,058	85,697	55,357	-315	8,635	1,472
	2020	42,417	94,362	70,657	51,786	222	14,114	2,388
Sri Lanka	2017	1,642	3,945	0	1,149	-822	5,259	245
	2018	1,629	3,793	91	1,152	-98	4,277	198
	2019	1,825	3,822	37	1,103	-70	4,577	211
	2020	1,669	3,140	165	548	-8	4,104	189
State of Palestine	2017	..	1,090	0	..	..	1,090	232
	2018	..	1,001	0	..	0	1,001	208
	2019	..	1,099	0	..	..	1,099	224
	2020	..	1,113	0	..	..	1,113	222
Syrian Arab Republic	2017	6,494	721	621	270	..	6,324	333
	2018	8,172	871	781	276	..	7,986	413
	2019	7,038	594	681	282	..	6,669	332
	2020	6,441	533	620	268	..	6,087	293
Tajikistan	2017	23	784	..	18	..	789	88
	2018	46	935	..	29	..	953	104
	2019	30	986	..	40	..	977	105
	2020	16	1,105	..	24	..	1,097	115
Thailand	2017	67,061	6,547	12,007	5,719	3,585	52,297	738
	2018	68,459	6,598	13,016	6,170	3,770	52,101	732
	2019	63,260	8,924	10,162	6,085	2,620	53,317	748
	2020	62,717	7,184	11,057	2,728	3,348	52,766	738
Timor-Leste	2017	..	187	..	*4	..	184	148
	2018	..	176	..	*3	..	172	137
	2019	..	213	..	*3	..	210	164
	2020	..	203	..	*3	..	200	154
Türkiye	2017	34,042	26,417	6,760	4,320	299	49,080	598
	2018	30,160	27,480	5,004	4,633	739	47,264	571
	2019	38,348	20,804	8,491	5,202	-264	45,723	548
	2020	36,101	18,102	7,595	2,366	-187	44,429	528

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
Turkmenistan	2017	9,187	..	2,554	349	..	6,284	1,053
	2018	9,232	..	2,554	371	..	6,306	1,040
	2019	9,261	..	2,554	301	..	6,406	1,040
	2020	9,032	..	2,554	160	..	6,318	1,011
United Arab Emirates	2017	65,315	17,487	45,140	17,906	1,293	18,463	2,036
	2018	66,143	19,772	50,079	15,672	*-38	20,203	2,210
	2019	64,509	24,926	45,747	23,919	*-44	19,813	2,151
	2020	60,298	23,378	40,922	20,915	*-42	21,881	2,356
Uzbekistan	2017	3,609	*876	*42	*73	9	4,362	137
	2018	3,847	163	6	*90	114	3,800	117
	2019	3,611	430	53	*133	-64	3,919	119
	2020	3,368	964	57	*111	-60	4,224	126
Viet Nam	2017	6,439	18,259	2,211	1,942	116	20,429	217
	2018	10,682	17,448	2,497	2,357	576	22,700	239
	2019	13,206	14,608	2,411	2,128	127	23,148	242
	2020	15,260	12,124	2,889	1,000	636	22,859	237
Yemen	2017	531	1,974	82	102	..	2,321	77
	2018	2,040	1,524	538	102	..	2,923	95
	2019	2,018	1,454	498	104	..	2,870	91
	2020	1,509	1,436	346	95	..	2,504	78
Europe	2017	1,016,149	414,035	529,861	124,264	-6,808	782,868	1,048
	2018	1,012,186	411,821	517,744	122,447	-3,048	786,864	1,052
	2019	1,008,834	407,477	529,322	113,440	4,207	769,341	1,028
	2020	910,998	358,951	459,033	80,407	7,168	723,341	966
Albania	2017	591	1,142	155	42	170	1,366	474
	2018	416	1,075	145	37	84	1,225	426
	2019	453	1,135	184	40	71	1,294	450
	2020	231	1,104	103	47	70	1,115	389
Andorra	2017	..	153	..	0	..	153	2,077
	2018	..	162	..	0	..	162	2,157
	2019	..	158	..	0	..	158	2,069
	2020	..	121	..	0	..	121	1,562
Austria	2017	8,790	6,987	2,758	730	-67	12,355	1,404
	2018	9,460	6,673	3,183	816	-90	12,224	1,383
	2019	9,841	6,734	2,944	937	12	12,682	1,428
	2020	8,705	6,234	2,879	307	298	11,456	1,286
Belarus	2017	18,588	1,756	12,973	126	236	7,009	722
	2018	18,880	1,238	11,890	144	175	7,909	816
	2019	17,741	140	10,752	186	105	6,838	707
	2020	16,206	86	8,943	106	177	7,066	733
Belgium	2017	37,249	28,739	33,809	9,308	-893	23,765	2,088
	2018	35,703	31,678	32,560	11,264	239	23,318	2,037
	2019	36,720	28,403	32,364	10,155	512	22,092	1,919
	2020	29,390	25,523	26,672	7,656	556	20,029	1,732
Bosnia and Herzegovina	2017	862	1,092	272	10	27	1,645	478
	2018	704	1,132	242	7	-36	1,623	477
	2019	74	1,554	42	9	-37	1,614	480
	2020	13	1,519	11	4	-3	1,520	458
Bulgaria	2017	7,343	2,659	4,800	312	7	4,884	680
	2018	6,390	2,169	3,537	331	-168	4,858	683
	2019	7,185	2,250	4,268	312	-25	4,879	692
	2020	5,268	2,267	2,849	220	-71	4,537	650

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
Croatia	2017	3,924	2,316	2,484	147	-51	3,659	873
	2018	3,994	2,189	2,426	196	90	3,472	834
	2019	2,982	2,808	2,167	215	5	3,404	824
	2020	2,652	2,456	1,773	72	-80	3,343	816
Czechia	2017	8,654	3,855	2,430	343	-84	9,820	932
	2018	8,273	4,402	2,265	396	150	9,864	936
	2019	8,522	4,043	2,286	405	-36	9,910	941
	2020	6,941	4,214	1,854	110	17	9,174	871
Denmark	2017	9,019	5,638	6,747	1,470	-996	7,436	1,296
	2018	9,353	6,089	6,615	1,578	-476	7,726	1,340
	2019	8,908	7,211	6,528	1,750	775	7,065	1,219
	2020	8,493	7,207	7,112	879	708	7,000	1,202
Estonia	2017	..	1,889	419	377	79	1,014	770
	2018	..	2,059	682	365	-64	1,076	814
	2019	..	1,862	508	236	60	1,059	798
	2020	..	2,232	808	304	79	1,041	783
Faeroe Islands	2017	..	*267	..	37	..	*230	*4,572
	2018	..	*275	..	39	..	*236	*4,632
	2019	..	*286	..	45	..	*241	*4,665
	2020	..	*301	..	53	..	*248	*4,723
Finland	2017	15,357	5,145	9,000	1,016	-176	10,662	1,936
	2018	15,516	4,813	8,807	1,086	-118	10,554	1,914
	2019	15,556	5,201	9,490	1,155	-253	10,365	1,877
	2020	14,356	5,420	8,732	588	261	10,195	1,844
France	2017	64,985	41,242	20,215	7,357	-42	78,697	1,185
	2018	60,773	42,347	19,969	7,784	-91	75,458	1,133
	2019	56,056	44,925	17,170	7,815	-126	76,122	1,141
	2020	41,366	43,426	12,876	3,559	-29	68,386	1,023
Germany	2017	111,005	41,065	23,497	11,639	-528	117,462	1,422
	2018	105,695	40,337	22,641	11,326	-494	112,559	1,358
	2019	107,107	42,136	22,050	10,906	280	116,007	1,395
	2020	102,675	34,834	22,345	5,795	-429	109,798	1,318
Gibraltar	2017	..	4,514	..	4,279	..	235	7,221
	2018	..	4,428	..	4,178	..	250	7,652
	2019	..	4,528	..	4,280	..	248	7,580
	2020	..	4,544	..	4,344	..	200	6,103
Greece	2017	31,961	9,633	18,961	3,172	252	19,209	1,797
	2018	32,968	9,627	19,975	3,326	-76	19,370	1,822
	2019	30,375	9,595	18,100	3,711	-197	18,356	1,736
	2020	29,066	8,354	18,720	2,026	289	16,385	1,559
Hungary	2017	7,609	3,793	3,083	216	18	8,085	826
	2018	8,198	4,133	3,554	267	-61	8,571	877
	2019	7,905	4,352	3,280	270	29	8,678	888
	2020	7,820	3,512	2,900	98	37	8,297	851
Iceland	2017	13	963	..	431	-5	551	1,603
	2018	15	1,111	..	484	70	572	1,622
	2019	12	881	..	368	-46	570	1,581
	2020	4	625	..	107	-23	544	1,483
Ireland	2017	3,309	5,927	1,857	1,116	126	6,137	1,286
	2018	3,179	5,973	1,693	1,210	-110	6,358	1,315
	2019	2,863	6,307	1,494	1,192	-107	6,591	1,346
	2020	3,034	5,062	1,519	526	119	5,932	1,199

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
Italy	2017	77,925	18,185	31,042	5,719	-108	59,457	990
	2018	75,196	19,149	28,974	6,549	45	58,777	981
	2019	76,671	17,155	27,527	6,607	348	59,343	993
	2020	63,420	14,954	23,152	3,971	477	50,774	853
Kosovo	2017	..	760	3	6	..	751	434
	2018	..	764	12	3	..	749	438
	2019	..	801	15	2	..	783	464
	2020	..	775	8	2	..	765	458
Latvia	2017	16	2,541	750	398	15	1,395	714
	2018	47	2,433	868	186	-21	1,446	747
	2019	44	2,285	479	442	11	1,397	729
	2020	60	1,978	288	260	114	1,376	725
Lithuania	2017	10,095	1,336	8,216	281	-103	3,037	1,045
	2018	9,894	1,092	7,532	328	34	3,093	1,075
	2019	9,718	1,096	7,464	318	-42	3,072	1,078
	2020	8,045	1,046	5,764	238	130	2,958	1,049
Luxembourg	2017	..	2,852	25	558	-7	2,277	3,818
	2018	..	3,001	3	596	-8	2,409	3,963
	2019	..	3,067	5	583	11	2,467	3,980
	2020	..	2,518	3	531	1	1,983	3,146
Malta	2017	8	2,928	152	2,346	106	332	692
	2018	10	3,014	354	2,436	-66	300	610
	2019	11	3,135	383	2,500	-66	329	652
	2020	14	2,776	195	2,316	-17	296	575
Montenegro	2017	..	400	33	20	9	338	534
	2018	..	414	29	26	-3	362	574
	2019	..	416	31	21	-14	378	599
	2020	..	321	11	5	-16	322	511
Netherlands	2017	63,870	90,598	111,473	15,645	-1,865	29,214	1,698
	2018	65,455	87,696	109,511	15,234	-1,001	29,407	1,701
	2019	66,413	83,812	105,304	15,326	1,326	28,269	1,628
	2020	60,355	73,127	90,989	14,070	1,556	26,868	1,541
North Macedonia	2017	0	1,117	99	..	-4	1,022	484
	2018	..	1,096	124	..	-8	979	463
	2019	..	1,251	159	..	20	1,072	507
	2020	..	1,150	103	..	34	1,012	480
Norway	2017	26,425	6,038	19,092	792	-205	12,784	2,422
	2018	26,155	5,749	19,393	854	189	11,468	2,159
	2019	23,705	5,920	18,566	807	-150	10,402	1,945
	2020	21,943	5,912	16,844	415	158	10,437	1,940
Poland	2017	28,105	9,763	5,195	1,092	324	31,256	811
	2018	29,896	9,263	5,915	1,247	142	31,855	827
	2019	30,207	8,799	5,242	1,320	124	32,319	840
	2020	28,844	7,924	4,606	743	24	31,395	817
Portugal	2017	15,994	3,757	6,915	2,050	-49	10,834	1,051
	2018	14,589	3,781	5,290	2,164	336	10,579	1,028
	2019	13,243	4,875	4,802	2,405	-250	11,161	1,085
	2020	12,386	3,629	5,245	1,217	-51	9,603	932
Republic of Moldova	2017	15	937	35	47	-9	879	276
	2018	10	1,014	27	54	0	943	300
	2019	5	1,016	9	48	8	956	308
	2020	7	957	10	17	11	927	300

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
Romania	2017	12,878	3,228	4,970	319	1	10,815	549
	2018	13,021	3,257	5,283	137	-151	11,009	561
	2019	13,838	3,280	5,393	164	-58	11,618	595
	2020	12,291	3,515	4,298	83	86	11,339	583
Russian Federation	2017	281,548	1,266	*120,834	22,521	82	139,377	958
	2018	285,776	1,187	*120,131	*17,258	292	149,282	1,025
	2019	297,661	1,365	154,398	8,060	176	136,392	936
	2020	280,926	1,531	123,994	11,451	158	146,855	1,008
Serbia	2017	3,787	1,087	855	142	44	3,832	513
	2018	4,013	1,002	924	152	54	3,885	523
	2019	3,634	1,217	789	154	-66	3,973	537
	2020	3,771	957	887	93	9	3,739	508
Slovakia	2017	6,560	1,972	3,895	39	-62	4,660	857
	2018	6,348	1,944	3,540	46	47	4,659	855
	2019	5,989	1,856	3,350	44	18	4,433	813
	2020	6,454	1,616	3,621	28	-4	4,425	811
Slovenia	2017	24	4,720	2,080	183	81	2,399	1,143
	2018	74	4,752	2,112	263	-19	2,470	1,173
	2019	102	4,882	2,306	220	36	2,422	1,146
	2020	96	4,029	1,919	129	-11	2,088	986
Spain	2017	67,341	23,204	27,578	11,191	-1,296	53,072	1,139
	2018	69,593	20,871	25,500	11,706	-347	53,605	1,146
	2019	67,167	21,186	23,865	11,950	408	52,130	1,106
	2020	57,281	18,874	22,915	7,925	-30	45,345	957
Sweden	2017	22,317	10,014	17,884	3,231	-1,574	12,790	1,272
	2018	23,066	9,118	17,096	2,703	-793	13,179	1,297
	2019	19,334	8,461	11,609	2,916	668	12,602	1,227
	2020	21,067	8,437	13,215	2,894	1,927	11,469	1,106
Switzerland	2017	3,038	7,717	384	1,714	-129	8,786	1,040
	2018	3,272	6,907	441	1,798	-428	8,369	983
	2019	2,982	8,175	460	1,815	192	8,690	1,013
	2020	3,086	6,353	461	667	202	8,108	939
Ukraine	2017	3,121	9,751	308	263	-317	12,618	283
	2018	4,064	10,542	322	..	-68	14,352	323
	2019	*2,976	10,711	817	..	-106	12,976	293
	2020	*2,770	10,482	267	33	8	12,944	295
United Kingdom	2017	63,825	41,088	24,583	13,579	184	66,568	1,008
	2018	62,192	41,866	24,180	13,872	-297	66,304	998
	2019	62,835	38,208	22,722	13,748	591	63,982	958
	2020	51,962	27,051	20,143	6,517	427	51,926	774
Latin America & Carib.	2017	296,438	164,071	54,776	25,958	290	379,486	598
	2018	274,494	162,554	54,969	26,215	-305	356,168	556
	2019	257,476	163,188	40,261	27,865	-1,952	354,491	549
	2020	236,562	137,485	43,569	19,067	-228	311,638	479
Anguilla	2017	..	46	..	*10	*-6	42	2,791
	2018	..	41	..	*10	*-12	43	2,832
	2019	..	55	..	*12	*-4	47	3,056
	2020	..	43	..	*7	*-9	45	2,855
Antigua and Barbuda	2017	..	*318	*4	*113	..	*201	*2,206
	2018	..	*329	*4	*119	..	*206	*2,245
	2019	..	*339	*4	*122	..	*213	*2,316
	2020	..	*326	*3	*117	..	*206	*2,224

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
Argentina	2017	30,390	3,709	1,831	1,784	105	30,379	690
	2018	28,811	3,917	3,198	1,618	-50	27,962	630
	2019	29,178	2,987	3,586	1,339	-239	27,479	614
	2020	27,656	1,868	2,714	1,217	-288	25,880	575
Aruba	2017	..	*390	..	*99	..	*291	*2,755
	2018	..	385	..	*100	..	284	2,684
	2019	..	*386	..	*95	..	*292	*2,740
	2020	..	*382	..	*90	..	*291	*2,735
Bahamas	2017	..	1,143	*1	*380	*-63	826	2,070
	2018	..	1,241	..	*410	*35	796	1,979
	2019	..	1,263	..	*432	*25	805	1,991
	2020	..	1,025	..	*408	*-100	717	1,764
Barbados	2017	..	492	..	..	13	479	1,715
	2018	..	477	..	..	-5	482	1,722
	2019	..	478	..	..	-10	488	1,742
	2020	..	370	..	..	8	363	1,293
Belize	2017	1	202	..	15	..	188	503
	2018	1	200	..	14	..	187	489
	2019	1	249	..	25	..	225	579
	2020	1	206	..	24	..	183	463
Bolivia (Plur. State of)	2017	2,839	1,185	298	62	10	3,655	320
	2018	2,745	1,381	283	64	2	3,778	325
	2019	2,489	1,748	198	64	20	3,954	336
	2020	2,397	1,008	138	26	8	3,233	271
Bonaire, St Eustatius, Saba	2017	..	*102	..	*54	*11	*37	*1,508
	2018	..	*84	..	*53	*-4	*35	*1,401
	2019	..	*87	..	*53	*-5	*38	*1,485
	2020	..	*75	..	*37	0	*39	*1,491
Brazil	2017	109,396	28,215	5,908	5,578	298	125,827	603
	2018	107,133	25,559	8,545	5,360	-420	119,207	567
	2019	107,105	28,073	8,560	5,762	545	120,311	568
	2020	110,780	23,020	13,833	4,812	64	115,091	540
British Virgin Islands	2017	..	*59	..	..	..	*59	*1,966
	2018	..	*52	..	..	..	*52	*1,708
	2019	..	*53	..	..	..	*53	*1,735
	2020	..	*53	..	..	..	*53	*1,698
Cayman Islands	2017	..	229	..	38	..	191	3,006
	2018	..	238	..	37	..	202	3,106
	2019	..	261	..	34	..	228	3,443
	2020	..	227	..	15	..	212	3,152
Chile	2017	9,648	7,826	521	721	146	16,087	876
	2018	9,727	8,130	811	772	52	16,222	867
	2019	10,245	7,542	536	823	217	16,210	851
	2020	8,507	7,772	612	418	-51	15,299	793
Colombia	2017	18,701	9,322	5,432	..	..	22,591	467
	2018	19,742	5,947	5,441	..	..	20,248	411
	2019	20,100	5,209	5,414	1,455	-579	19,018	379
	2020	16,379	3,784	5,728	708	22	13,705	269
Costa Rica	2017	..	2,812	0	187	69	2,556	512
	2018	..	2,689	0	209	-87	2,566	509
	2019	..	2,781	0	224	90	2,468	485
	2020	..	2,220	0	97	-49	2,172	424

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
Cuba	2017	2,632	3,423	*788	*628	..	4,638	409
	2018	2,751	3,030	*727	*509	..	4,545	401
	2019	1,789	2,873	*514	*494	..	3,653	323
	2020	2,185	3,123	*564	*379	..	4,365	386
Curaçao	2017	4,331	3,311	3,832	2,167	..	1,643	9,578
	2018	3,087	3,162	2,819	2,120	..	1,309	7,089
	2019	0	2,903	0	2,048	..	855	4,426
	2020	..	2,340	..	1,648	..	692	3,654
Dominica	2017	..	*52	..	*2	0	*51	*725
	2018	..	*55	..	*2	*-1	*54	*765
	2019	..	*58	..	*2	*-1	*57	*797
	2020	..	*53	..	*2	0	*52	*720
Dominican Republic	2017	899	5,175	..	539	30	5,505	517
	2018	1,208	5,387	..	544	-20	6,072	564
	2019	1,156	6,084	..	457	-20	6,802	625
	2020	462	4,969	..	204	-19	5,247	477
Ecuador	2017	7,993	5,619	3,196	633	-24	9,807	587
	2018	8,382	6,137	3,138	977	14	10,391	611
	2019	7,402	6,703	2,996	832	26	10,251	591
	2020	6,151	5,773	2,933	286	7	8,697	494
El Salvador	2017	..	2,040	25	165	..	1,850	295
	2018	..	2,110	17	174	..	1,919	306
	2019	..	2,517	7	183	..	2,327	370
	2020	..	2,121	8	68	..	2,046	325
Falkland Is. (Malvinas)	2017	..	11	..	..	0	11	2,984
	2018	..	11	..	..	0	11	3,031
	2019	..	12	..	..	0	12	3,112
	2020	..	12	..	..	0	12	3,214
Grenada	2017	..	102	..	7	5	90	747
	2018	..	107	..	8	-2	101	828
	2019	..	119	..	9	1	109	887
	2020	..	103	..	8	1	94	760
Guatemala	2017	85	4,644	301	509	0	3,919	236
	2018	147	4,727	255	528	-86	4,177	248
	2019	203	5,270	247	524	115	4,586	268
	2020	175	4,768	223	438	-40	4,322	249
Guyana	2017	..	721	..	18	-6	709	929
	2018	..	778	..	17	-4	765	973
	2019	..	874	5	17	*7	845	1,058
	2020	..	873	31	5	16	821	1,030
Haiti	2017	..	1,018	..	22	..	996	92
	2018	..	1,114	..	22	..	1,091	99
	2019	..	1,003	..	22	..	981	88
	2020	..	842	..	22	..	821	73
Honduras	2017	..	3,431	0	..	389	3,042	316
	2018	..	3,462	428	..	90	2,943	301
	2019	..	3,843	444	..	-22	3,421	344
	2020	..	3,332	416	..	12	2,903	287
Jamaica	2017	1,048	1,755	304	223	49	2,227	793
	2018	1,032	1,893	289	254	-21	2,403	855
	2019	1,240	1,480	312	272	-4	2,140	760
	2020	1,099	1,133	588	139	0	1,505	534

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
Mexico	2017	50,322	49,222	7,997	4,518	-50	87,079	709
	2018	38,598	52,052	7,304	4,612	320	78,414	632
	2019	37,111	51,531	5,929	4,742	-1,491	79,462	635
	2020	36,715	42,339	7,498	1,980	657	68,919	547
Montserrat	2017	..	10	..	*1	0	8	1,798
	2018	..	11	..	*1	..	10	2,206
	2019	..	9	..	*1	..	8	1,782
	2020	..	9	..	*1	..	8	1,750
Nicaragua	2017	692	1,054	28	25	-13	1,706	263
	2018	639	1,026	29	16	15	1,605	244
	2019	518	1,226	40	16	64	1,625	244
	2020	516	1,034	78	5	-1	1,468	217
Panama	2017	..	8,049	0	4,961	-253	3,341	816
	2018	..	7,763	0	4,855	-34	2,943	706
	2019	..	8,398	1	5,506	-14	2,904	686
	2020	..	6,453	0	4,631	-349	2,171	506
Paraguay	2017	223	2,494	..	60	-119	2,776	437
	2018	244	2,787	..	72	20	2,939	456
	2019	287	2,679	..	71	2	2,893	443
	2020	241	2,435	..	25	43	2,607	394
Peru	2017	11,733	5,421	5,941	678	-446	10,981	347
	2018	11,097	5,491	4,576	1,151	-245	11,106	345
	2019	10,693	5,129	3,597	1,116	-531	11,639	355
	2020	7,654	5,081	2,237	486	-202	10,213	307
Sint Maarten (Dutch part)	2017	..	*507	..	*240	..	*267	*6,375
	2018	..	*491	..	*232	..	*259	*6,138
	2019	..	*495	..	*234	..	*261	*6,063
	2020	..	*467	..	*218	..	*249	*5,710
St. Kitts-Nevis	2017	..	*84	..	*5	..	*79	*1,658
	2018	..	*85	..	*5	..	*80	*1,680
	2019	..	*87	..	*5	..	*82	*1,710
	2020	..	*81	..	*5	..	*76	*1,602
St. Lucia	2017	..	196	..	33	..	163	920
	2018	..	200	..	33	..	168	943
	2019	..	198	..	*33	..	165	926
	2020	..	*189	..	*28	..	*161	*897
St. Vincent-Grenadines	2017	..	60	..	0	*-11	70	667
	2018	..	85	..	0	*5	80	758
	2019	..	65	..	0	*-9	74	708
	2020	..	72	..	0	*-9	81	772
Suriname	2017	685	275	*322	84	..	554	944
	2018	671	183	*350	*78	1	425	716
	2019	637	291	*279	*77	0	571	952
	2020	618	295	*194	*69	1	650	1,071
Trinidad and Tobago	2017	7,340	2	5,138	743	210	1,252	847
	2018	5,874	..	4,153	601	131	988	657
	2019	843	2,072	1,476	231	-31	1,239	815
	2020	710	1,895	1,324	160	13	1,109	731
Turks and Caicos Islands	2017	..	*141	..	*24	..	*117	*2,936
	2018	..	*144	..	*25	..	*119	*2,878
	2019	..	*145	..	*25	..	*121	*2,799
	2020	..	*143	..	*24	..	*119	*2,679

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
Uruguay	2017	658	1,523	1	201	-52	2,029	593
	2018	2,168	202	1	248	-1	2,122	619
	2019	2,096	182	7	254	-107	2,124	620
	2020	1,949	340	7	140	40	2,102	613
Venezuela (Bolivar. Rep.)	2017	36,823	7,682	12,907	431	0	31,166	1,020
	2018	30,437	9,392	12,601	368	..	26,860	901
	2019	24,384	5,432	6,108	252	..	23,456	810
	2020	12,368	4,830	4,440	118	..	12,640	444
Northern America	2017	1,063,056	114,475	243,774	48,199	-3,980	889,537	2,427
	2018	1,090,847	118,157	254,192	45,674	-1,000	910,138	2,464
	2019	1,099,472	126,605	252,690	48,710	250	924,426	2,485
	2020	973,216	107,698	235,814	31,665	-1,403	814,838	2,179
Bermuda	2017	..	248	..	*26	*13	209	3,307
	2018	..	256	..	*27	*2	227	3,578
	2019	..	215	..	*25	*-4	194	3,047
	2020	..	170	..	*21	..	149	2,330
Canada	2017	95,934	11,700	23,589	983	334	82,728	2,263
	2018	92,976	13,613	21,777	1,301	303	83,208	2,247
	2019	111,968	15,446	25,904	1,384	-278	100,403	2,676
	2020	101,086	9,501	22,831	793	56	86,907	2,294
Greenland	2017	..	196	..	19	7	170	3,040
	2018	..	188	..	21	*-11	178	3,185
	2019	..	204	..	20	*4	181	3,228
	2020	..	199	..	20	*-1	180	3,205
St. Pierre-Miquelon	2017	..	*28	..	*6	..	*21	*3,576
	2018	..	*25	..	*5	..	*20	*3,297
	2019	..	*27	..	*5	..	*21	*3,595
	2020	..	*23	..	*3	..	*20	*3,403
United States	2017	967,122	102,303	220,185	47,165	-4,333	806,409	2,445
	2018	997,871	104,075	232,415	44,320	-1,294	826,505	2,488
	2019	987,504	110,713	226,786	47,276	528	823,626	2,464
	2020	872,130	97,804	212,983	30,828	-1,459	727,582	2,166
Oceania	2017	29,731	34,783	3,602	6,513	-404	54,803	1,311
	2018	30,353	37,654	3,628	6,867	1,378	56,134	1,320
	2019	33,229	37,084	4,054	7,350	245	58,664	1,356
	2020	30,556	36,699	4,979	5,196	-513	57,593	1,311
American Samoa	2017	..	*113	..	*14	..	*99	*1,991
	2018	..	*112	..	*14	..	*98	*2,032
	2019	..	*112	..	*14	..	*98	*2,079
	2020	..	*112	..	*14	..	*98	*2,127
Australia	2017	22,825	28,227	2,635	4,764	-288	43,940	1,787
	2018	23,668	30,129	2,733	5,022	1,010	45,033	1,803
	2019	25,936	29,888	3,125	5,503	315	46,880	1,849
	2020	24,397	30,098	4,156	4,315	-652	46,677	1,818
Cook Islands	2017	..	*35	..	*9	..	*26	*1,508
	2018	..	*35	..	*9	..	*26	*1,520
	2019	..	*36	..	*9	..	*27	*1,556
	2020	..	*29	..	*7	..	*21	*1,239
Fiji	2017	..	801	296	*86	*-14	433	471
	2018	..	*899	*330	*96	*25	*449	*488
	2019	..	*887	*337	*91	*10	*450	*490
	2020	..	*535	*169	*33	..	*333	*361

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
French Polynesia	2017	..	287	..	..	2	285	966
	2018	..	298	..	..	*10	288	967
	2019	..	295	..	..	6	289	965
	2020	..	278	..	..	-1	279	924
Kiribati	2017	..	24	..	*1	..	23	192
	2018	..	*24	..	*1	..	*23	*190
	2019	..	*24	..	*1	..	*23	*188
	2020	..	*24	..	*1	..	*23	*182
Marshall Islands	2017	..	*50	..	*2	..	*48	*1,008
	2018	..	*50	..	*2	..	*48	*1,046
	2019	..	*50	..	*2	..	*48	*1,078
	2020	..	*50	..	*2	..	*48	*1,096
Micronesia (Fed. States of)	2017	..	*59	..	*10	..	*49	*443
	2018	..	*59	..	*10	..	*49	*444
	2019	..	*59	..	*10	..	*49	*443
	2020	..	*59	..	*10	..	*49	*436
Nauru	2017	..	*26	..	*8	..	*18	*1,562
	2018	..	*25	..	*8	..	*18	*1,474
	2019	..	*25	..	*8	..	*17	*1,422
	2020	..	*24	..	*7	..	*17	*1,415
New Caledonia	2017	..	927	..	33	40	854	3,004
	2018	..	951	..	39	-12	924	3,243
	2019	..	908	..	36	5	867	3,039
	2020	..	846	..	20	33	794	2,771
New Zealand	2017	5,528	2,658	236	1,444	-169	6,675	1,406
	2018	5,518	3,122	205	1,528	336	6,571	1,358
	2019	6,224	2,764	128	1,543	-76	7,393	1,491
	2020	4,807	2,988	..	672	153	6,969	1,377
Niue	2017	..	*2	..	0	..	*2	*983
	2018	..	*2	..	0	..	*2	*1,010
	2019	..	*3	..	0	..	*2	*1,072
	2020	..	*3	..	0	..	*2	*1,054
Northern Mariana Islands	2017	..	*206	..	*26	..	*180	*3,548
	2018	..	*199	..	*23	..	*176	*3,499
	2019	..	*200	..	*23	..	*177	*3,550
	2020	..	*139	..	*13	..	*126	*2,541
Palau	2017	..	*77	..	*6	..	*71	*3,986
	2018	..	*77	..	*7	..	*71	*3,952
	2019	..	*79	..	*7	..	*72	*4,041
	2020	..	*76	..	*6	..	*70	*3,867
Papua New Guinea	2017	1,378	955	434	*67	11	1,821	200
	2018	1,167	1,332	360	66	8	2,066	221
	2019	1,069	1,406	463	*63	-13	1,962	206
	2020	1,352	1,108	653	*66	-28	1,769	181
Samoa	2017	..	102	*1	*12	*6	83	402
	2018	..	95	*1	*12	0	81	387
	2019	..	110	*1	*12	*6	91	429
	2020	..	*84	0	*5	*-3	*81	*379
Solomon Islands	2017	..	*105	..	*9	..	*96	*149
	2018	..	*107	..	*9	..	*97	*148
	2019	..	*108	..	*9	..	*99	*146
	2020	..	*105	..	*8	..	*97	*141

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
Tonga	2017	..	55	..	*5	*7	43	412
	2018	..	49	..	*4	*1	44	419
	2019	..	44	..	*1	*-9	52	496
	2020	..	45	..	0	*-16	61	578
Tuvalu	2017	..	*3	..	0	..	*3	*256
	2018	..	*3	..	0	..	*3	*288
	2019	..	*3	..	0	..	*3	*286
	2020	..	*3	..	0	..	*3	*271
Vanuatu	2017	..	62	..	*15	..	46	160
	2018	..	74	..	*16	..	58	195
	2019	..	71	..	*17	..	54	179
	2020	..	83	..	*16	..	67	216
Wallis and Futuna Is.	2017	..	9	..	1	..	8	673
	2018	..	9	..	1	..	8	692
	2019	..	10	..	1	..	8	721
	2020	..	10	..	1	..	9	770

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, 1990-2020

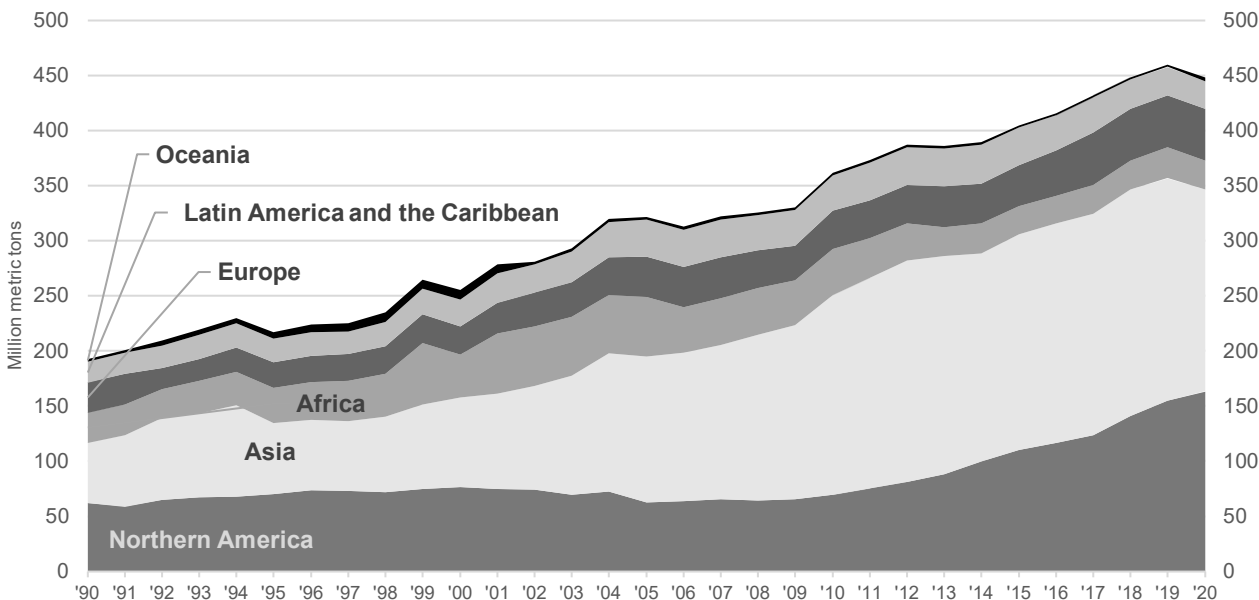


Figure 67: Production of natural gas liquids by end-use product, 2020

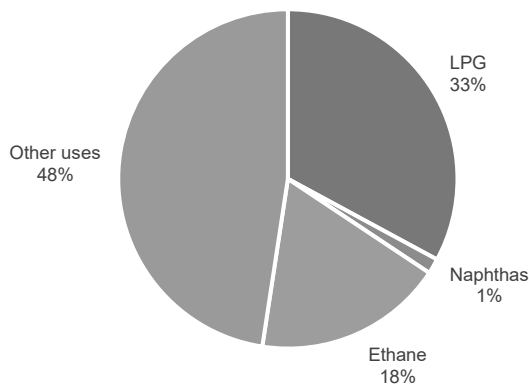


Table 26

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	2017	431,564	149,738	6,884	68,586	8,745	-49,899	119,749
	2018	448,029	152,414	6,358	75,789	7,386	-53,938	118,104
	2019	459,996	147,065	6,787	76,468	7,743	-64,173	113,126
	2020	447,759	147,335	6,487	80,800	6,812	-60,502	110,441
Africa	2017	26,306	11,764	219	..	..	-9,200	4,900
	2018	25,865	11,531	231	..	..	-9,466	4,662
	2019	28,298	11,503	277	..	..	-12,328	3,738
	2020	26,092	11,503	164	..	..	-9,800	4,285
Algeria	2017	17,744	8,412	113	..	..	-4,200	4,813
	2018	17,220	8,314	81	..	..	-4,290	4,574
	2019	16,517	8,259	107	..	..	-4,374	3,650
	2020	15,444	7,741	96	..	..	-3,253	4,231
Angola	2017	941	941	..	..	..	..	..
	2018	822	822	..	..	..	..	..
	2019	1,057	1,057	..	..	..	..	..
	2020	1,473	1,473	..	..	..	..	..
Cameroon	2017	..	..	..	..	..	..	..
	2018	16	16	..	..	..	..	..
	2019	24	24	..	..	..	..	..
	2020	25	25	..	..	..	..	..
Congo	2017	301	..	..	..	..	-276	24
	2018	301	..	..	..	..	-276	25
	2019	301	..	..	..	..	-276	25
	2020	301	..	..	..	..	-277	24
Côte d'Ivoire	2017	6	6	..	..	..	..	..
	2018	5	5	..	..	..	..	..
	2019	6	6	..	..	..	..	..
	2020	6	6	..	..	..	..	..
Egypt	2017	1,230	1,230	..	..	..	..	..
	2018	1,299	1,299	..	..	..	..	..
	2019	1,193	1,193	..	..	..	..	..
	2020	1,196	1,196	..	..	..	..	..
Equatorial Guinea	2017	660	660	..	..	..	..	..
	2018	587	587	..	..	..	..	..
	2019	512	512	..	..	..	..	..
	2020	464	464	..	..	..	..	..
Ghana	2017	114	114	..	..	..	..	..
	2018	80	80	..	..	..	..	..
	2019	66	66	..	..	..	..	..
	2020	84	84	..	..	..	..	..
Libya	2017	2,476	277	106	..	..	-2,093	..
	2018	2,870	292	150	..	..	-2,428	..
	2019	3,467	284	170	..	..	-3,014	..
	2020	1,610	286	68	..	..	-1,256	..
Mozambique	2017	9	..	..	..	..	-9	..
	2018	8	..	..	..	..	-8	..
	2019	7	..	..	..	..	-7	..
	2020	6	..	..	..	..	-6	..
Nigeria	2017	2,557	..	..	..	..	-2,553	..
	2018	2,424	..	..	..	..	-2,413	..
	2019	4,943	..	..	..	..	-4,623	..
	2020	5,314	136	..	..	..	-4,969	..

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		
South Africa	2017	63	..	..	..	..	..	63
	2018	63	..	..	..	..	..	63
	2019	63	..	..	..	..	..	63
	2020	30	..	..	..	..	..	30
Tunisia	2017	206	123	..	..	..	-69	..
	2018	172	118	..	..	..	-51	..
	2019	142	102	..	..	..	-34	..
	2020	140	93	..	..	..	-39	..
Asia	2017	200,996	71,640	5,467	31,921	138	-39,678	48,259
	2018	205,814	69,842	5,168	33,241	148	-39,743	48,513
	2019	201,578	55,574	5,667	32,346	178	-42,678	47,465
	2020	182,752	50,408	5,516	33,269	176	-44,188	45,027
Azerbaijan	2017	2,688	12	20	..	..	-2,357	299
	2018	2,921	12	20	..	..	-2,510	379
	2019	*3,940	12	*24	..	..	-3,534	370
	2020	4,199	14	23	..	..	-3,544	619
Bahrain	2017	337	..	..	..	..	-315	..
	2018	385	..	..	..	..	-365	..
	2019	651	..	..	..	..	-693	..
	2020	636	..	..	..	..	-627	..
Bangladesh	2017	409	6	..	..	138	..	256
	2018	407	6	..	..	148	..	243
	2019	392	7	..	..	178	..	189
	2020	259	7	..	..	176	..	58
Brunei Darussalam	2017	544	17	..	..	..	-464	81
	2018	518	17	..	..	..	-392	126
	2019	524	18	..	..	..	-406	100
	2020	414	18	..	..	..	-388	27
India	2017	*4,609	2,210	1,220	..	..	..	*1,179
	2018	*4,932	*2,086	*1,250	..	..	..	*1,596
	2019	*4,763	*2,100	*1,280	..	..	..	*1,383
	2020	*4,212	*1,859	975	..	..	..	*1,378
Indonesia	2017	*924	1,162	..	..	..	423	185
	2018	*969	1,143	..	..	..	241	67
	2019	*1,164	1,140	..	..	..	1,583	..
	2020	1,063	1,024	..	..	..	..	..
Iran (Islamic Rep. of)	2017	28,801	2,720	..	9,711	..	-10,958	2,567
	2018	30,432	2,656	..	10,479	..	-11,578	2,583
	2019	29,827	2,775	..	10,098	..	-11,348	2,531
	2020	27,603	2,658	..	9,256	..	-10,502	2,343
Iraq	2017	1,861	1,449	..	..	..	..	412
	2018	1,978	1,540	..	..	..	..	438
	2019	2,019	1,573	..	..	..	..	447
	2020	1,977	1,540	..	..	..	..	437
Japan	2017	240	..	..	..	..	2,049	2,054
	2018	215	..	..	..	..	1,725	1,870
	2019	198	..	..	..	..	2,232	2,390
	2020	185	..	..	..	..	1,232	1,415
Kazakhstan	2017	13,270	1,238	..	..	..	-12,032	..
	2018	12,863	1,493	..	..	..	-11,371	..
	2019	11,912	1,552	..	..	..	-10,360	..
	2020	12,649	1,571	..	..	..	-11,078	..

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		
Kuwait	2017	8,843	6,688	..	2,155	..	..
	2018	9,004	6,849	..	2,155	..	..
	2019	8,026	5,871	..	2,155	..	..
	2020	8,403	6,248	..	2,155	..	..
Malaysia	2017	2,338	1,838	243	..	..	..
	2018	2,398	1,906	230	..	..	..
	2019	1,789	1,837	*191	..	..	..
	2020	1,864	1,891	*230	..	..	..
Myanmar	2017	12	8	4	..	..	..
	2018	13	13	5	..	..	..
	2019	13	7	4	..	..	..
	2020	*12	..	*5	..	..	..
Oman	2017	238	238	..	..	..	..
	2018	239	239	..	..	..	..
	2019	281	281	..	..	..	..
	2020	216	216	..	..	..	..
Pakistan	2017	571	*571	..	..	..	..
	2018	564	*564	..	..	..	..
	2019	599	*599	..	..	..	..
	2020	589	589	..	..	..	..
Qatar	2017	41,876	9,687	..	960	..	-18,840	12,390
	2018	42,758	10,523	..	1,006	..	-18,840	12,390
	2019	40,268	8,031	..	1,007	..	-18,840	12,390
	2020	39,788	7,056	..	2,618	..	-18,255	11,859
Saudi Arabia	2017	46,923	27,469	..	12,590	..	4,095	8,416
	2018	47,596	25,264	..	13,356	..	4,341	8,494
	2019	46,250	*12,871	..	*12,913	..	0	*8,674
	2020	30,592	*9,267	..	*12,778	..	-157	*8,331
Syrian Arab Republic	2017	76	76	..	..	..	..	..
	2018	76	76	..	..	..	..	..
	2019	86	86	..	..	..	..	..
	2020	95	95	..	..	..	..	..
Thailand	2017	6,804	4,235	..	2,333	..	-33	..
	2018	6,861	4,309	..	2,388	..	-18	..
	2019	6,673	4,238	..	2,220	..	-33	..
	2020	6,151	3,526	..	1,911	..	-49	..
Turkmenistan	2017	943	661	..	..	..	..	281
	2018	989	666	..	..	..	..	323
	2019	1,015	754	..	..	..	..	261
	2020	968	719	..	..	..	..	249
United Arab Emirates	2017	34,913	10,802	3,980	4,172	..	..	18,164
	2018	35,981	9,886	3,663	3,857	..	..	17,861
	2019	36,867	11,104	4,168	3,953	..	..	16,408
	2020	37,196	11,409	4,283	4,552	..	..	16,174
Uzbekistan	2017	1,953	..	..	..	..	23	1,976
	2018	2,145	..	..	..	..	0	2,145
	2019	2,310	..	..	..	..	11	2,321
	2020	2,028	..	..	..	..	108	2,136
Viet Nam	2017	317	317	..	..	..	..	..
	2018	381	381	..	..	..	..	..
	2019	391	391	..	..	..	..	..
	2020	392	372	..	..	..	..	..

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		
Yemen	2017	236	236	..	..	..	..	..
	2018	214	214	..	..	..	..	..
	2019	328	328	..	..	..	..	..
	2020	329	329	..	..	..	..	..
Europe	2017	47,331	7,337	1,091	2,689	553	9,104	39,384
	2018	46,944	6,691	939	2,563	352	7,024	38,220
	2019	47,025	6,465	843	1,835	206	3,298	36,404
	2020	47,517	6,363	807	1,707	4	5,085	38,329
Austria	2017	37	..	..	..	..	..	37
	2018	18	..	..	..	..	..	18
	2019	16	..	..	..	..	..	16
	2020	14	..	..	..	..	..	14
Belarus	2017	97	94	..	..	23	..	..
	2018	100	97	..	..	17	..	..
	2019	102	98	..	..	20	..	..
	2020	107	103	..	..	4	..	..
Belgium	2017	..	..	..	..	..	23	..
	2018	..	..	..	..	..	21	..
	2019	..	..	..	..	..	..	..
	2020	..	..	..	..	..	..	..
Croatia	2017	64	42	..	..	..	..	22
	2018	58	38	..	..	..	..	19
	2019	59	40	..	..	..	..	13
	2020	51	34	17	..	..	..	..
Finland	2017	..	..	..	..	..	1,367	1,272
	2018	..	..	..	..	..	1,189	1,261
	2019	..	..	..	..	..	549	673
	2020	..	..	..	..	..	647	665
France	2017	..	..	..	..	530	626	136
	2018	..	..	..	..	335	335	..
	2019	..	..	..	..	186	186	..
	2020	..	..	..	..	..	..	..
Hungary	2017	282	89	..	..	..	-19	130
	2018	242	75	..	..	..	..	159
	2019	184	43	..	..	..	..	137
	2020	145	35	..	..	..	..	110
Italy	2017	..	..	..	..	..	..	..
	2018	..	..	..	..	..	..	..
	2019	..	..	..	..	..	..	..
	2020	10	..	..	..	..	..	10
Montenegro	2017	..	..	..	..	..	..	..
	2018	..	..	..	..	..	4	..
	2019	..	..	..	..	..	5	..
	2020	..	..	..	..	..	4	..
Netherlands	2017	240	..	..	..	..	6,919	4,141
	2018	204	..	..	..	..	6,053	3,202
	2019	132	..	..	..	..	4,759	2,365
	2020	112	..	..	..	..	6,502	3,606
Norway	2017	10,504	5,964	1,091	1,457	..	..	..
	2018	10,006	5,598	939	1,447	..	..	..
	2019	9,061	5,309	843	1,098	..	..	..
	2020	8,759	5,073	789	1,012	..	..	..

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		
Romania	2017	96	..	..	..	..	-24	66
	2018	91	..	..	..	..	-16	63
	2019	129	..	..	..	..	-30	78
	2020	123	..	..	..	..	-27	70
Russian Federation	2017	31,862	..	..	..	..	-1	31,874
	2018	32,199	..	..	..	..	-229	31,963
	2019	33,431	..	..	..	..	-1,838	31,589
	2020	34,099	..	..	..	..	-1,709	32,386
Serbia	2017	35	..	..	..	..	40	76
	2018	34	..	..	..	..	2	36
	2019	31	..	..	..	..	31	61
	2020	32	..	..	..	..	23	54
Slovakia	2017	2	..	..	..	..	..	2
	2018	2	..	..	..	..	..	2
	2019	2	..	..	..	..	..	2
	2020	2	..	..	..	..	..	2
Slovenia	2017	0	..	..	..	..	0	..
	2018	1	..	..	..	..	-1	..
	2019	0	..	..	..	..	0	..
	2020	0	..	..	..	..	0	..
Ukraine	2017	665	..	..	..	..	109	762
	2018	669	..	..	..	..	44	704
	2019	735	..	..	..	..	1	737
	2020	735	..	..	..	..	..	746
United Kingdom	2017	3,446	1,148	..	1,232	..	65	867
	2018	3,320	883	..	1,116	..	-379	793
	2019	3,144	975	..	736	..	-365	733
	2020	3,327	1,119	..	695	..	-355	667
Latin America & Carib.	2017	32,012	11,717	108	3,086	4,978	-235	8,135
	2018	27,090	10,210	20	2,869	3,665	-251	7,308
	2019	25,755	9,752	0	2,667	3,209	-286	6,415
	2020	24,772	9,041	0	2,851	3,076	-291	5,287
Argentina	2017	3,435	1,573	..	980	..	-256	626
	2018	3,859	1,747	..	1,102	..	-263	747
	2019	4,106	1,995	..	1,074	..	-270	767
	2020	5,024	1,770	..	1,379	..	-277	750
Belize	2017	*1	1	..	..	..	..	..
	2018	*1	1	..	..	..	..	..
	2019	*1	1	..	..	..	..	..
	2020	1	1	..	..	..	..	..
Bolivia (Plur. State of)	2017	1,040	401	..	..	..	-15	573
	2018	1,029	419	..	..	..	-15	595
	2019	1,034	469	..	..	..	-16	549
	2020	977	433	..	..	..	-14	530
Brazil	2017	6,201	1,456	108	..	1,465	..	1,363
	2018	5,517	1,334	20	..	1,580	..	1,664
	2019	5,735	1,288	0	..	1,120	..	1,764
	2020	6,142	1,293	0	..	1,147	..	1,546
Chile	2017	108	..	..	..	..	..	..
	2018	224	..	..	..	..	..	..
	2019	307	..	..	..	..	..	..
	2020	285	..	..	..	..	..	..

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		
Colombia	2017	1,521	362	..	..	1,159	..	..
	2018	334	334	..	..	0	..	..
	2019	376	376	..	..	0	..	..
	2020	442	442	..	..	..	..	..
Curaçao	2017	..	36	..	..	..	36	..
	2018	..	27	..	..	..	27	..
	2019	..	0	..	..	..	0	..
	2020	..	..	..	..	..	..	..
Ecuador	2017	*184	104	..	..	70	..	10
	2018	*178	100	..	..	71	..	8
	2019	*164	91	..	..	64	..	9
	2020	*151	79	..	..	64	..	8
Mexico	2017	7,920	3,807	..	2,106	..	..	1,866
	2018	6,764	3,357	..	1,767	..	..	1,549
	2019	6,218	3,047	..	1,593	..	..	1,486
	2020	5,875	2,873	..	1,472	..	..	1,420
Peru	2017	3,570	1,275	..	..	1,771	..	..
	2018	3,362	1,210	..	..	1,537	..	..
	2019	3,411	1,262	..	..	1,534	..	..
	2020	3,350	1,273	..	..	1,487	..	..
Trinidad and Tobago	2017	921	547	..	..	406	..	..
	2018	805	454	..	..	388	..	..
	2019	801	436	..	..	408	..	..
	2020	673	360	..	..	350	..	..
Venezuela (Bolivar. Rep.)	2017	7,112	2,156	..	..	107	..	3,698
	2018	5,017	1,228	..	..	89	..	2,744
	2019	3,601	787	..	..	83	..	1,840
	2020	1,852	517	..	..	27	..	1,033
Northern America	2017	123,197	45,564	..	30,890	3,075	-9,888	19,070
	2018	140,659	52,545	..	37,116	3,221	-11,502	19,401
	2019	155,114	61,544	..	39,621	4,150	-12,179	19,104
	2020	163,441	66,835	..	42,973	3,556	-11,308	17,513
Canada	2017	15,946	..	..	..	..	-3,348	1,400
	2018	17,550	..	..	..	..	-4,300	1,700
	2019	18,587	..	..	..	..	-5,432	2,440
	2020	18,042	..	..	..	..	-3,724	2,426
United States	2017	107,251	45,564	..	30,890	3,075	-6,540	17,670
	2018	123,109	52,545	..	37,116	3,221	-7,202	17,701
	2019	136,527	61,544	..	39,621	4,150	-6,748	16,664
	2020	145,399	66,835	..	42,973	3,556	-7,584	15,086
Oceania	2017	1,722	1,717	..	..	..	-2	..
	2018	1,656	1,595	..	..	..	..	..
	2019	2,227	2,227	..	..	..	..	..
	2020	3,185	3,185	..	..	..	..	..
Australia	2017	1,536	1,536	..	..	..	..	..
	2018	1,472	1,411	..	..	..	..	..
	2019	2,055	2,055	..	..	..	..	..
	2020	3,016	3,016	..	..	..	..	..
New Zealand	2017	186	181	..	..	..	-2	..
	2018	184	184	..	..	..	..	..
	2019	172	172	..	..	..	..	..
	2020	169	169	..	..	..	..	..

Production, trade and supply of natural gas

Terajoules

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, 1990-2020

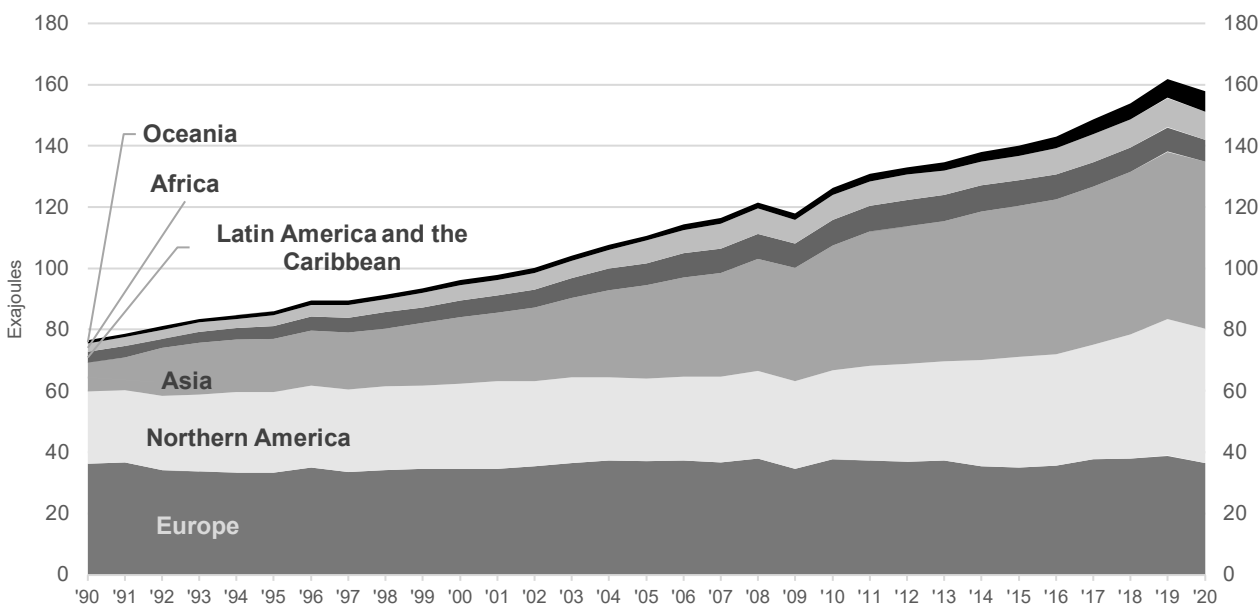


Figure 69: Major natural gas producing countries, 2020

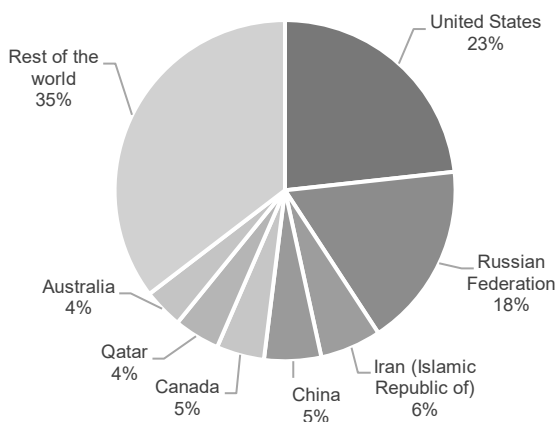


Figure 70: Major natural gas consuming countries, 2020

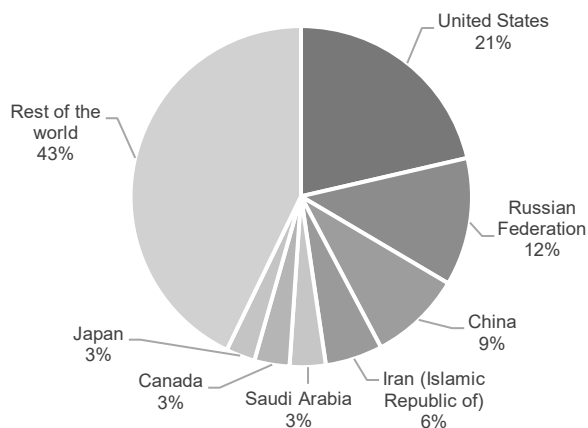


Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
World	2017	148,610,429	45,891,949	47,320,144	5,111	432,738	146,744,384	19,309
	2018	153,883,440	46,400,058	46,439,951	5,614	-538,693	154,376,625	20,091
	2019	161,880,318	47,903,536	49,657,142	10,659	1,722,823	158,393,231	20,399
	2020	157,749,761	46,886,191	48,382,249	14,141	-549,703	156,789,265	19,996
Africa	2017	9,119,009	637,492	3,971,997	..	2,888	5,781,616	4,581
	2018	9,113,875	595,366	3,863,894	..	2,068	5,843,280	4,516
	2019	9,624,751	377,311	3,729,506	..	1,366	6,271,191	4,728
	2020	9,199,079	454,707	3,458,023	..	..	6,195,763	4,558
Algeria	2017	3,784,257	..	2,107,290	..	2,888	1,674,079	40,696
	2018	3,815,473	..	2,006,499	..	2,068	1,806,906	43,096
	2019	3,525,508	..	1,669,162	..	1,366	1,854,980	43,437
	2020	3,355,568	..	1,561,220	..	..	1,794,348	41,295
Angola	2017	220,400	..	188,480	..	..	31,920	1,057
	2018	235,220	..	202,540	..	..	32,680	1,045
	2019	258,400	..	209,000	..	..	49,400	1,527
	2020	*286,900	..	*236,360	..	..	*50,540	*1,512
Benin	2017	..	1,526	..	..	..	1,526	132
	2018	..	750	..	..	..	750	63
	2019	..	2,194	..	..	..	2,194	178
	2020	..	6,457	..	..	..	6,457	511
Cameroon	2017	22,800	..	..	..	..	22,800	935
	2018	60,800	..	31,160	..	..	29,640	1,182
	2019	89,680	..	62,700	..	..	26,980	1,046
	2020	90,440	..	55,860	..	..	34,580	1,305
Congo	2017	24,045	..	..	..	..	24,045	4,526
	2018	27,316	..	..	..	..	27,316	5,020
	2019	38,328	..	..	..	..	38,328	6,880
	2020	40,024	..	..	..	..	40,024	7,019
Côte d'Ivoire	2017	87,679	..	..	..	..	87,679	3,529
	2018	79,833	..	..	..	..	79,833	3,131
	2019	86,558	..	..	..	..	86,558	3,310
	2020	88,770	..	..	..	..	88,770	3,311
Dem. Rep. of the Congo	2017	12	..	..	..	..	12	0
	2018	12	..	..	..	..	12	0
	2019	..	..	..	..	..	..	..
	2020	..	..	..	..	..	..	..
Egypt	2017	1,994,593	299,840	90,707	..	..	2,203,726	21,650
	2018	1,909,150	218,726	40,195	..	..	2,087,681	20,124
	2019	2,643,004	..	193,035	..	..	2,449,969	23,196
	2020	2,370,530	81,700	81,359	..	..	2,370,871	22,062
Equatorial Guinea	2017	321,430	..	196,432	..	..	124,998	86,164
	2018	302,441	..	214,952	..	..	87,489	58,245
	2019	243,285	..	182,582	..	..	60,704	39,087
	2020	228,893	..	152,985	..	..	75,908	47,560
Gabon	2017	18,360	..	..	..	..	18,360	8,579
	2018	17,872	..	..	..	..	17,872	8,153
	2019	18,685	..	..	..	..	18,685	8,331
	2020	19,660	..	..	..	..	19,660	8,575
Ghana	2017	35,607	12,358	..	..	..	47,965	1,587
	2018	41,224	27,470	..	..	..	68,693	2,225
	2019	58,367	25,073	..	..	..	83,440	2,647
	2020	100,406	25,786	..	..	..	126,192	3,921

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Libya	2017	543,752	..	174,800	..	..	368,952	57,845
	2018	527,439	..	171,000	..	..	356,439	55,025
	2019	539,207	..	216,600	..	..	322,607	49,110
	2020	494,000	..	171,000	..	..	323,000	48,543
Morocco	2017	2,870	44,819	..	..	..	47,689	1,323
	2018	3,069	39,927	..	..	..	42,996	1,179
	2019	3,491	37,215	..	..	..	40,705	1,105
	2020	3,473	28,194	..	..	..	31,666	850
Mozambique	2017	191,690	..	158,909	..	..	32,781	1,147
	2018	191,890	..	159,007	..	..	32,883	1,118
	2019	190,410	..	155,227	..	..	35,183	1,162
	2020	185,337	..	151,580	..	..	33,757	1,083
Niger	2017	..	..	..	..	..	..	..
	2018	..	..	..	..	..	..	..
	2019	1,482	..	..	..	..	1,482	63
	2020	1,482	..	..	..	..	1,482	61
Nigeria	2017	1,713,800	..	1,054,880	..	..	658,920	3,405
	2018	1,736,600	..	1,038,540	..	..	698,060	3,519
	2019	1,754,840	..	1,041,200	..	..	713,640	3,510
	2020	1,765,100	..	1,047,660	..	..	717,440	3,444
Rwanda	2017	*1,700	..	..	..	..	*1,700	*139
	2018	*1,900	..	..	..	..	*1,900	*152
	2019	*1,870	..	..	..	..	*1,870	*146
	2020	*1,800	..	..	..	..	*1,800	*137
Senegal	2017	736	..	..	..	..	736	49
	2018	461	..	..	..	..	461	30
	2019	559	..	..	..	..	559	35
	2020	553	..	..	..	..	553	34
South Africa	2017	25,571	124,124	499	..	..	149,196	2,634
	2018	39,122	146,278	..	..	..	185,400	3,233
	2019	44,827	140,242	..	..	..	185,069	3,186
	2020	42,790	153,262	..	..	..	196,052	3,334
Togo	2017	..	1,482	..	..	..	1,482	189
	2018	..	1,710	..	..	..	1,710	213
	2019	..	3,724	..	..	..	3,724	452
	2020	..	3,724	..	..	..	3,724	441
Tunisia	2017	99,519	153,343	..	..	..	252,862	21,408
	2018	95,274	160,505	..	..	..	255,779	21,435
	2019	88,184	168,864	..	..	..	257,048	21,333
	2020	89,547	155,584	..	..	..	245,131	20,156
United Rep. of Tanzania	2017	30,188	..	..	..	..	30,188	537
	2018	28,778	..	..	..	..	28,778	495
	2019	38,065	..	..	..	..	38,065	636
	2020	33,807	..	..	..	..	33,807	548
Asia	2017	51,737,533	17,936,711	13,735,806	..	149,781	55,788,657	12,266
	2018	53,033,704	19,504,182	14,037,991	..	245,245	58,254,649	12,692
	2019	54,646,312	20,052,605	14,359,930	..	-46,751	60,385,737	13,045
	2020	54,472,599	20,536,844	13,816,184	..	-124,561	61,317,821	13,146
Afghanistan	2017	6,091	..	..	..	..	6,091	171
	2018	5,978	..	..	..	..	5,978	163
	2019	5,022	..	..	..	..	5,022	133
	2020	3,129	..	..	..	..	3,129	80

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Armenia	2017	..	91,554	..	..	904	90,650	31,785
	2018	..	94,283	..	..	-796	95,079	33,519
	2019	..	98,638	..	..	-721	99,359	35,226
	2020	..	99,896	..	..	289	99,607	35,503
Azerbaijan	2017	710,345	82,413	345,951	..	22,143	424,664	42,165
	2018	750,229	70,238	387,155	..	680	432,633	42,613
	2019	957,529	0	462,197	..	4,949	490,383	47,923
	2020	1,034,594	..	540,587	..	-664	494,672	48,097
Bahrain	2017	568,359	..	..	..	-636	568,995	390,570
	2018	577,458	..	..	..	1	577,457	388,248
	2019	676,469	..	..	..	..	676,469	452,733
	2020	673,471	..	..	..	..	673,471	455,827
Bangladesh	2017	1,070,946	..	..	..	-19,967	1,090,912	6,743
	2018	1,070,345	..	..	..	-14,689	1,085,034	6,629
	2019	1,077,787	130,002	..	..	..	1,207,789	7,297
	2020	991,521	228,049	..	..	..	1,219,570	7,284
Brunei Darussalam	2017	462,777	..	327,214	..	-3,125	138,688	322,323
	2018	452,350	..	307,980	..	1,567	142,803	328,831
	2019	426,639	..	304,995	..	247	121,396	277,129
	2020	414,523	..	306,167	..	4	108,352	245,294
China	2017	6,333,108	3,691,387	137,744	..	..	9,886,751	7,011
	2018	6,965,249	4,862,017	131,111	..	..	11,696,155	8,254
	2019	7,753,473	5,197,597	140,866	..	..	12,810,204	9,009
	2020	8,501,974	5,451,039	201,582	..	..	13,751,430	9,651
China, Hong Kong SAR	2017	..	126,387	..	..	..	126,387	16,939
	2018	..	123,197	..	..	..	123,197	16,467
	2019	..	127,799	..	..	..	127,799	17,049
	2020	..	191,705	..	..	..	191,705	25,557
China, Macao SAR	2017	..	6,847	..	..	2	6,845	10,719
	2018	..	3,634	..	..	..	3,634	5,582
	2019	..	5,218	..	..	..	5,218	7,863
	2020	..	2,824	..	..	..	2,824	4,176
Georgia	2017	333	95,263	..	..	..	95,596	25,344
	2018	403	94,744	..	..	..	95,147	25,222
	2019	385	107,419	..	..	..	107,804	28,589
	2020	356	107,834	..	..	..	108,190	28,729
India	2017	1,257,639	765,392	..	..	..	2,023,031	1,494
	2018	1,282,737	1,121,464	..	..	..	2,404,201	1,756
	2019	*1,179,996	*1,401,333	..	..	..	*2,581,329	*1,866
	2020	*1,083,578	*1,363,015	..	..	..	*2,446,593	*1,752
Indonesia	2017	2,496,383	..	781,916	..	..	1,714,467	6,482
	2018	2,541,308	..	830,711	..	..	1,710,597	6,405
	2019	2,374,248	..	587,224	..	..	1,787,024	6,629
	2020	2,462,373	..	811,361	..	..	1,651,012	6,073
Iran (Islamic Rep. of)	2017	8,489,798	151,954	520,558	..	..	8,121,194	96,103
	2018	8,967,163	83,273	547,354	..	..	8,503,081	99,315
	2019	9,156,549	824	718,996	..	..	8,438,378	97,481
	2020	9,156,436	824	631,593	..	..	8,525,668	97,670
Iraq	2017	329,997	60,800	..	..	..	390,797	9,863
	2018	402,800	159,220	..	..	..	562,020	13,846
	2019	424,080	232,180	..	..	..	656,260	15,789
	2020	412,680	274,360	..	..	..	687,040	16,144

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Israel	2017	324,522	17,167	2,410	..	..	339,279	40,831
	2018	335,461	27,969	4,168	..	..	359,262	42,484
	2019	336,263	28,994	7,057	..	..	358,200	41,613
	2020	495,175	21,487	136,301	..	..	380,361	43,433
Japan	2017	196,211	4,568,890	..	..	36,417	4,728,684	37,333
	2018	182,015	4,406,588	..	..	55,468	4,533,134	35,904
	2019	175,023	4,185,466	..	..	3,129	4,357,360	34,639
	2020	167,889	4,178,883	..	..	-17,993	4,364,766	34,850
Jordan	2017	3,847	202,013	42,584	..	..	163,276	15,983
	2018	3,624	167,881	11,589	..	..	159,916	15,289
	2019	3,464	167,883	11,589	..	..	159,759	14,933
	2020	5,820	155,393	11,589	..	..	149,624	13,691
Kazakhstan	2017	1,847,913	244,878	693,785	..	11,338	1,387,668	75,768
	2018	1,567,135	387,839	1,071,740	..	17,083	866,151	46,723
	2019	1,339,839	647,078	1,050,070	..	755	936,092	49,914
	2020	1,224,568	510,912	813,220	..	-16,204	938,465	49,447
Korea, Republic of	2017	18,642	2,029,463	..	..	33,352	2,014,753	39,113
	2018	20,338	2,309,420	..	..	110,789	2,218,968	42,939
	2019	14,008	2,241,985	..	..	-21,454	2,277,446	43,963
	2020	12,393	2,235,706	..	..	-58,504	2,306,604	44,491
Kuwait	2017	642,200	210,140	..	..	..	852,340	206,633
	2018	680,200	189,240	..	..	..	869,440	201,390
	2019	742,900	197,600	..	..	..	940,500	211,772
	2020	817,000	233,700	..	..	..	1,050,700	240,962
Kyrgyzstan	2017	939	10,866	..	..	..	11,805	1,929
	2018	985	12,016	..	..	..	13,001	2,089
	2019	880	11,714	..	..	..	12,594	1,992
	2020	807	12,404	..	..	..	13,211	2,056
Malaysia	2017	2,430,873	292,784	1,292,015	..	..	1,431,642	44,773
	2018	2,565,169	291,035	1,143,335	..	..	1,712,869	52,868
	2019	2,826,167	345,084	1,335,928	..	..	1,835,323	55,948
	2020	2,640,175	319,229	1,287,606	..	..	1,671,798	50,355
Myanmar	2017	710,324	..	*538,261	..	..	172,063	3,291
	2018	645,644	..	480,667	..	..	164,977	3,133
	2019	738,693	..	576,441	..	..	162,252	3,059
	2020	661,296	..	484,477	..	..	176,819	3,310
Oman	2017	1,348,927	81,558	464,955	..	..	965,530	212,585
	2018	1,523,605	66,240	547,104	..	..	1,042,741	226,626
	2019	1,541,267	82,800	560,031	..	..	1,064,036	231,173
	2020	1,511,302	66,240	533,760	..	..	1,043,782	229,736
Other Asia	2017	9,888	919,914	..	..	4,956	924,846	39,081
	2018	7,353	939,132	..	..	12,831	933,654	39,351
	2019	6,223	924,169	..	..	10,701	919,692	38,679
	2020	3,920	991,458	..	..	2,080	993,298	41,698
Pakistan	2017	1,263,942	246,283	..	..	..	1,510,225	6,980
	2018	1,250,705	289,828	..	..	..	1,540,533	7,011
	2019	1,231,511	292,634	..	..	..	1,524,145	6,826
	2020	991,762	359,374	..	..	..	1,351,136	5,947
Philippines	2017	153,033	..	..	..	..	153,033	1,434
	2018	170,850	..	..	..	..	170,850	1,574
	2019	172,032	..	..	..	..	172,032	1,559
	2020	156,009	..	..	..	..	156,009	1,391

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Qatar	2017	6,893,100	..	5,122,836	..	..	1,770,264	652,811
	2018	6,855,840	..	5,084,334	..	..	1,771,506	640,288
	2019	6,939,054	..	5,161,752	..	..	1,777,302	633,115
	2020	6,903,036	..	5,138,154	..	..	1,764,882	639,361
Saudi Arabia	2017	5,033,709	..	..	..	..	5,033,709	147,214
	2018	5,228,814	..	..	..	..	5,228,814	149,317
	2019	5,202,670	..	..	..	..	5,202,670	145,215
	2020	5,306,856	..	..	..	..	5,306,856	147,425
Singapore	2017	..	413,313	..	..	3,598	409,714	71,076
	2018	..	416,980	..	..	-1,438	418,418	71,961
	2019	..	424,860	..	..	218	424,642	72,385
	2020	..	414,552	..	..	-1,837	416,389	70,457
Syrian Arab Republic	2017	139,490	..	..	..	..	139,490	7,348
	2018	138,736	..	..	..	..	138,736	7,176
	2019	133,081	..	..	..	..	133,081	6,622
	2020	116,870	..	..	..	..	116,870	5,626
Tajikistan	2017	81	..	..	..	..	81	9
	2018	24	2,184	..	..	..	2,208	242
	2019	28	*9,000	..	..	..	*9,028	*967
	2020	28	*9,000	..	..	..	*9,028	*946
Thailand	2017	1,098,964	576,394	..	..	..	1,675,358	23,630
	2018	1,063,777	588,243	..	..	..	1,652,020	23,226
	2019	1,122,001	582,542	..	..	..	1,704,544	23,904
	2020	1,193,772	581,639	..	..	..	1,775,411	24,839
Timor-Leste	2017	205,686	..	205,686	..	..	0	0
	2018	209,443	..	209,443	..	..	0	0
	2019	183,311	..	183,311	..	..	0	0
	2020	188,725	..	188,725	..	..	0	0
Türkiye	2017	13,564	2,116,077	24,158	..	47,789	2,057,694	25,066
	2018	16,343	1,925,967	25,789	..	8,384	1,908,137	23,043
	2019	18,129	1,731,656	29,216	..	-2,750	1,723,319	20,643
	2020	16,902	1,843,399	22,121	..	-9,325	1,847,506	21,959
Turkmenistan	2017	3,050,065	..	2,247,405	..	..	802,660	134,485
	2018	3,199,347	..	2,396,687	..	..	802,660	132,341
	2019	3,284,976	..	2,448,602	..	..	836,375	135,810
	2020	3,133,420	..	2,263,129	..	..	870,292	139,237
United Arab Emirates	2017	2,110,436	873,619	545,500	..	..	2,438,555	268,910
	2018	1,871,750	871,551	353,193	..	..	2,390,108	261,495
	2019	2,149,940	878,129	365,783	..	..	2,662,286	289,013
	2020	2,148,616	883,920	342,049	..	..	2,690,487	289,696
Uzbekistan	2017	2,139,984	61,356	442,828	..	13,008	1,745,504	54,640
	2018	2,099,327	0	505,630	..	55,365	1,538,332	47,407
	2019	2,064,317	..	415,873	..	-41,825	1,690,269	51,256
	2020	1,692,208	..	103,763	..	-22,407	1,610,852	48,047
Viet Nam	2017	363,390	..	..	..	..	363,390	3,864
	2018	377,189	..	..	..	..	377,189	3,974
	2019	384,348	..	..	..	..	384,348	4,013
	2020	344,201	..	..	..	..	344,201	3,561
Yemen	2017	12,027	..	..	..	..	12,027	400
	2018	4,009	..	..	..	..	4,009	130
	2019	4,009	..	..	..	..	4,009	127
	2020	5,212	..	..	..	..	5,212	161

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Europe	2017	37,646,727	20,097,227	18,031,097	3,629	675,279	39,033,950	52,275
	2018	37,925,218	19,017,298	16,205,207	4,414	-439,269	41,172,165	55,070
	2019	38,892,361	20,424,076	17,504,258	9,063	1,305,400	40,497,717	54,106
	2020	36,434,510	18,634,320	16,469,314	11,101	-707,832	39,296,246	52,497
Albania	2017	3,422	..	..	..	..	3,422	1,189
	2018	3,076	..	..	..	..	3,076	1,069
	2019	2,682	..	..	..	..	2,682	933
	2020	2,061	..	..	..	..	2,061	719
Austria	2017	48,516	536,865	210,482	..	13,139	361,760	41,121
	2018	39,964	503,400	201,444	..	-587	342,507	38,743
	2019	36,367	547,204	108,491	..	117,417	357,663	40,278
	2020	29,926	636,210	388,059	..	-61,205	339,282	38,088
Belarus	2017	5,793	734,359	..	..	-8,999	749,151	77,169
	2018	5,948	785,185	..	..	-3,553	794,686	81,964
	2019	5,952	753,709	..	..	221	759,440	78,503
	2020	5,865	696,631	..	..	816	701,680	72,836
Belgium	2017	..	678,309	12,355	306	-10,759	676,406	59,415
	2018	2	755,349	52,994	402	3,850	698,105	60,977
	2019	149	894,029	174,004	423	12,850	706,902	61,413
	2020	266	832,496	134,703	131	-5,899	703,828	60,876
Bosnia and Herzegovina	2017	..	9,292	..	..	..	9,292	2,701
	2018	..	9,261	..	..	1	9,260	2,723
	2019	..	8,745	..	..	..	8,745	2,602
	2020	..	7,977	..	..	..	7,977	2,404
Bulgaria	2017	3,082	126,673	1,246	..	9	128,500	17,891
	2018	1,328	120,455	482	..	-217	121,517	17,073
	2019	1,506	114,341	296	..	1,958	113,593	16,107
	2020	2,224	113,217	401	..	-1,965	117,005	16,765
Croatia	2017	57,197	70,106	7,700	..	3,617	115,987	27,665
	2018	47,345	61,167	4,361	..	-2,483	106,633	25,630
	2019	39,601	77,109	2,783	..	2,001	111,926	27,102
	2020	32,800	82,818	2,028	..	-3,883	117,472	28,674
Czechia	2017	8,768	341,211	..	..	14,989	334,990	31,809
	2018	8,355	307,194	..	..	-1,676	317,225	30,113
	2019	8,026	365,476	..	..	40,504	332,999	31,603
	2020	7,593	291,223	..	..	-39,695	338,512	32,144
Denmark	2017	208,080	21,678	93,373	..	2,809	133,576	23,282
	2018	180,146	16,184	64,077	..	-7	132,261	22,935
	2019	139,274	46,506	54,936	..	2,510	128,335	22,142
	2020	71,434	103,034	66,268	..	-6,092	114,292	19,619
Estonia	2017	..	18,885	..	..	..	18,885	14,333
	2018	..	19,241	..	..	..	19,241	14,553
	2019	..	18,642	..	947	..	17,695	13,334
	2020	..	17,202	..	1,006	..	16,196	12,183
Finland	2017	400	89,099	..	219	-1,000	90,280	16,390
	2018	407	101,361	..	58	256	101,454	18,394
	2019	382	99,553	..	20	557	99,358	17,995
	2020	394	98,580	..	67	288	98,619	17,835
France	2017	2,120	2,007,600	252,252	..	-34,622	1,792,090	26,977
	2018	2,930	2,041,798	247,462	..	81,161	1,716,105	25,772
	2019	5,110	2,275,007	450,534	..	78,659	1,750,924	26,238
	2020	8,674	1,917,689	380,090	..	-84,988	1,631,262	24,406

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Germany	2017	280,465	4,453,882	1,251,405	..	-21,906	3,504,848	42,419
	2018	219,329	3,281,120	..	..	78,810	3,421,640	41,276
	2019	203,460	3,520,265	..	..	205,863	3,517,861	42,308
	2020	187,515	3,092,273	..	..	-190,602	3,470,390	41,647
Gibraltar	2017	..	..	..	..	..	..	..
	2018	..	..	..	..	..	..	..
	2019	..	2,691	..	..	1,959	732	22,407
	2020	..	2,379	..	..	234	2,145	65,583
Greece	2017	422	196,550	..	..	1,417	195,555	18,289
	2018	589	192,807	..	..	1,863	191,534	18,013
	2019	445	207,358	634	..	-1,672	208,840	19,750
	2020	311	232,185	1,320	..	1,902	229,274	21,810
Hungary	2017	65,834	519,322	136,859	..	50,724	397,573	40,615
	2018	68,457	494,127	194,125	..	-16,643	385,102	39,391
	2019	62,010	724,785	271,148	..	121,663	393,984	40,318
	2020	61,645	473,860	165,534	..	-37,970	407,941	41,838
Ireland	2017	132,498	65,565	..	..	-2,557	200,621	42,043
	2018	127,802	80,961	..	..	..	208,763	43,182
	2019	99,718	112,418	..	..	..	212,136	43,328
	2020	76,828	135,059	..	..	..	211,887	42,839
Isle of Man	2017	..	4,748	..	..	..	4,748	56,808
	2018	..	4,642	..	..	..	4,642	55,410
	2019	..	5,454	..	..	..	5,454	64,980
	2020	..	5,222	..	..	..	5,222	62,136
Italy	2017	211,346	2,653,666	10,385	..	-8,968	2,863,596	47,696
	2018	208,644	2,585,940	14,878	..	10,067	2,769,640	46,228
	2019	184,780	2,707,586	12,399	..	42,713	2,837,254	47,475
	2020	156,739	2,529,567	12,023	..	-40,991	2,715,274	45,608
Latvia	2017	..	47,111	..	..	919	46,192	23,629
	2018	..	53,750	..	..	-634	54,384	28,096
	2019	..	51,343	..	..	17	51,327	26,781
	2020	..	42,387	..	..	42	42,345	22,322
Liechtenstein	2017	..	1,061	..	..	..	1,061	28,011
	2018	..	986	..	..	..	986	25,811
	2019	..	998	..	..	..	998	25,939
	2020	..	962	..	..	..	962	24,827
Lithuania	2017	..	96,757	7,980	..	-608	89,385	30,775
	2018	..	88,715	7,001	..	-892	82,606	28,721
	2019	..	106,877	20,175	..	-30	86,732	30,442
	2020	..	110,833	20,089	..	-982	91,726	32,524
Luxembourg	2017	256	32,245	..	..	..	32,501	54,506
	2018	241	31,803	..	..	..	32,044	52,711
	2019	153	31,822	..	..	..	31,976	51,576
	2020	233	28,901	..	..	..	29,135	46,216
Malta	2017	..	11,829	..	..	584	11,245	23,451
	2018	..	14,919	..	..	1,292	13,627	27,720
	2019	..	14,761	..	..	516	14,245	28,284
	2020	..	14,237	..	..	-568	14,805	28,727
Netherlands	2017	1,522,317	1,808,156	1,871,169	175	10,288	1,448,840	84,200
	2018	1,298,310	2,030,149	1,816,180	549	76,761	1,434,968	83,013
	2019	1,120,426	1,976,604	1,589,052	2,766	7,865	1,497,346	86,236
	2020	811,680	1,993,689	1,332,716	5,287	-3,839	1,471,205	84,384

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
North Macedonia	2017	..	9,487	..	..	7	9,480	4,489
	2018	..	8,749	..	..	5	8,744	4,137
	2019	..	10,218	..	..	-3	10,222	4,835
	2020	..	11,670	..	..	-1	11,671	5,529
Norway	2017	5,075,836	0	4,837,764	2,007	4,309	231,755	43,915
	2018	4,966,982	361	4,710,681	2,326	-2,021	256,357	48,257
	2019	4,692,661	1,057	4,462,085	2,446	-2,540	231,727	43,327
	2020	4,560,755	1,326	4,348,404	2,691	-352	211,337	39,283
Poland	2017	163,373	606,014	47,232	..	3,664	718,491	18,646
	2018	161,378	608,367	26,278	..	-6,627	750,093	19,472
	2019	159,408	672,988	51,161	..	26,313	754,922	19,612
	2020	158,002	673,201	53,833	..	-18,445	795,815	20,709
Portugal	2017	..	252,977	..	..	1,053	251,925	24,441
	2018	..	236,115	..	..	2,469	233,646	22,706
	2019	..	245,615	..	..	-171	245,786	23,886
	2020	..	238,822	..	..	-1,733	240,554	23,359
Republic of Moldova	2017	4	35,006	..	..	-52	35,062	11,024
	2018	4	38,250	..	..	97	38,157	12,145
	2019	3	35,201	..	..	-52	35,256	11,338
	2020	0	35,764	..	..	-164	35,928	11,647
Romania	2017	396,451	44,318	965	..	-7,291	447,095	22,696
	2018	394,323	56,210	1,143	..	-8,504	457,894	23,354
	2019	381,054	99,373	487	..	53,251	426,689	21,854
	2020	340,414	79,480	5,310	..	-31,316	445,900	22,935
Russian Federation	2017	27,025,965	335,736	8,725,080	..	571,303	18,065,317	124,201
	2018	27,755,267	358,750	8,433,194	..	-706,326	20,387,149	139,971
	2019	29,376,729	348,390	9,934,021	..	344,146	19,446,951	133,434
	2020	27,603,132	343,522	9,128,691	..	-194,550	19,012,514	130,565
Serbia	2017	18,117	80,849	..	..	474	98,491	13,194
	2018	16,653	81,431	..	..	-1,091	99,175	13,341
	2019	16,247	83,812	..	..	7,333	92,726	12,529
	2020	15,133	73,709	..	..	-3,707	92,550	12,578
Slovakia	2017	5,433	203,191	..	..	16,185	192,439	35,379
	2018	3,609	169,857	..	..	-16,199	189,665	34,822
	2019	4,795	259,722	..	..	74,428	190,089	34,854
	2020	2,544	167,459	..	..	-20,180	190,183	34,853
Slovenia	2017	334	34,170	143	..	..	34,361	16,375
	2018	634	33,515	436	..	..	33,714	16,009
	2019	273	34,027	79	..	..	34,220	16,196
	2020	213	34,004	..	..	..	34,217	16,158
Spain	2017	1,439	1,401,449	116,586	35	17,502	1,268,765	27,236
	2018	3,850	1,409,177	131,408	84	21,391	1,260,144	26,931
	2019	5,767	1,506,011	45,514	1,657	26,925	1,437,682	30,504
	2020	2,320	1,314,814	47,433	992	-30,863	1,299,572	27,438
Sweden	2017	..	43,870	205	886	..	42,779	4,253
	2018	..	48,205	661	995	..	46,549	4,581
	2019	..	45,695	1,039	804	..	43,851	4,271
	2020	391	60,378	1,162	928	..	58,679	5,659
Switzerland	2017	1,203	139,993	..	..	..	141,197	16,706
	2018	1,300	132,791	..	..	..	134,091	15,749
	2019	1,443	136,238	..	..	..	137,681	16,055
	2020	1,476	132,590	..	..	..	134,066	15,519

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Ukraine	2017	719,737	523,927	..	..	101,424	1,142,240	25,578
	2018	766,963	393,516	..	..	-32,894	1,193,373	26,849
	2019	759,092	442,225	..	..	113,552	1,087,764	24,604
	2020	694,528	287,471	..	..	30,458	951,541	21,670
United Kingdom	2017	1,688,318	1,861,271	447,915	..	-42,376	3,144,050	47,590
	2018	1,641,382	1,861,490	298,401	..	83,062	3,121,409	46,986
	2019	1,584,848	1,840,221	325,420	..	26,647	3,073,002	46,018
	2020	1,599,414	1,721,478	381,251	..	38,418	2,901,223	43,263
Latin America & Carib.	2017	7,952,611	2,747,832	1,440,666	1,482	-15,543	9,273,837	14,619
	2018	7,979,304	3,081,012	1,452,316	1,201	-13,326	9,620,126	15,026
	2019	7,878,686	2,879,881	1,381,975	1,596	-9,400	9,384,396	14,533
	2020	7,100,238	3,412,312	1,262,837	3,040	-8,003	9,254,677	14,222
Argentina	2017	1,561,420	401,380	2,662	..	-350	1,960,488	44,501
	2018	1,644,456	324,728	14,845	..	318	1,954,021	43,996
	2019	1,725,250	226,780	9,194	..	-716	1,943,553	43,436
	2020	1,577,341	240,423	6,111	..	760	1,810,893	40,210
Barbados	2017	765	..	..	..	..	765	2,739
	2018	1,002	..	..	..	..	1,002	3,583
	2019	892	..	..	..	..	892	3,183
	2020	386	223	..	..	..	609	2,169
Belize	2017	63	..	..	..	-6	69	184
	2018	51	..	..	..	11	40	105
	2019	41	..	..	..	15	26	66
	2020	32	..	..	..	12	20	52
Bolivia (Plur. State of)	2017	778,524	..	603,106	..	..	175,418	15,340
	2018	724,259	..	547,362	..	..	176,897	15,241
	2019	631,583	..	466,515	..	..	165,069	14,016
	2020	608,826	..	474,460	..	..	134,366	11,257
Brazil	2017	996,545	415,166	..	..	..	1,411,711	6,771
	2018	940,384	410,360	..	..	..	1,350,744	6,427
	2019	962,178	379,714	..	..	..	1,341,892	6,336
	2020	860,787	372,221	..	..	..	1,233,008	5,783
Chile	2017	47,932	163,040	8,236	..	610	202,125	11,004
	2018	48,866	160,701	6,270	..	377	202,920	10,850
	2019	59,692	187,447	..	..	2,155	244,984	12,867
	2020	45,717	176,962	..	..	-1,796	224,476	11,631
Colombia	2017	462,640	505	..	..	..	463,145	9,579
	2018	477,797	506	..	..	..	478,303	9,706
	2019	486,362	6,072	..	..	..	492,434	9,812
	2020	473,372	13,531	..	..	..	486,903	9,560
Cuba	2017	41,003	..	..	..	..	41,003	3,617
	2018	37,854	..	..	..	..	37,854	3,342
	2019	37,113	..	..	..	..	37,113	3,279
	2020	34,916	..	..	..	..	34,916	3,090
Curaçao	2017	..	*2,800	..	..	..	*2,800	*16,324
	2018	..	*2,100	..	..	..	*2,100	*11,368
	2019	..	0	..	..	..	0	0
	2020	..	..	..	..	..	..	..
Dominican Republic	2017	..	46,107	..	1,482	81	44,544	4,184
	2018	..	45,029	..	1,201	-581	44,409	4,125
	2019	..	52,335	..	1,596	523	50,217	4,615
	2020	..	53,237	..	3,040	559	49,638	4,513

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Ecuador	2017	31,188	..	..	..	..	31,188	1,868
	2018	27,591	..	..	..	..	27,591	1,622
	2019	24,637	..	..	..	..	24,637	1,421
	2020	20,929	..	..	..	..	20,929	1,190
Jamaica	2017	..	4,089	..	..	..	4,089	1,456
	2018	..	3,789	..	..	..	3,789	1,348
	2019	..	8,353	..	..	-1,277	9,630	3,422
	2020	..	26,338	..	..	155	26,183	9,283
Mexico	2017	1,237,433	1,661,018	662	..	-15,877	2,913,666	23,719
	2018	1,314,583	2,054,753	484	..	-13,452	3,382,304	27,274
	2019	1,285,121	1,908,243	436	..	-10,100	3,203,028	25,607
	2020	1,275,488	2,457,266	36	..	-7,693	3,740,411	29,686
Panama	2017	..	..	..	..	..	..	..
	2018	..	10,180	..	..	..	10,180	2,444
	2019	..	31,663	..	..	..	31,663	7,481
	2020	..	16,315	..	..	..	16,315	3,799
Peru	2017	523,266	..	229,363	..	..	293,903	9,299
	2018	514,329	..	210,406	..	..	303,923	9,437
	2019	542,941	..	224,255	..	..	318,686	9,709
	2020	487,281	..	219,514	..	..	267,767	8,040
Puerto Rico	2017	..	51,276	..	..	..	51,276	15,232
	2018	..	66,555	..	..	..	66,555	20,051
	2019	..	75,889	..	..	..	75,889	23,046
	2020	..	53,292	..	..	..	53,292	16,289
Suriname	2017	136	..	..	..	..	136	232
	2018	195	..	..	..	..	195	329
	2019	232	..	..	..	..	232	387
	2020	269	..	..	..	..	269	443
Trinidad and Tobago	2017	1,299,510	..	596,636	..	..	702,874	475,362
	2018	1,400,178	..	672,949	..	..	727,229	483,302
	2019	1,421,840	..	681,576	..	..	740,265	487,031
	2020	1,192,151	..	562,715	..	..	629,436	414,608
Uruguay	2017	..	2,451	..	..	..	2,451	716
	2018	..	2,311	..	..	..	2,311	674
	2019	..	3,384	..	..	..	3,384	987
	2020	..	2,505	..	..	..	2,505	730
Venezuela (Bolivar. Rep.)	2017	972,186	0	..	..	..	972,186	31,809
	2018	847,757	..	..	..	..	847,757	28,424
	2019	700,803	..	..	..	..	700,803	24,189
	2020	522,742	..	..	..	..	522,742	18,348
Northern America	2017	37,349,288	4,266,167	6,801,335	..	-376,545	35,190,665	96,026
	2018	40,504,944	4,015,685	7,071,566	..	-326,581	37,775,644	102,290
	2019	44,650,843	3,967,682	8,091,355	..	472,877	40,054,293	107,682
	2020	43,912,434	3,668,266	8,550,349	..	290,118	38,740,233	103,596
Canada	2017	7,440,401	990,926	3,338,603	..	-84,119	5,176,843	141,620
	2018	7,677,882	910,408	3,128,354	..	27,889	5,432,047	146,672
	2019	7,385,471	1,017,915	2,991,778	..	-58,449	5,470,057	145,780
	2020	7,209,027	923,050	2,769,347	..	126,365	5,236,365	138,204
United States	2017	29,908,887	3,275,241	3,462,732	..	-292,426	30,013,822	91,009
	2018	32,827,062	3,105,277	3,943,212	..	-354,470	32,343,597	97,379
	2019	37,265,372	2,949,767	5,099,577	..	531,326	34,584,236	103,447
	2020	36,703,407	2,745,216	5,781,002	..	163,753	33,503,868	99,731

Table 27

Production, trade and supply of natural gas

Terajoules and megajoules per capita

Country or area	Year	Production	Imports	Exports	Bunkers	Changes in stocks	Supply	
							Total	Per capita
Oceania	2017	4,805,261	206,519	3,339,243	..	-3,122	1,675,659	40,073
	2018	5,326,395	186,515	3,808,979	..	-6,830	1,710,761	40,217
	2019	6,187,365	201,980	4,590,118	..	-669	1,799,896	41,591
	2020	6,630,901	179,742	4,825,542	..	576	1,984,525	45,173
Australia	2017	4,106,758	206,519	2,858,040	..	..	1,455,236	59,179
	2018	4,707,645	186,515	3,379,971	..	..	1,514,188	60,618
	2019	5,486,983	201,980	4,095,657	..	..	1,593,307	62,835
	2020	5,923,572	179,742	4,338,571	..	..	1,764,744	68,747
New Zealand	2017	194,413	..	..	..	-3,122	197,535	41,619
	2018	172,251	..	..	..	-6,830	179,081	37,011
	2019	185,498	..	..	..	-669	186,167	37,541
	2020	181,094	..	..	..	576	180,518	35,668
Papua New Guinea	2017	504,091	..	481,203	..	..	22,888	2,511
	2018	446,499	..	429,007	..	..	17,492	1,875
	2019	514,883	..	494,461	..	..	20,422	2,140
	2020	526,234	..	486,971	..	..	39,263	4,027

Table 28

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

Terajoules

2019

Importers	Exporters							
	World	Algeria	Australia	Canada	Indonesia	Iran (Islamic Rep. of)	Kazakhstan	Malaysia
Argentina	226,780	..	..	..	..	..	..	..
Austria	547,204	..	..	..	..	..	..	..
Belarus	753,709	..	..	..	..	..	..	..
Belgium	894,029	..	..	..	..	..	..	..
Brazil	379,714	..	..	..	..	..	..	..
Canada	1,017,915	..	..	..	..	..	..	..
China	5,197,597	3,080	1,495,043	499	99,673	..	203,397	389,648
Czechia	365,476	..	..	..	..	..	..	..
France	2,275,007	157,091	..	..	..	..	..	..
Germany	3,520,265	..	..	..	..	..	..	..
Hungary	724,785	..	..	..	..	..	..	..
India	1,401,333	11,746	70,763	..	..	..	..	22,085
Italy	2,707,586	509,230	..	..	..	..	..	..
Japan	4,185,466	3,361	1,639,762	..	184,305	..	..	543,767
Kazakhstan	647,078	..	..	..	..	..	..	..
Korea, Republic of	2,241,985	..	418,774	..	120,847	..	..	268,306
Malaysia	345,084	..	79,198	..	24,231	..	..	..
Mexico	1,908,243	..	..	..	23,546	..	..	..
Netherlands	1,976,604	8,990	..	..	..	..	..	..
Poland	672,988	..	..	..	..	..	..	..
Portugal	245,615	18,163	..	..	..	..	..	..
Russian Federation	348,390	..	..	..	..	..	348,390	..
Singapore	424,860	494	109,299	..	121,159	..	..	37,600
Slovakia	259,722	..	..	..	..	..	..	..
Spain	1,506,011	498,221	..	..	..	..	..	..
Thailand	582,542	..	35,786	..	13,463	..	..	64,275
Türkiye	1,731,656	217,504	..	..	..	296,331	..	..
Ukraine	442,225	..	..	..	..	..	..	..
United Arab Emirates	878,129	..	7,509	..	..	..	..	..
United Kingdom	1,840,221	39,194	..	..	..	..	..	..
United States	2,949,767	..	..	2,889,099	..	..	..	..

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

Terajoules

2019

Exporters							
Netherlands	Nigeria	Norway	Qatar	Russian Federation	Trinidad and Tobago	Turkmenistan	United States
..	..	..	..	..	24,566	..	43,033
..
..	..	..	..	753,709	..	..	..
300,106	..	266,881	177,710	75,176	..	..	7,067
..	10,488	9,508	..	..	21,899	..	59,467
..	..	..	..	..	16,786	..	997,579
241	102,394	3,677	459,288	157,372	40,888	1,103,723	7,503
..	..	981	..	364,495	..	..	..
170,079	196,550	813,414	91,804	449,858	..	..	74,733
..	..	102,913	..	1,803,194	..	..	..
..	..	..	..	688,546	..	..	..
..	46,442	..	531,866	10,756	7,694	..	100,189
65,521	6,627	233,957	249,558	1,274,422	53,827	..	61,475
..	58,128	..	470,178	345,513	..	..	227,961
..	..	..	..	493,928	..	..	..
..	34,208	..	619,583	130,340	3,846	..	291,932
..	3,081	..	..	..	..	..	4,050
..	140,179	..	..	..	57,866	..	1,640,344
..	20,429	827,841	4,944	627,145	3,119	..	77,051
15	..	8,075	90,285	368,961	..	..	36,933
3,580	131,413	..	26,490	3,931	4,849	..	52,560
..
2,664	3,040	..	5,320	..	6,080	..	34,433
..	..	..	..	259,722	..	..	..
..	172,596	98,104	172,475	128,226	113,077	..	166,055
..	..	..	97,650	3,412	2,402	..	7,267
..	92,691	3,356	94,174	582,050	7,093	..	46,688
..
4,181	6,574	..	698,969	6,658	3,534	..	22,518
66,483	12,666	1,088,820	334,443	112,964	35,489	..	112,088
..	3,694	..	..	..	51,977	..	..

Table 28

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

Terajoules

2020

Importers	Exporters							
	World	Algeria	Australia	Canada	Indonesia	Iran (Islamic Rep. of)	Kazakhstan	Malaysia
Argentina	240,423	2,014	..	..	..	..	..	..
Austria	636,210	..	..	..	..	..	..	..
Belarus	696,631	..	..	..	..	..	..	..
Belgium	832,496	..	..	..	..	..	..	..
Brazil	372,221	..	..	..	..	..	..	..
Canada	923,050	..	..	..	..	..	..	..
China	5,451,039	3,067	1,611,745	222	276,414	..	150,989	331,803
Czechia	291,223	..	..	..	..	..	..	..
France	1,917,689	151,297	..	..	..	..	..	..
Germany	3,092,273	..	..	..	..	..	..	..
Hungary	473,860	..	..	..	..	..	..	..
India	1,363,015	10,351	45,488	..	..	..	..	..
Italy	2,529,567	575,992	..	..	..	..	..	..
Japan	4,178,883	..	1,556,579	..	117,074	..	..	572,933
Kazakhstan	510,912	..	..	..	..	..	..	..
Korea, Republic of	2,235,706	..	434,095	..	151,711	..	..	268,093
Malaysia	319,229	..	115,248	..	16,462	..	..	..
Mexico	2,457,266	..	425	9,476	1,624	..	..	..
Netherlands	1,993,689	..	..	..	..	..	..	..
Poland	673,201	..	..	..	..	..	..	..
Portugal	238,822	22,299	..	..	..	..	..	..
Russian Federation	343,522	..	..	..	..	..	343,522	..
Singapore	414,552	..	122,654	..	236,043	..	..	..
Slovakia	167,459	..	..	..	..	..	..	..
Spain	1,314,814	382,340	..	..	..	..	..	..
Thailand	581,639	..	42,849	..	10,602	..	..	49,298
Türkiye	1,843,399	213,474	..	..	..	203,817	..	..
Ukraine	287,471	..	..	..	..	..	..	..
United Arab Emirates	883,920	..	4,143	..	..	..	..	..
United Kingdom	1,721,478	1,755	..	..	..	..	..	..
United States	2,745,216	..	..	2,688,367	..	..	..	..

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

Terajoules

2020

Exporters							
Netherlands	Nigeria	Norway	Qatar	Russian Federation	Trinidad and Tobago	Turkmenistan	United States
..	..	..	32,985	4,097	12,925	..	18,854
..
..	..	..	..	696,631	..	..	..
286,130	..	341,284	98,579	55,470	..	..	22,962
..	1,577	..	..	..	13,540	..	122,443
..	..	..	..	..	34,018	..	889,032
..	131,042	..	438,562	349,286	9,694	960,087	234,584
..	..	..	..	291,223	..	..	..
144,572	142,881	695,390	28,990	324,908	..	..	46,930
359,135	..	642,701	..	2,045,449	..	..	..
..	..	..	..	450,167	..	..	..
..	151,235	..	566,078	33,759	25,800	..	136,113
34,829	6,888	281,841	264,570	1,094,083	6,282	..	66,838
..	81,367	..	499,066	349,737	..	..	337,569
..	..	..	..	473,976	..	4,565	..
..	18,312	..	514,479	108,129	3,691	..	329,300
..	3,029	..	..	..	..	..	..
..	967	..	..	..	3,055	..	2,440,520
..	13,506	725,965	9,081	604,022	11,675	..	96,550
27	3,095	13,397	90,041	368,989	3,016	..	38,872
..	128,452	3,263	5,504	23,164	3,267	..	45,077
..
..	..	..	19,170	2,640	3,036	..	31,009
..	..	..	..	143,086	..	..	..
..	159,104	65,918	116,093	137,090	86,691	..	205,621
..	9,669	..	109,805	..	6,247	..	35,693
..	72,050	3,281	124,415	619,688	24,280	..	114,026
..
..	10,714	..	723,467	10,831	6,697	..	11,062
39,861	13,276	958,160	348,854	88,685	40,284	..	192,381
..	8,088	3,455	..	..	43,506	..	..

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, 1990-2020

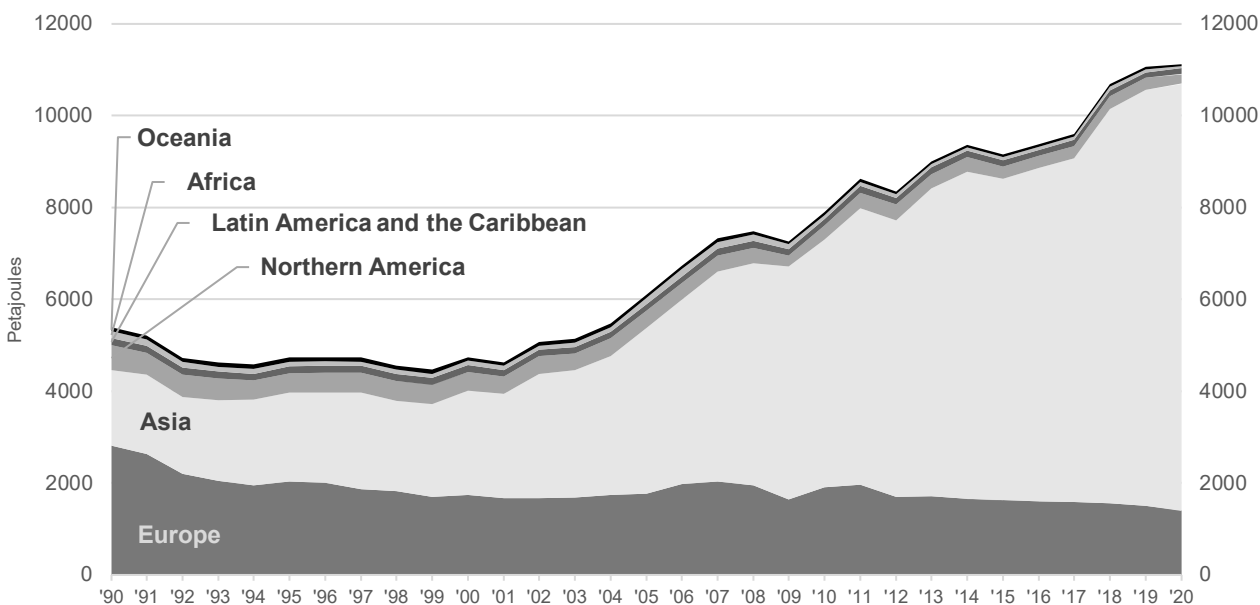


Figure 72: World production of manufactured and recovered gases by type, 2020

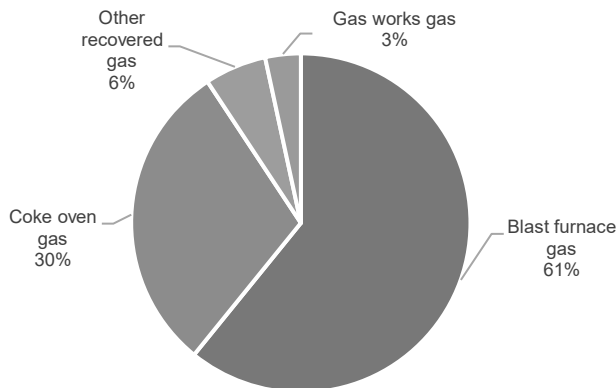


Table 29

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	2017	9,598,555	650,976	3,135,478	5,628,827	183,273
	2018	10,682,834	703,512	3,230,350	6,576,645	172,327
	2019	11,058,227	446,909	3,290,400	6,693,031	627,887
	2020	11,128,220	376,775	3,320,502	6,772,214	658,728
Africa	2017	76,369	21,688	23,969	30,712	..
	2018	80,680	22,812	25,355	32,513	..
	2019	67,640	20,600	21,110	25,930	..
	2020	42,933	13,748	12,496	16,689	..
Algeria	2017	3,614	..	..	3,614	..
	2018	5,844	..	..	5,844	..
	2019	5,108	..	..	5,108	..
	2020	2,536	..	..	2,536	..
Egypt	2017	4,268	131	..	4,137	..
	2018	4,764	88	..	4,676	..
	2019	2,825	128	..	2,697	..
	2020	4,152	15	..	4,137	..
South Africa	2017	67,775	21,557	23,257	22,961	..
	2018	69,208	22,724	24,491	21,993	..
	2019	58,780	20,472	20,183	18,125	..
	2020	34,933	13,733	11,184	10,016	..
Zimbabwe	2017	712	..	712	..	..
	2018	864	..	864	..	..
	2019	927	..	927	..	..
	2020	1,312	..	1,312	..	..
Asia	2017	7,491,244	550,352	2,233,550	4,605,547	101,796
	2018	8,577,580	599,543	2,355,480	5,521,938	100,618
	2019	9,048,361	354,562	2,448,030	5,688,877	556,892
	2020	9,292,416	293,726	2,529,420	5,875,525	593,745
China	2017	5,406,600	520,243	1,484,702	3,401,656	..
	2018	6,443,917	568,826	1,586,583	4,288,508	..
	2019	6,913,797	324,677	1,680,918	4,452,352	455,851
	2020	7,354,793	264,677	1,816,220	4,765,796	508,100
China, Hong Kong SAR	2017	29,049	29,049	..	..	..
	2018	29,550	29,550	..	..	..
	2019	28,712	28,712	..	..	..
	2020	27,947	27,947	..	..	..
India	2017	567,891	*1,060	*181,607	385,224	..
	2018	*620,684	*1,167	*193,217	*426,300	..
	2019	*639,222	*1,173	203,658	*434,391	..
	2020	*587,392	*1,102	*188,003	*398,287	..
Iran (Islamic Rep. of)	2017	24,809	..	9,782	15,027	..
	2018	24,915	..	9,815	15,099	..
	2019	24,847	..	8,674	16,173	..
	2020	24,815	..	8,834	15,982	..
Japan	2017	787,616	..	295,706	429,842	62,068
	2018	779,347	..	295,366	423,160	60,820
	2019	765,977	..	294,493	412,431	59,053
	2020	646,861	..	266,508	331,130	49,224
Kazakhstan	2017	43,921	..	17,490	26,431	..
	2018	39,530	..	16,668	22,862	..
	2019	35,479	..	14,455	21,025	..
	2020	32,370	..	12,135	20,234	..

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
Korea, Dem.Ppl's.Rep.	2017	1,645	..	..	1,645	..
	2018	1,222	..	..	1,222	..
	2019	1,026	..	..	1,026	..
	2020	1,067	..	..	1,067	..
Korea, Republic of	2017	400,458	..	153,969	217,678	28,812
	2018	401,861	..	157,103	215,927	28,831
	2019	407,029	..	149,818	225,779	31,432
	2020	387,939	..	142,777	219,137	26,025
Other Asia	2017	138,256	..	57,186	70,153	10,917
	2018	144,239	..	60,470	72,802	10,967
	2019	143,456	..	60,468	72,432	10,556
	2020	137,999	..	58,643	68,958	10,397
Philippines	2017	3,313	..	..	3,313	..
	2018	3,466	..	..	3,466	..
	2019	3,010	..	..	3,010	..
	2020	2,931	..	..	2,931	..
Syrian Arab Republic	2017	3	..	..	3	..
	2018	3	..	..	3	..
	2019	3	..	..	3	..
	2020	3	..	..	3	..
Thailand	2017	622	..	..	622	..
	2018	589	..	..	589	..
	2019	390	..	..	390	..
	2020	..	..	..	..	..
Türkiye	2017	87,062	..	33,109	53,953	..
	2018	88,258	..	36,258	52,000	..
	2019	85,411	..	35,546	49,865	..
	2020	88,300	..	36,300	52,000	..
Europe	2017	1,581,387	17,333	672,437	810,439	81,178
	2018	1,560,056	17,159	635,124	836,360	71,412
	2019	1,508,564	15,917	620,018	801,937	70,692
	2020	1,399,911	11,875	599,915	723,408	64,713
Austria	2017	45,236	..	10,154	30,765	4,317
	2018	38,954	..	10,321	25,239	3,393
	2019	41,769	..	10,428	27,616	3,725
	2020	39,647	..	10,217	25,967	3,462
Belgium	2017	37,903	..	10,062	24,077	3,765
	2018	37,292	..	10,020	23,607	3,665
	2019	37,978	..	9,906	24,319	3,754
	2020	30,070	..	8,921	18,252	2,896
Bosnia and Herzegovina	2017	10,724	..	6,527	4,197	..
	2018	12,246	..	7,632	4,614	..
	2019	12,060	..	6,978	5,082	..
	2020	10,020	..	6,285	3,735	..
Czechia	2017	59,003	15,177	20,320	18,064	5,442
	2018	60,382	13,932	20,673	19,796	5,982
	2019	55,016	12,670	18,950	17,571	5,824
	2020	49,084	9,265	18,063	17,847	3,910
Estonia	2017	13,790	2,156	11,634	..	..
	2018	14,132	3,228	10,905	..	..
	2019	14,370	3,247	11,123	..	..
	2020	13,707	2,610	11,096	..	..

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
Finland	2017	22,678	..	8,197	11,071	3,410
	2018	23,649	..	8,277	11,526	3,846
	2019	20,213	..	7,719	8,413	4,081
	2020	20,136	..	7,095	9,048	3,993
France	2017	87,583	..	28,143	50,502	8,938
	2018	86,218	..	..	86,218	..
	2019	81,667	..	..	81,667	..
	2020	62,309	..	..	62,309	..
Germany	2017	254,151	..	68,044	162,818	23,289
	2018	250,530	..	64,646	160,885	24,999
	2019	241,116	..	64,151	151,471	25,494
	2020	204,447	..	58,300	125,509	20,638
Hungary	2017	16,996	..	9,126	7,870	..
	2018	17,669	..	9,109	8,560	..
	2019	15,242	..	8,162	7,080	..
	2020	13,787	..	7,386	6,401	..
Italy	2017	35,981	..	15,132	16,990	3,859
	2018	34,808	..	15,150	18,007	1,651
	2019	33,246	..	14,586	17,071	1,590
	2020	23,857	..	11,506	10,825	1,526
Netherlands	2017	54,912	..	17,917	36,995	..
	2018	54,663	..	18,118	36,545	..
	2019	51,719	..	17,657	34,062	..
	2020	48,690	..	17,093	31,597	..
Norway	2017	4,012	..	..	4,012	..
	2018	4,197	..	..	4,197	..
	2019	3,611	..	..	3,611	..
	2020	3,064	..	..	3,064	..
Poland	2017	107,602	..	76,852	27,164	3,585
	2018	107,821	..	78,254	26,377	3,191
	2019	102,427	..	74,779	24,327	3,322
	2020	88,378	..	65,419	19,443	3,516
Romania	2017	9,408	..	..	9,408	..
	2018	10,137	..	..	10,137	..
	2019	10,354	..	..	10,354	..
	2020	9,743	..	..	9,743	..
Russian Federation	2017	490,758	..	262,407	228,351	..
	2018	481,163	..	261,597	219,566	..
	2019	477,585	..	260,383	217,202	..
	2020	483,271	..	262,669	220,602	..
Serbia	2017	10,609	..	..	10,609	..
	2018	12,281	..	..	12,281	..
	2019	12,231	..	..	12,231	..
	2020	8,310	..	..	8,310	..
Slovakia	2017	39,567	..	12,688	22,124	4,755
	2018	40,606	..	13,427	22,696	4,483
	2019	31,861	..	11,619	17,065	3,177
	2020	27,117	..	9,640	14,880	2,597
Spain	2017	30,325	..	10,927	19,398	..
	2018	30,055	..	10,510	19,545	..
	2019	26,696	..	9,424	17,272	..
	2020	18,514	..	5,513	13,001	..

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	2017	23,856	..	8,890	12,974	1,992
	2018	21,732	..	7,692	12,149	1,891
	2019	22,895	..	8,096	13,448	1,351
	2020	22,710	..	7,926	13,159	1,625
Ukraine	2017	177,103	..	81,374	77,902	17,827
	2018	175,545	..	75,559	81,674	18,312
	2019	168,849	..	72,116	78,358	18,375
	2020	177,229	..	80,030	76,648	20,550
United Kingdom	2017	49,190	..	14,042	35,148	..
	2018	45,975	..	13,234	32,741	..
	2019	47,658	..	13,941	33,717	..
	2020	45,822	..	12,755	33,067	..
Latin America & Carib.	2017	132,713	3,546	97,512	31,655	..
	2018	133,340	3,392	99,758	30,189	..
	2019	120,464	3,261	89,960	27,242	..
	2020	130,611	3,300	85,037	42,274	..
Argentina	2017	12,411	..	4,312	8,099	..
	2018	13,374	..	4,788	8,586	..
	2019	10,470	..	3,276	7,194	..
	2020	24,032	..	3,592	20,440	..
Brazil	2017	77,783	..	77,783	..	..
	2018	80,329	..	80,329	..	..
	2019	73,223	..	73,223	..	..
	2020	67,308	..	67,308	..	..
Chile	2017	6,425	79	3,456	2,890	..
	2018	6,727	73	3,745	2,909	..
	2019	6,944	..	3,772	3,172	..
	2020	7,048	..	3,676	3,372	..
Colombia	2017	2,328	..	1,308	1,020	..
	2018	2,220	..	1,189	1,031	..
	2019	2,570	..	1,531	1,040	..
	2020	1,583	..	762	821	..
Cuba	2017	3,473	3,467	..	6	..
	2018	3,333	3,319	..	14	..
	2019	3,275	3,261	..	14	..
	2020	3,311	3,300	..	11	..
Mexico	2017	30,293	..	10,653	19,640	..
	2018	27,357	..	9,707	17,650	..
	2019	23,981	..	8,158	15,823	..
	2020	27,330	..	9,700	17,630	..
Northern America	2017	264,358	58,012	82,120	124,226	..
	2018	281,750	60,567	89,617	131,566	..
	2019	264,405	52,531	86,408	125,466	..
	2020	213,822	54,087	67,995	91,740	..
Canada	2017	43,992	..	22,057	21,935	..
	2018	46,322	..	24,703	21,619	..
	2019	44,009	..	23,969	20,040	..
	2020	42,243	..	22,789	19,454	..
United States	2017	220,366	58,012	60,063	102,291	..
	2018	235,428	60,567	64,914	109,947	..
	2019	220,396	52,531	62,439	105,426	..
	2020	171,579	54,087	45,206	72,286	..

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
Oceania	2017	52,484	45	25,891	26,249	299
	2018	49,429	38	25,016	24,078	296
	2019	48,793	38	24,874	23,578	303
	2020	48,526	39	25,639	22,577	271
Australia	2017	40,718	45	21,506	19,167	..
	2018	38,161	38	20,687	17,436	..
	2019	35,774	38	19,023	16,713	..
	2020	36,675	39	20,169	16,467	..
New Zealand	2017	11,766	..	4,385	7,082	299
	2018	11,268	..	4,329	6,642	296
	2019	13,019	..	5,851	6,865	303
	2020	11,851	..	5,470	6,110	271

Net installed capacity of electric plants - by type

Megawatts

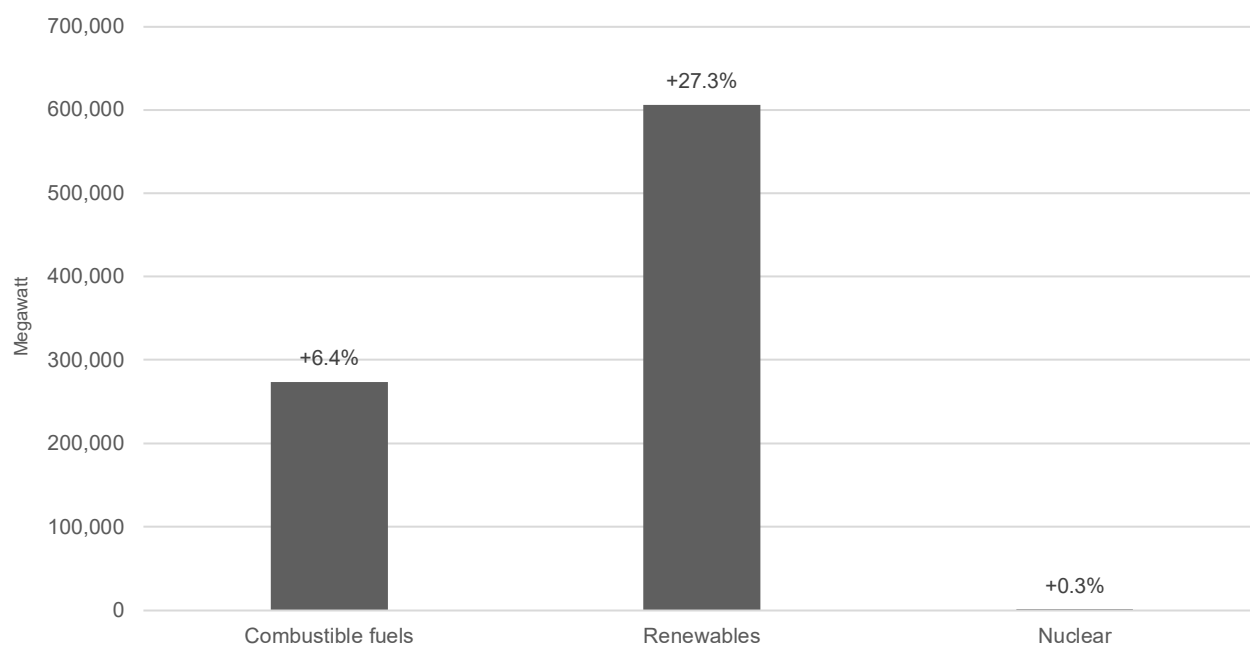
Table Notes

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, 2017-2020



* 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	2017	6,896,649	4,279,846	1,266,166	398,782	519,764	400,486	31,606
	2018	7,179,120	4,394,735	1,286,983	406,291	567,485	487,859	35,767
	2019	7,432,916	4,475,474	1,307,713	404,823	624,030	583,277	37,599
	2020	7,776,863	4,553,020	1,329,425	400,008	733,680	718,004	42,726
Africa	2017	210,646	164,060	35,132	1,940	4,819	3,595	1,100
	2018	225,704	176,178	36,134	1,940	5,495	4,882	1,075
	2019	234,978	183,338	36,539	1,940	5,750	6,090	1,321
	2020	239,283	184,515	38,051	1,940	6,527	6,894	1,356
Algeria	2017	19,555	18,892	228	..	10	425	..
	2018	21,166	20,480	228	..	10	448	..
	2019	*21,653	*20,967	228	..	10	448	..
	2020	*21,653	*20,967	*228	..	*10	*448	..
Angola	2017	*4,422	*2,067	*2,342	..	..	13	..
	2018	5,010	*2,298	2,699	..	..	13	..
	2019	*6,156	*3,444	2,699	..	..	13	..
	2020	7,252	*3,510	3,729	..	..	13	..
Benin	2017	*383	*312	*66	..	..	5	..
	2018	*383	*312	*66	..	..	5	..
	2019	*512	*439	*66	..	..	7	..
	2020	*512	*439	*66	..	..	7	..
Botswana	2017	755	752	..	..	..	3	..
	2018	799	795	..	..	..	4	..
	2019	766	760	..	..	..	6	..
	2020	738	732	..	..	..	6	..
Burkina Faso	2017	329	293	32	..	..	*4	..
	2018	349	293	32	..	..	*24	..
	2019	390	295	32	..	..	62	..
	2020	445	351	32	..	..	62	..
Burundi	2017	71	*18	48	..	..	5	..
	2018	88	35	48	..	..	5	..
	2019	88	*35	48	..	..	5	..
	2020	88	*35	48	..	..	5	..
Cabo Verde	2017	182	148	..	..	27	8	..
	2018	179	148	..	..	24	7	..
	2019	187	156	..	..	24	7	..
	2020	180	144	..	..	28	8	..
Cameroon	2017	2,054	*1,265	777	..	..	12	..
	2018	1,664	*918	732	..	..	14	..
	2019	1,744	*918	812	..	..	14	..
	2020	1,749	*923	812	..	..	14	..
Central African Rep.	2017	*44	*19	*25	..	..	0	..
	2018	*44	*19	*25	..	..	0	..
	2019	*44	*19	*25	..	..	0	..
	2020	*44	*19	*25	..	..	0	..
Chad	2017	*87	*86	..	..	1	..	..
	2018	*87	*86	..	..	1	..	..
	2019	*87	*86	..	..	1	..	..
	2020	*87	*86	..	..	1	..	..
Comoros	2017	*35	*34	1	..	..	..	..
	2018	*35	*34	1	..	..	..	..
	2019	*35	*34	1	..	..	..	..
	2020	*35	*34	1	..	..	..	..
Congo	2017	*660	*445	214	..	..	1	..
	2018	*660	*445	214	..	..	1	..
	2019	*660	*445	214	..	..	1	..
	2020	*830	*615	214	..	..	1	..

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
572,206	429,572	19,301	123,333	6,324,443	3,850,274	1,246,865	398,782	828,523
625,271	464,400	21,204	139,667	6,553,849	3,930,335	1,265,779	406,291	951,444
670,155	489,219	21,373	159,563	6,762,761	3,986,255	1,286,340	404,823	1,085,343
682,373	473,700	21,690	186,982	7,094,490	4,079,319	1,307,735	400,008	1,307,428
25,282	19,461	680	5,141	185,364	144,600	34,452	1,940	4,373
28,476	21,750	702	6,024	197,227	154,428	35,432	1,940	5,427
28,635	22,254	747	5,634	206,343	161,084	35,792	1,940	7,528
29,024	22,332	747	5,945	210,260	162,184	37,304	1,940	8,832
4,314	4,314	..	..	15,241	14,578	228	..	435
6,079	6,079	..	..	15,087	14,401	228	..	458
*6,567	*6,567	..	..	*15,086	*14,400	228	..	458
*6,567	*6,567	..	..	*15,086	*14,400	*228	..	*458
*250	*250	..	..	*4,172	*1,817	*2,342	..	13
*250	*250	..	..	4,760	*2,048	2,699	..	13
*300	*300	..	..	*5,856	*3,144	2,699	..	13
*310	*310	..	..	6,942	*3,200	3,729	..	13
*45	*45	..	..	*338	*267	*66	..	5
*45	*45	..	..	*338	*267	*66	..	5
*47	*45	..	2	*465	*394	*66	..	5
*47	*45	..	2	*465	*394	*66	..	5
20	20	..	..	735	732	..	..	3
..	..	..	..	799	795	..	..	4
..	..	..	..	766	760	..	..	6
..	..	..	..	738	732	..	..	6
..	..	..	..	329	293	32	..	*4
..	..	..	..	349	293	32	..	*24
..	..	..	..	390	295	32	..	62
..	..	..	..	445	351	32	..	62
4	4	..	..	67	*14	48	..	5
4	4	..	..	84	31	48	..	5
4	4	..	..	84	*31	48	..	5
4	4	..	..	84	*31	48	..	5
*1	*1	..	..	182	147	..	..	35
*1	*1	..	..	178	147	..	..	31
*1	*1	..	..	186	155	..	..	31
*1	*1	..	..	179	143	..	..	36
*650	*650	..	..	1,404	615	777	..	12
*650	*650	..	..	1,014	268	732	..	14
*650	*650	..	..	1,094	268	812	..	14
*650	*650	..	..	1,099	273	812	..	14
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*44	*19	*25	..	0
..	..	..	..	*87	*86	..	..	1
..	..	..	..	*87	*86	..	..	1
..	..	..	..	*87	*86	..	..	1
..	..	..	..	*87	*86	..	..	1
1	..	1	..	*34	*34	..	..	..
1	..	1	..	*34	*34	..	..	..
1	..	1	..	*34	*34	..	..	..
1	..	1	..	*34	*34	..	..	..
*404	*404	..	..	256	*41	214	..	1
*404	*404	..	..	256	*41	214	..	1
*404	*404	..	..	256	*41	214	..	1
*574	*574	..	..	256	*41	214	..	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
Côte d'Ivoire	2017	2,203	1,316	879	..	..	8	..
	2018	2,192	1,305	879	..	..	8	..
	2019	2,233	1,346	879	..	..	8	..
	2020	2,242	1,350	879	..	..	13	..
Dem. Rep. of the Congo	2017	3,120	122	2,998	..	..	..	..
	2018	3,179	155	3,005	..	..	19	..
	2019	*3,197	*162	*3,015	..	..	20	..
	2020	*3,197	*162	*3,015	..	..	20	..
Djibouti	2017	130	130	..	..	..	0	..
	2018	130	130	..	..	..	0	..
	2019	130	130	..	..	..	0	..
	2020	130	130	..	..	..	0	..
Egypt	2017	47,056	43,369	2,800	..	747	140	..
	2018	56,574	52,585	2,832	..	967	190	..
	2019	58,353	53,394	2,832	..	1,127	1,000	..
	2020	59,530	53,802	2,832	..	1,385	1,511	..
Equatorial Guinea	2017	554	222	327	..	..	5	..
	2018	*554	*222	*327	..	..	*5	..
	2019	*554	*222	*327	..	..	*5	..
	2020	*554	*222	*327	..	..	*5	..
Eritrea	2017	*216	*205	..	..	1	10	..
	2018	*224	*205	..	..	1	18	..
	2019	*226	*205	..	..	1	20	..
	2020	*230	*207	..	..	1	22	..
Eswatini	2017	*185	*115	*70	..	..	0	..
	2018	189	119	*70	..	..	0	..
	2019	181	109	*70	..	..	*2	..
	2020	*179	*107	*70	..	..	*2	..
Ethiopia	2017	4,284	127	3,814	..	324	12	7
	2018	4,286	130	3,814	..	324	11	7
	2019	4,293	134	3,817	..	324	11	7
	2020	4,556	*134	4,071	..	324	20	7
Gabon	2017	533	359	173	..	..	*1	..
	2018	751	418	332	..	..	*1	..
	2019	*784	*451	332	..	..	*1	..
	2020	*784	*451	332	..	..	*1	..
Gambia	2017	*121	*118	..	..	1	2	..
	2018	*126	*123	..	..	1	*2	..
	2019	*137	*134	..	..	1	*2	..
	2020	141	138	..	..	*1	*2	..
Ghana	2017	4,609	3,006	1,580	..	..	23	0
	2018	5,099	3,476	1,580	..	..	43	0
	2019	5,382	3,759	1,580	..	..	43	0
	2020	5,288	3,649	1,580	..	..	59	0
Guinea	2017	610	*243	367	..	..	..	..
	2018	615	*248	367	..	..	..	..
	2019	621	*254	367	..	..	..	..
	2020	962	*375	587	..	..	..	..
Guinea-Bissau	2017	*27	*26	..	..	..	1	..
	2018	*27	*26	..	..	..	1	..
	2019	*28	*27	..	..	..	1	..
	2020	*28	*27	..	..	..	1	..
Kenya	2017	2,321	816	826	..	26	1	652
	2018	3,043	1,209	821	..	336	51	627
	2019	3,155	1,113	826	..	336	51	828
	2020	3,173	1,087	834	..	336	53	863

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	..	..	2,180	1,293	879	..	8
*23	*23	..	..	2,169	1,282	879	..	8
*23	*23	..	..	2,210	1,323	879	..	8
*23	*23	..	..	2,219	1,327	879	..	13
581	93	488	..	2,539	29	2,510	..	..
601	123	478	..	2,578	32	2,527	..	19
618	*130	488	..	*2,579	*32	*2,527	..	20
618	*130	488	..	*2,579	*32	*2,527	..	20
..	..	..	..	130	130	..	..	0
..	..	..	..	130	130	..	..	0
..	..	..	..	130	130	..	..	0
..	..	..	..	130	130	..	..	0
2,048	2,048	..	..	45,008	41,321	2,800	..	887
2,048	2,048	..	..	54,526	50,537	2,832	..	1,157
2,048	2,048	..	..	56,305	51,346	2,832	..	2,127
2,048	2,048	..	..	57,482	51,754	2,832	..	2,896
..	..	..	..	554	222	327	..	5
..	..	..	..	*554	*222	*327	..	*5
..	..	..	..	*554	*222	*327	..	*5
..	..	..	..	*554	*222	*327	..	*5
*10	*10	..	..	*206	*195	..	..	11
*10	*10	..	..	*214	*195	..	..	19
*10	*10	..	..	*216	*195	..	..	21
*12	*12	..	..	*218	*195	..	..	23
*107	*106	*1	0	*79	*10	*69	..	..
110	109	*1	0	*79	*10	*69	..	..
112	109	*1	*2	*69	..	*69	..	..
*110	*107	*1	*2	*69	..	*69	..	..
23	23	..	..	4,261	104	3,814	..	343
26	26	..	..	4,260	104	3,814	..	342
30	30	..	..	4,263	104	3,817	..	342
30	30	..	..	4,526	*104	4,071	..	351
*73	*70	*2	*1	460	289	171	..	..
88	85	*2	*1	663	333	330	..	..
*88	*85	*2	*1	*696	*366	330	..	..
*88	*85	*2	*1	*696	*366	330	..	..
*36	*36	..	..	*86	*82	..	..	3
*36	*36	..	..	*90	*87	..	..	*3
*36	*36	..	..	*101	*98	..	..	*3
*36	*36	..	..	105	102	..	..	*3
*210	*210	..	..	4,399	2,796	1,580	..	23
*210	*210	..	..	4,889	3,266	1,580	..	43
*210	*210	..	..	5,172	3,549	1,580	..	43
..	..	..	..	5,288	3,649	1,580	..	59
*150	*150	..	..	460	*93	367	..	..
*148	*148	..	..	467	*100	367	..	..
*150	*150	..	..	471	*104	367	..	..
*271	*271	..	..	691	*104	587	..	..
*6	*6	..	..	*22	*21	..	..	1
*5	*5	..	..	*22	*21	..	..	1
*5	*5	..	..	*22	*21	..	..	1
*5	*5	..	..	*22	*21	..	..	1
*50	*50	..	..	2,271	766	826	..	679
364	364	..	..	2,679	845	821	..	1,014
364	364	..	..	2,791	749	826	..	1,216
338	338	..	..	2,835	749	834	..	1,252

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	2017	75	*1	74	..	..	0	..
	2018	75	1	74	..	..	0	..
	2019	75	1	74	..	..	0	..
	2020	75	1	74	..	..	0	..
Liberia	2017	*194	*100	*92	..	..	*2	..
	2018	*195	*100	*92	..	..	*3	..
	2019	*195	*100	*92	..	..	*3	..
	2020	185	*102	80	..	..	*3	..
Libya	2017	10,243	10,238	..	..	..	5	..
	2018	10,516	10,511	..	..	..	5	..
	2019	10,516	10,511	..	..	..	5	..
	2020	*10,516	*10,511	..	..	..	*5	..
Madagascar	2017	721	542	166	..	0	13	..
	2018	706	521	165	..	0	20	..
	2019	592	407	165	..	0	20	..
	2020	*649	*465	164	..	0	*20	..
Malawi	2017	586	*211	356	..	..	19	..
	2018	590	*211	356	..	..	23	..
	2019	590	*211	356	..	..	23	..
	2020	609	*211	374	..	..	24	..
Mali	2017	*1,029	*560	*450	..	..	19	..
	2018	*1,029	*560	*450	..	..	19	..
	2019	*1,030	*560	*450	..	..	20	..
	2020	*1,113	*560	*453	..	..	100	..
Mauritania	2017	*506	*421	..	..	35	50	..
	2018	*570	*449	..	..	34	87	..
	2019	*608	*486	..	..	34	88	..
	2020	*626	*504	..	..	34	88	..
Mauritius	2017	835	732	60	..	11	29	3
	2018	873	732	60	..	11	67	3
	2019	844	681	60	..	11	89	3
	2020	862	681	61	..	11	106	3
Morocco	2017	12,555	9,128	1,770	..	1,045	205	*407
	2018	12,785	9,151	1,770	..	1,196	261	*407
	2019	14,412	10,276	1,770	..	1,248	711	*407
	2020	14,432	10,046	1,770	..	1,458	751	*407
Mozambique	2017	2,618	*399	2,204	..	..	15	..
	2018	2,683	*424	2,204	..	..	55	..
	2019	2,753	*454	2,204	..	..	95	..
	2020	2,753	*454	2,204	..	..	95	..
Namibia	2017	565	143	347	..	5	70	..
	2018	582	143	347	..	5	88	..
	2019	600	113	347	..	5	135	..
	2020	610	113	347	..	5	145	..
Niger	2017	290	281	..	..	..	9	..
	2018	311	291	..	..	..	20	..
	2019	*324	*297	..	..	..	27	..
	2020	*324	*297	..	..	..	27	..
Nigeria	2017	*12,275	*10,142	*2,111	..	3	19	..
	2018	*12,275	*10,142	*2,111	..	3	19	..
	2019	11,681	9,539	*2,111	..	3	28	..
	2020	12,004	9,862	*2,111	..	*3	28	..
Rwanda	2017	209	111	86	..	..	12	..
	2018	226	121	92	..	..	12	..
	2019	228	122	95	..	..	12	..
	2020	238	122	105	..	..	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
..	..	..	..	75	*1	74	..	0
..	..	..	..	75	1	74	..	0
..	..	..	..	75	1	74	..	0
..	..	..	..	75	1	74	..	0
*72	*70	..	*2	*122	*30	*92	..	..
*73	*70	..	*3	*122	*30	*92	..	..
*73	*70	..	*3	*122	*30	*92	..	..
*73	*70	..	*3	112	32	80	..	..
..	..	..	..	10,243	10,238	..	..	5
..	..	..	..	10,516	10,511	..	..	5
..	..	..	..	10,516	10,511	..	..	5
..	..	..	..	*10,516	*10,511	..	..	*5
*106	*106	..	..	615	436	166	..	13
*108	*108	..	..	598	413	165	..	20
*106	*106	..	..	486	301	165	..	20
*102	*102	..	..	*547	*363	164	..	*20
*215	*210	*5	..	371	*1	351	..	19
*215	*210	*5	..	375	*1	351	..	23
*215	*210	*5	..	375	*1	351	..	23
*215	*210	*5	..	394	*1	369	..	24
*277	*260	..	17	*752	*300	*450	..	*2
*277	*260	..	17	*752	*300	*450	..	*2
*279	*260	..	19	*751	*300	*450	..	*1
*330	*260	..	70	*783	*300	*453	..	*30
*80	*80	..	..	*426	*341	..	..	85
*85	*85	..	..	*485	*364	..	..	121
*90	*90	..	..	*518	*396	..	..	122
*95	*95	..	..	*531	*409	..	..	122
319	281	..	38	516	450	60	..	5
357	281	..	76	516	450	60	..	5
329	230	..	98	516	450	60	..	5
346	230	..	116	516	450	61	..	5
*3,728	*3,300	..	*428	8,827	5,828	1,770	..	1,229
*3,728	*3,300	..	*428	9,057	5,851	1,770	..	1,436
*3,728	*3,300	..	*428	10,684	6,976	1,770	..	1,938
*3,728	*3,300	..	*428	10,704	6,746	1,770	..	2,188
14	14	..	..	2,604	*385	2,204	..	15
14	14	..	..	2,669	*410	2,204	..	55
14	14	..	..	2,739	*440	2,204	..	95
14	14	..	..	2,739	*440	2,204	..	95
..	..	..	..	565	143	347	..	75
..	..	..	..	582	143	347	..	93
..	..	..	..	600	113	347	..	140
..	..	..	..	610	113	347	..	150
62	53	..	9	228	228	..	..	..
73	53	..	20	238	238	..	..	..
*80	*53	..	27	*244	*244	..	..	..
*80	*53	..	27	*244	*244	..	..	..
*3,242	*3,180	*40	22	*9,033	*6,962	*2,071	..	..
*3,242	*3,180	*40	22	*9,033	*6,962	*2,071	..	..
*3,251	*3,180	*40	31	8,430	6,359	*2,071	..	..
*3,251	*3,180	*40	31	8,753	6,682	*2,071	..	..
*1	*1	..	..	208	110	86	..	12
*1	*1	..	..	225	120	92	..	12
*1	*1	..	..	227	121	95	..	12
*1	*1	..	..	237	121	105	..	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	2017	*29	*26	2	..	..	0	..
	2018	*29	*26	2	..	..	0	..
	2019	*30	*27	2	..	..	0	..
	2020	*30	*27	2	..	..	0	..
Senegal	2017	1,016	884	..	..	..	102	30
	2018	1,174	1,001	..	..	..	143	*30
	2019	1,432	1,141	..	..	50	*166	*75
	2020	*1,546	*1,141	..	..	159	*171	*75
Seychelles	2017	154	146	..	..	7	2	..
	2018	*156	*146	..	..	6	4	..
	2019	*157	*147	..	..	6	4	..
	2020	143	133	..	..	6	4	..
Sierra Leone	2017	*143	*79	60	..	..	4	..
	2018	*142	*77	61	..	..	4	..
	2019	143	78	61	..	..	4	..
	2020	99	*34	61	..	..	4	..
Somalia	2017	90	80	..	..	4	7	..
	2018	91	80	..	..	4	7	..
	2019	91	80	..	..	4	7	..
	2020	99	80	..	..	4	16	..
South Africa	2017	*55,432	*45,497	3,479	1,940	*2,330	2,186	..
	2018	*56,205	*45,497	3,479	1,940	*2,330	2,959	..
	2019	*58,683	*48,380	*3,479	1,940	*2,323	2,561	..
	2020	*58,882	*48,380	*3,485	1,940	*2,516	2,561	..
South Sudan	2017	*131	*120	*3	..	..	*8	..
	2018	*131	*120	*3	..	..	*8	..
	2019	*131	*120	*3	..	..	*8	..
	2020	*131	*120	*3	..	..	*8	..
St. Helena and Depend.	2017	11	8	..	..	*3	1	..
	2018	12	8	..	..	3	2	..
	2019	12	8	..	..	*3	*2	..
	2020	12	8	..	..	*3	*2	..
Sudan	2017	3,802	2,013	1,753	..	..	36	..
	2018	3,979	2,013	1,907	..	..	59	..
	2019	3,937	*1,944	1,913	..	..	80	..
	2020	3,944	*1,944	1,883	..	..	117	..
Togo	2017	227	158	67	..	..	3	..
	2018	227	157	67	..	..	4	..
	2019	230	158	67	..	..	5	..
	2020	*257	*185	67	..	..	5	..
Tunisia	2017	5,085	4,734	62	..	240	49	..
	2018	4,840	4,474	62	..	240	64	..
	2019	5,926	5,539	62	..	240	85	..
	2020	6,249	5,820	62	..	240	127	..
Uganda	2017	912	178	712	..	..	22	..
	2018	984	198	744	..	..	42	..
	2019	1,255	199	1,004	..	..	52	..
	2020	1,270	197	1,011	..	..	62	..
United Rep. of Tanzania	2017	1,412	829	562	..	..	22	..
	2018	1,607	1,015	567	..	..	25	..
	2019	1,530	931	574	..	..	26	..
	2020	*1,608	*1,000	574	..	2	*32	..
Zambia	2017	2,931	532	2,398	..	..	0	..
	2018	2,933	533	2,398	..	..	1	..
	2019	3,016	528	2,399	..	..	89	..
	2020	3,046	558	2,399	..	..	89	..

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
..	..	..	..	*29	*26	2	..	0
..	..	..	..	*29	*26	2	..	0
..	..	..	..	*30	*27	2	..	0
..	..	..	..	*30	*27	2	..	0
*462	*330	..	132	554	554	..	..	..
503	330	..	173	671	671	..	..	..
461	330	..	*131	971	811	..	..	*160
*463	*330	..	*133	*1,083	*811	..	..	272
*29	*29	..	..	125	116	..	..	9
*29	*29	..	..	*126	*116	..	..	10
*29	*29	..	..	*128	*118	..	..	10
*29	*29	..	..	114	104	..	..	10
2	2	..	..	*141	*77	60	..	4
2	2	..	..	*140	*75	61	..	4
2	2	..	..	141	76	61	..	4
2	2	..	..	97	*32	61	..	4
..	..	..	..	90	80	..	..	10
..	..	..	..	91	80	..	..	11
..	..	..	..	91	80	..	..	11
..	..	..	..	99	80	..	..	19
*6,877	*2,400	61	*4,416	*48,555	*43,097	3,418	1,940	100
*7,650	*2,400	*61	5,189	*48,555	*43,097	3,418	1,940	*100
*7,245	*2,400	*61	4,784	*51,438	*45,980	*3,418	1,940	*100
*7,438	*2,400	*61	4,977	*51,444	*45,980	*3,424	1,940	*100
*41	*40	..	*1	*90	*80	*3	..	*7
*41	*40	..	*1	*90	*80	*3	..	*7
*41	*40	..	*1	*90	*80	*3	..	*7
*41	*40	..	*1	*90	*80	*3	..	*7
..	..	..	..	11	8	..	..	*3
..	..	..	..	12	8	..	..	4
..	..	..	..	12	8	..	..	*4
..	..	..	..	12	8	..	..	*4
199	199	..	..	3,603	1,814	1,753	..	36
199	199	..	..	3,780	1,814	1,907	..	59
*199	*199	..	..	3,738	*1,745	1,913	..	80
*199	*199	..	..	3,745	*1,745	1,883	..	117
*11	*8	..	3	217	150	67	..	..
*12	*8	..	4	216	149	67	..	..
*13	*8	..	5	217	150	67	..	..
*13	*8	..	5	*244	*177	67	..	..
*247	*198	..	49	4,838	4,536	62	..	240
*262	*198	..	64	4,578	4,276	62	..	240
*273	*198	..	75	5,653	5,341	62	..	250
*315	*198	..	117	5,934	5,622	62	..	250
160	76	82	*1	752	102	630	..	21
211	96	114	*1	772	102	630	..	41
248	97	149	*1	1,007	102	855	..	51
246	96	149	1	1,023	101	862	..	61
54	32	..	22	1,358	796	562	..	..
211	186	..	25	1,396	829	567	..	..
*212	*186	..	26	1,318	745	574	..	..
*230	*198	..	*32	*1,378	*802	574	..	2
*34	*34	..	..	2,896	498	2,398	..	0
*34	*34	..	..	2,898	499	2,398	..	1
*34	*34	..	..	2,981	494	2,399	..	89
*34	*34	..	..	3,011	524	2,399	..	89

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	2017	2,021	1,265	750	..	..	6	..
	2018	2,326	1,265	1,050	..	..	11	..
	2019	*2,363	*1,265	1,081	..	..	17	..
	2020	*2,364	*1,265	1,081	..	..	18	..
Asia	2017	3,506,541	2,355,659	576,001	111,922	217,504	225,673	19,782
	2018	3,692,896	2,436,029	588,560	118,698	240,272	288,261	21,078
	2019	3,859,447	2,502,860	601,085	118,583	269,161	346,191	21,567
	2020	4,134,319	2,593,348	618,730	119,733	346,198	429,215	27,095
Afghanistan	2017	*519	*135	*384	..	..	..	..
	2018	*519	*135	*384	..	..	..	..
	2019	*531	*135	*384	..	..	*12	..
	2020	*537	*135	*384	..	..	*18	..
Armenia	2017	3,582	1,840	1,327	408	3	4	..
	2018	3,591	1,827	1,336	408	3	18	..
	2019	3,621	1,827	1,340	408	4	43	..
	2020	3,687	1,832	1,350	408	4	94	..
Azerbaijan	2017	7,942	6,791	1,106	..	16	28	..
	2018	7,829	6,597	1,131	..	66	35	..
	2019	7,642	6,395	1,145	..	66	36	..
	2020	*7,625	*6,371	1,152	..	66	35	..
Bahrain	2017	6,977	6,971	..	..	*1	*5	..
	2018	6,977	6,971	..	..	*1	*5	..
	2019	*6,977	*6,971	..	..	*1	*5	..
	2020	*6,982	*6,971	..	..	*1	10	..
Bangladesh	2017	12,213	11,817	230	..	*1	165	..
	2018	*15,293	*14,927	230	..	*1	135	..
	2019	18,291	17,922	230	..	*1	138	..
	2020	22,035	21,673	230	..	4	128	..
Bhutan	2017	1,623	8	1,614	..	1	0	..
	2018	1,623	8	1,614	..	1	0	..
	2019	2,342	7	2,334	..	1	0	..
	2020	2,342	*7	2,334	..	1	0	..
Brunei Darussalam	2017	993	992	..	..	..	1	..
	2018	993	992	..	..	..	1	..
	2019	1,109	1,108	..	..	..	1	..
	2020	*1,128	*1,126	..	..	..	2	..
Cambodia	2017	1,878	888	980	..	..	10	..
	2018	2,187	847	1,330	..	..	10	..
	2019	2,443	1,007	1,330	..	..	105	..
	2020	2,991	1,365	1,330	..	..	297	..
China	2017	1,824,130	1,149,480	344,110	35,820	164,000	130,420	*300
	2018	1,952,048	1,195,998	352,590	44,660	184,270	174,330	*200
	2019	2,064,680	1,244,540	358,040	48,740	209,150	204,180	*30
	2020	2,258,250	1,302,840	370,280	49,890	281,650	253,560	*30
China, Hong Kong SAR	2017	12,492	12,492	..	..	..	..	..
	2018	12,282	12,282	..	..	..	..	..
	2019	12,225	12,225	..	..	..	..	..
	2020	13,129	13,129	..	..	..	..	..
China, Macao SAR	2017	437	437	..	..	..	..	..
	2018	437	437	..	..	..	..	..
	2019	437	437	..	..	..	..	..
	2020	437	437	..	..	..	..	..
Cyprus	2017	1,782	1,515	..	..	158	110	..
	2018	1,794	1,517	..	..	158	119	..
	2019	1,819	1,510	..	..	158	151	..
	2020	1,897	1,510	..	..	158	229	..

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	..	..	1,976	1,220	750	..	6
*45	*45	..	..	2,281	1,220	1,050	..	11
*45	*45	..	..	*2,318	*1,220	1,081	..	17
*45	*45	..	..	*2,319	*1,220	1,081	..	18
290,712	228,610	3,617	58,485	3,215,829	2,127,049	572,384	111,922	404,474
331,684	260,813	5,449	65,421	3,361,212	2,175,215	583,111	118,698	484,189
364,502	284,995	5,552	73,955	3,494,945	2,217,865	595,533	118,583	562,965
355,355	267,344	5,615	82,396	3,778,964	2,326,005	613,115	119,733	720,112
*195	*65	*130	..	*324	*70	*254	..	..
*195	*65	*130	..	*324	*70	*254	..	..
*195	*65	*130	..	*336	*70	*254	..	*12
*195	*65	*130	..	*342	*70	*254	..	*18
2	..	..	2	3,580	1,840	1,327	408	5
10	..	..	10	3,581	1,827	1,336	408	11
33	..	..	33	3,588	1,827	1,340	408	14
77	..	..	77	3,610	1,832	1,350	408	21
770	762	..	8	7,172	6,029	1,106	..	36
852	852	..	0	6,977	5,746	1,131	..	101
848	848	..	0	6,794	5,548	1,145	..	101
*851	*848	*3	0	*6,774	*5,523	1,149	..	101
*3,050	*3,050	..	..	3,927	3,921	..	..	*6
*3,050	*3,050	..	..	3,927	3,921	..	..	*6
*3,050	*3,050	..	..	*3,927	*3,921	..	..	*6
*3,050	*3,050	..	..	*3,932	*3,921	..	..	11
2,404	2,404	..	..	9,809	9,413	230	..	166
*4,636	*4,636	..	..	*10,657	*10,291	230	..	136
7,332	7,332	..	..	10,959	10,590	230	..	139
8,141	8,141	..	..	13,894	13,532	230	..	132
..	..	..	..	1,623	8	1,614	..	1
..	..	..	..	1,623	8	1,614	..	1
..	..	..	..	2,342	7	2,334	..	1
..	..	..	..	2,342	*7	2,334	..	1
117	117	..	..	876	875	..	..	1
117	117	..	..	876	875	..	..	1
*234	*234	..	..	875	874	..	..	1
*234	*234	..	..	*894	*892	..	..	2
..	..	..	..	1,878	888	980	..	10
..	..	..	..	2,187	847	1,330	..	10
..	..	..	..	2,443	1,007	1,330	..	105
..	..	..	..	2,991	1,365	1,330	..	297
*44,530	*44,530	..	..	1,779,600	1,104,950	344,110	35,820	294,720
*51,190	*51,190	..	..	1,900,858	1,144,808	352,590	44,660	358,800
54,970	54,970	..	..	2,009,710	1,189,570	358,040	48,740	413,360
56,600	56,600	..	..	2,201,650	1,246,240	370,280	49,890	535,240
..	..	..	..	12,492	12,492	..	..	..
..	..	..	..	12,282	12,282	..	..	..
..	..	..	..	12,225	12,225	..	..	..
..	..	..	..	13,129	13,129	..	..	..
29	29	..	..	408	408	..	..	..
29	29	..	..	408	408	..	..	..
29	29	..	..	408	408	..	..	..
29	29	..	..	408	408	..	..	..
72	37	..	35	1,710	1,478	..	..	233
78	37	..	41	1,716	1,481	..	..	236
93	30	..	63	1,726	1,481	..	..	246
122	30	..	92	1,775	1,481	..	..	295

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
Georgia	2017	3,592	849	2,723	..	20	..	..
	2018	3,591	876	2,695	..	20	..	..
	2019	3,712	1,108	2,583	..	21	..	..
	2020	3,739	990	2,727	..	21	..	..
India	2017	400,455	276,062	45,344	6,780	38,186	24,538	9,545
	2018	427,794	298,316	45,502	6,780	38,825	28,455	9,916
	2019	442,320	305,307	45,830	6,780	40,490	33,912	10,001
	2020	458,430	307,076	46,341	6,780	*42,808	*40,315	*15,110
Indonesia	2017	60,619	51,394	6,239	..	*7	11	2,968
	2018	65,920	56,013	7,595	..	*143	*37	2,132
	2019	67,202	57,079	7,722	..	*154	*118	2,129
	2020	67,587	57,225	7,813	..	*155	*119	2,275
Iran (Islamic Rep. of)	2017	*76,569	*63,145	11,949	1,020	259	184	12
	2018	*78,794	*65,241	11,953	1,020	282	286	12
	2019	*80,467	*66,740	12,026	1,020	302	367	12
	2020	*80,467	*66,740	*12,026	*1,020	*302	*367	*12
Iraq	2017	26,133	24,300	1,796	..	..	37	..
	2018	27,412	25,400	1,796	..	..	216	..
	2019	27,412	25,400	1,796	..	..	216	..
	2020	*27,412	*25,400	*1,796	..	..	*216	..
Israel	2017	17,827	16,813	8	..	27	978	..
	2018	18,020	16,617	9	..	35	1,358	..
	2019	19,139	16,837	9	..	35	2,257	..
	2020	20,006	16,982	309	..	35	2,680	..
Japan	2017	342,198	197,092	50,014	39,132	3,483	49,500	*2,976
	2018	347,177	196,656	50,037	38,042	3,498	56,162	*2,783
	2019	346,474	193,414	50,033	33,083	3,951	63,192	*2,801
	2020	353,667	191,758	50,033	33,083	4,119	71,868	*2,807
Jordan	2017	4,551	3,941	6	..	198	406	..
	2018	4,891	3,796	6	..	280	809	..
	2019	5,272	3,796	6	..	370	1,101	..
	2020	5,674	4,250	6	..	518	900	..
Kazakhstan	2017	*26,319	*23,251	2,726	..	112	230	..
	2018	26,192	22,640	2,756	..	121	675	..
	2019	24,827	20,281	2,778	..	284	1,485	..
	2020	25,976	20,652	2,785	..	486	2,054	..
Korea, Dem.Ppl's.Rep.	2017	7,756	2,960	4,761	..	1	35	..
	2018	8,188	3,360	4,790	..	1	38	..
	2019	8,192	3,360	4,790	..	1	42	..
	2020	8,267	*3,360	4,865	..	1	42	..
Korea, Republic of	2017	123,550	86,377	6,489	22,529	1,215	6,435	506
	2018	128,299	89,014	6,490	21,850	1,420	8,921	603
	2019	132,870	88,174	6,509	23,250	1,494	12,717	725
	2020	139,145	89,555	6,506	23,250	1,645	17,323	866
Kuwait	2017	18,767	18,723	..	..	12	32	..
	2018	18,778	18,723	..	..	12	43	..
	2019	19,252	19,196	..	..	12	43	..
	2020	*19,252	*19,196	..	..	12	43	..
Kyrgyzstan	2017	3,869	*734	3,135	..	..	..	..
	2018	*3,869	*734	*3,135	..	..	..	..
	2019	3,869	734	3,135	..	..	..	..
	2020	3,869	734	3,135	..	..	..	..
Lao People's Dem. Rep.	2017	6,931	1,903	5,006	..	..	22	..
	2018	7,187	1,909	5,256	..	..	22	..
	2019	8,014	*1,909	6,083	..	..	22	..
	2020	9,998	*2,600	7,376	..	..	*22	..

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
..	..	..	..	3,592	849	2,723	..	20
..	..	..	..	3,591	876	2,695	..	20
..	..	..	..	3,712	1,108	2,583	..	21
..	..	..	..	3,739	990	2,727	..	21
56,631	53,155	51	*3,425	343,824	222,907	45,293	6,780	68,844
75,615	72,037	103	*3,475	352,179	226,279	45,399	6,780	73,721
78,023	74,707	131	*3,185	364,297	230,600	45,699	6,780	81,218
76,279	72,348	132	*3,799	382,151	234,728	46,209	6,780	*94,434
14,189	11,597	*1,386	*1,206	46,430	39,797	4,853	..	1,780
13,575	11,249	2,159	*166	52,346	44,763	5,436	..	2,146
14,586	12,056	2,275	*254	52,616	45,022	5,447	..	2,147
14,549	11,993	*2,300	*256	53,039	45,231	5,513	..	2,294
*5,753	*5,753	..	..	*70,816	*57,392	11,949	1,020	455
*5,905	*5,905	..	..	*72,889	*59,336	11,953	1,020	580
*6,000	*6,000	..	..	*74,467	*60,740	12,026	1,020	681
*6,000	*6,000	..	..	*74,467	*60,740	*12,026	*1,020	*681
37	..	..	37	26,096	24,300	1,796	..	..
216	..	..	216	27,196	25,400	1,796	..	..
216	..	..	216	27,196	25,400	1,796	..	..
*216	..	..	*216	*27,196	*25,400	*1,796	..	..
1,591	608	5	978	16,236	16,205	4	..	27
2,018	653	7	1,358	16,001	15,964	2	..	35
2,678	656	7	2,015	16,460	16,181	2	..	277
3,188	743	7	2,438	16,818	16,239	302	..	277
69,366	23,831	452	45,083	272,831	173,261	49,562	39,132	10,876
75,535	25,187	455	49,893	271,642	171,469	49,582	38,042	12,550
80,405	24,654	398	55,352	266,069	168,760	49,635	33,083	14,592
84,063	21,498	398	62,168	269,605	170,260	49,635	33,083	16,627
*250	*250	..	..	4,301	3,691	6	..	604
*250	*250	..	..	4,641	3,546	6	..	1,089
*250	*250	..	..	5,022	3,546	6	..	1,470
*250	*250	..	..	5,424	4,000	6	..	1,418
*806	*751	..	*55	*25,513	*22,500	2,726	..	287
*923	*738	..	*185	25,269	21,902	2,756	..	611
*537	*202	..	*335	24,291	20,079	2,778	..	1,434
*908	*573	..	*335	25,068	20,079	2,785	..	2,205
..	..	..	..	7,756	2,960	4,761	..	35
..	..	..	..	8,188	3,360	4,790	..	38
..	..	..	..	8,192	3,360	4,790	..	42
..	..	..	..	8,267	*3,360	4,865	..	42
9,530	8,247	..	1,283	114,020	78,130	6,489	22,529	6,872
10,556	8,875	..	1,681	117,742	80,138	6,490	21,850	9,263
10,028	7,963	..	2,065	122,842	80,211	6,509	23,250	12,871
10,394	7,963	..	2,431	128,751	81,592	6,506	23,250	17,403
..	..	..	..	18,767	18,723	..	..	44
..	..	..	..	18,778	18,723	..	..	55
..	..	..	..	19,252	19,196	..	..	56
..	..	..	..	*19,252	*19,196	..	..	56
*6	*6	..	..	3,863	*728	3,135	..	..
*6	*6	..	..	*3,863	*728	*3,135	..	..
6	6	..	..	3,863	728	3,135	..	..
*6	*6	..	..	3,863	728	3,135	..	..
..	..	..	..	6,931	1,903	5,006	..	22
..	..	..	..	7,187	1,909	5,256	..	22
..	..	..	..	8,014	*1,909	6,083	..	22
..	..	..	..	9,998	*2,600	7,376	..	*22

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
Lebanon	2017	3,730	3,409	282	..	3	36	..
	2018	3,736	3,409	282	..	3	42	..
	2019	3,773	3,409	282	..	3	79	..
	2020	*3,773	*3,409	282	..	3	79	..
Malaysia	2017	33,334	26,848	6,128	..	..	358	..
	2018	34,389	26,432	6,168	..	..	1,004	786
	2019	*34,153	*26,260	6,245	..	..	882	766
	2020	*35,863	*27,257	6,275	..	..	*1,556	*775
Maldives	2017	*278	*266	..	..	1	11	..
	2018	*382	*365	..	..	1	16	..
	2019	522	500	..	..	1	21	..
	2020	*528	*500	..	..	1	27	..
Mongolia	2017	1,311	1,132	29	..	102	48	..
	2018	*1,461	*1,210	31	..	156	64	..
	2019	*1,486	*1,210	31	..	156	89	..
	2020	*1,507	*1,230	31	..	156	90	..
Myanmar	2017	5,642	2,387	3,255	..	..	..	..
	2018	5,838	2,536	3,262	..	..	40	..
	2019	7,129	3,827	3,262	..	..	40	..
	2020	6,830	3,527	3,262	..	..	41	..
Nepal	2017	*1,142	53	*1,081	..	*6	*1	..
	2018	1,190	53	1,129	..	*6	*1	..
	2019	1,198	53	1,129	..	*14	*1	..
	2020	1,400	53	1,278	..	*14	55	..
Oman	2017	8,228	8,220	..	..	..	8	..
	2018	8,450	8,442	..	..	..	8	..
	2019	8,501	8,442	..	..	50	9	..
	2020	*8,603	*8,442	..	..	50	112	..
Other Asia	2017	*51,183	*38,576	4,691	5,144	986	1,786	..
	2018	52,484	39,510	4,694	4,508	1,016	2,756	0
	2019	55,958	41,960	4,695	3,872	1,157	4,274	0
	2020	57,738	41,920	4,695	3,872	1,157	6,094	0
Pakistan	2017	31,246	21,518	7,115	1,090	792	400	331
	2018	34,875	24,325	7,270	1,430	1,042	436	372
	2019	37,681	24,386	9,757	1,430	1,242	436	430
	2020	39,669	26,273	9,858	1,430	1,242	436	430
Philippines	2017	23,341	16,470	3,643	..	427	885	1,916
	2018	24,464	17,480	3,717	..	427	896	1,944
	2019	26,187	19,135	3,776	..	427	921	1,928
	2020	26,899	19,713	3,795	..	443	1,019	1,928
Qatar	2017	*10,170	*10,170	..	..	..	..	..
	2018	*10,590	*10,590	..	..	..	..	..
	2019	*10,590	*10,590	..	..	..	..	..
	2020	*10,590	*10,590	..	..	..	..	..
Saudi Arabia	2017	83,508	83,471	..	..	3	34	..
	2018	*77,028	*76,941	..	..	3	84	..
	2019	76,485	76,373	..	..	3	109	..
	2020	*79,779	*79,667	..	..	3	109	..
Singapore	2017	13,612	13,500	..	..	..	112	..
	2018	13,614	13,500	..	..	..	115	..
	2019	12,563	12,292	..	..	..	271	..
	2020	12,021	11,692	..	..	..	329	..
Sri Lanka	2017	4,094	2,144	1,720	..	128	102	..
	2018	4,097	2,069	1,793	..	128	*108	..
	2019	*4,267	*2,182	1,809	..	128	*147	..
	2020	*4,457	*2,182	1,793	..	252	*230	..

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
*1,136	*1,100	..	36	2,594	2,309	282	..	3
*1,142	*1,100	..	42	2,594	2,309	282	..	3
*1,179	*1,100	..	79	2,594	2,309	282	..	3
*1,179	*1,100	..	79	*2,594	*2,309	282	..	3
2,442	2,438	2	2	30,892	24,410	6,126	..	356
2,676	1,952	0	723	31,714	24,479	6,168	..	1,066
2,454	1,762	0	692	*31,699	*24,498	6,245	..	956
*2,453	*1,760	0	*693	*33,410	*25,497	6,275	..	*1,638
*125	*125	..	..	*153	*141	..	..	12
*125	*125	..	..	*257	*240	..	..	17
210	210	..	..	312	290	..	..	22
*210	*210	..	..	*318	*290	..	..	28
39	*10	29	..	1,272	1,122	..	..	150
41	*10	31	..	*1,420	*1,200	..	..	220
41	*10	31	..	*1,445	*1,200	..	..	245
41	*10	31	..	*1,466	*1,220	..	..	246
1,354	1,182	172	..	4,288	1,205	3,083	..	..
2,694	1,543	1,111	40	3,144	993	2,151	..	..
3,719	2,568	1,111	40	3,410	1,259	2,151	..	..
3,596	2,444	1,111	41	3,234	1,083	2,151	..	..
*100	..	*100	0	*1,041	53	*981	..	*7
*124	..	*124	0	1,065	53	1,005	..	*7
*124	..	*124	0	1,074	53	1,005	..	*15
*201	..	*168	33	1,199	53	1,110	..	36
..	..	..	..	8,228	8,220	..	..	8
..	..	..	..	8,450	8,442	..	..	8
..	..	..	..	8,501	8,442	..	..	59
..	..	..	..	*8,603	*8,442	..	..	162
17,536	15,076	..	2,460	*33,647	*23,500	4,691	5,144	312
19,028	15,577	..	3,451	33,456	23,933	4,694	4,508	321
20,529	15,534	..	4,995	35,429	26,426	4,695	3,872	436
22,240	15,578	..	6,662	35,498	26,342	4,695	3,872	589
812	481	..	331	30,434	21,037	7,115	1,090	1,192
863	491	..	372	34,012	23,834	7,270	1,430	1,478
920	490	..	430	36,761	23,896	9,757	1,430	1,678
927	497	..	430	38,742	25,776	9,858	1,430	1,678
*613	*597	*16	..	22,728	15,873	3,627	..	3,228
*649	*633	*16	..	23,815	16,847	3,701	..	3,267
*656	*640	*16	..	25,531	18,495	3,760	..	3,276
*649	*633	*16	..	26,250	19,080	3,779	..	3,390
*8,644	*8,644	..	..	*1,526	*1,526	..	..	..
*9,038	*9,038	..	..	*1,553	*1,553	..	..	..
*9,038	*9,038	..	..	*1,553	*1,553	..	..	..
*9,038	*9,038	..	..	*1,553	*1,553	..	..	..
17,626	17,626	..	..	65,882	65,845	..	..	37
*19,235	*19,235	..	..	*57,793	*57,706	..	..	87
33,600	33,600	..	..	42,885	42,773	..	..	112
*33,600	*33,600	..	..	*46,179	*46,067	..	..	112
569	569	..	..	13,043	12,931	..	..	112
569	569	..	..	13,046	12,931	..	..	115
552	552	..	..	12,011	11,740	..	..	271
552	552	..	..	11,469	11,140	..	..	329
436	29	356	51	3,658	2,115	1,364	..	179
482	*32	394	*56	3,615	2,037	1,399	..	179
534	*34	410	*90	*3,733	*2,148	1,399	..	186
540	*34	410	*96	*3,917	*2,148	1,383	..	386

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
State of Palestine	2017	190	160	..	..	..	30	..
	2018	200	160	..	..	..	40	..
	2019	240	160	..	..	..	80	..
	2020	278	160	..	..	..	118	..
Syrian Arab Republic	2017	*9,691	*8,199	1,490	..	1	1	..
	2018	10,059	8,567	1,490	..	1	1	..
	2019	10,060	8,567	1,490	..	1	2	..
	2020	*10,060	*8,567	1,490	..	1	2	..
Tajikistan	2017	*6,577	*719	*5,858	..	..	..	..
	2018	*6,577	*719	*5,858	..	..	..	..
	2019	6,451	718	5,733	..	..	..	..
	2020	6,626	718	5,908	..	..	..	..
Thailand	2017	44,024	35,226	3,467	..	*628	*4,702	0
	2018	45,179	35,426	*3,682	..	*1,103	*4,967	0
	2019	45,260	35,082	*3,682	..	*1,507	*4,988	0
	2020	49,550	41,959	3,106	..	1,528	2,957	0
Timor-Leste	2017	283	283	0	..	..	1	..
	2018	283	283	0	..	..	1	..
	2019	283	283	0	..	..	1	..
	2020	284	283	0	..	..	1	..
Türkiye	2017	85,200	46,762	27,273	..	6,516	3,421	1,228
	2018	88,551	46,712	28,291	..	7,005	5,063	1,480
	2019	91,267	47,284	28,503	..	7,591	5,995	1,894
	2020	95,891	47,396	30,984	..	8,832	6,667	2,011
Turkmenistan	2017	5,201	5,200	1	..	..	..	..
	2018	5,201	5,200	1	..	..	..	..
	2019	*5,201	*5,200	1	..	..	..	..
	2020	*5,202	*5,200	2	..	..	..	..
United Arab Emirates	2017	30,371	30,048	..	..	..	323	..
	2018	*30,934	*30,349	..	..	..	585	..
	2019	*33,042	*31,287	..	..	..	1,755	..
	2020	34,901	32,846	..	..	..	2,055	..
Uzbekistan	2017	14,378	12,516	1,858	..	1	3	..
	2018	15,046	12,276	1,915	..	1	4	*850
	2019	16,798	14,032	1,908	..	*5	4	*850
	2020	17,502	14,620	2,023	..	*5	4	*850
Viet Nam	2017	*44,334	*25,953	18,161	..	211	9	..
	2018	*44,815	*26,125	18,341	..	243	106	..
	2019	57,444	30,690	20,678	..	381	5,695	..
	2020	78,066	39,713	21,169	..	524	16,660	..
Yemen	2017	*1,769	*1,519	..	..	..	*250	..
	2018	*1,769	*1,519	..	..	..	*250	..
	2019	*1,769	*1,519	..	..	..	250	..
	2020	*1,772	*1,519	..	..	..	253	..
Europe	2017	1,417,648	695,085	270,759	165,905	170,468	112,268	3,163
	2018	1,447,953	703,152	271,890	166,808	181,647	121,340	3,115
	2019	1,494,042	713,810	274,292	166,682	196,109	139,406	3,744
	2020	1,516,320	703,097	275,492	162,336	208,275	163,849	3,270
Albania	2017	2,172	123	2,048	..	..	1	..
	2018	2,229	123	2,105	..	..	1	..
	2019	2,361	123	2,223	..	..	15	..
	2020	2,401	123	2,260	..	..	18	..
Andorra	2017	51	5	46	..	..	0	..
	2018	52	5	46	..	..	1	..
	2019	53	5	46	..	..	2	..
	2020	54	5	46	..	..	3	..

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
35	20	..	15	155	140	..	..	15
40	20	..	20	160	140	..	..	20
60	20	..	40	180	140	..	..	40
79	20	..	59	199	140	..	..	59
*912	*912	..	..	*8,779	*7,287	1,490	..	2
972	972	..	..	9,087	7,595	1,490	..	2
972	972	..	..	9,088	7,595	1,490	..	3
*972	*972	..	..	*9,088	*7,595	1,490	..	3
..	..	..	..	*6,577	*719	*5,858	..	..
..	..	..	..	*6,577	*719	*5,858	..	..
..	..	..	..	6,451	718	5,733	..	..
..	..	..	..	6,626	718	5,908	..	..
*16,964	*14,949	*15	*2,000	27,060	20,277	3,452	..	*3,330
*16,964	*14,949	*15	*2,000	28,215	20,477	*3,667	..	*4,071
16,964	14,949	*15	*2,000	28,296	20,133	*3,667	..	*4,495
..	..	..	..	49,550	41,959	3,106	..	4,485
..	..	..	..	283	283	0	..	1
..	..	..	..	283	283	0	..	1
..	..	..	..	283	283	0	..	1
..	..	..	..	284	283	0	..	1
6,189	4,417	551	1,221	79,011	42,345	26,722	..	9,944
6,437	4,450	551	1,436	82,113	42,262	27,740	..	12,112
7,588	5,222	552	1,814	83,679	42,062	27,951	..	13,666
8,074	5,284	558	2,233	87,817	42,113	30,426	..	15,278
..	..	..	..	5,201	5,200	1	..	..
..	..	..	..	5,201	5,200	1	..	..
..	..	..	..	*5,201	*5,200	1	..	..
..	..	..	..	*5,202	*5,200	2	..	..
..	..	..	..	30,371	30,048	..	..	323
..	..	..	..	*30,934	*30,349	..	..	585
..	..	..	..	*33,042	*31,287	..	..	1,755
..	..	..	..	34,901	32,846	..	..	2,055
..	..	..	..	14,378	12,516	1,858	..	4
..	..	..	..	15,046	12,276	1,915	..	*854
..	..	..	..	16,798	14,032	1,908	..	*859
..	..	..	..	17,502	14,620	2,023	..	*859
*5,483	*5,125	*352	*6	*38,851	*20,828	17,809	..	214
*5,483	*5,125	*352	*6	*39,332	*21,000	17,989	..	343
*5,483	*5,125	*352	*6	51,961	25,565	20,326	..	6,070
*5,483	*5,125	*352	*6	72,583	34,588	20,817	..	17,178
*367	*117	..	*250	*1,402	*1,402	..	..	..
*367	*117	..	*250	*1,402	*1,402	..	..	..
367	*117	..	250	*1,402	*1,402	..	..	..
370	*117	..	253	*1,402	*1,402	..	..	..
121,495	89,119	3,456	28,920	1,296,153	605,966	267,303	165,905	256,979
127,737	92,170	3,449	32,117	1,320,217	610,982	268,441	166,808	273,985
133,339	92,831	3,469	37,039	1,360,703	620,978	270,823	166,682	302,220
141,186	92,866	3,583	44,737	1,375,134	610,232	271,908	162,336	330,657
25	25	..	..	2,147	98	2,048	..	1
25	25	..	..	2,204	98	2,105	..	1
25	25	..	..	2,336	98	2,223	..	15
25	25	..	..	2,376	98	2,260	..	18
..	..	..	..	51	5	46	..	0
..	..	..	..	52	5	46	..	1
..	..	..	..	53	5	46	..	2
..	..	..	..	54	5	46	..	3

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
Austria	2017	24,920	6,613	14,150	..	2,887	1,269	1
	2018	25,637	6,532	14,516	..	3,133	1,455	1
	2019	25,901	6,377	14,597	..	3,224	1,702	1
	2020	26,312	6,438	14,604	..	3,226	2,043	1
Belarus	2017	10,146	9,884	98	..	84	80	..
	2018	10,151	9,808	97	..	92	154	..
	2019	10,183	9,820	97	..	112	154	..
	2020	11,339	9,801	96	1,170	112	160	..
Belgium	2017	22,110	8,364	1,417	5,918	2,788	3,621	3
	2018	22,692	8,086	1,418	5,918	3,268	4,000	3
	2019	23,926	8,078	1,414	5,930	3,863	4,637	3
	2020	25,702	8,086	1,416	5,942	4,681	5,575	3
Bosnia and Herzegovina	2017	4,522	2,295	2,211	..	..	16	..
	2018	4,440	2,135	2,236	..	51	18	..
	2019	4,485	2,137	2,239	..	87	22	..
	2020	4,507	2,136	2,249	..	87	35	..
Bulgaria	2017	11,069	3,785	3,372	1,967	698	1,036	211
	2018	11,530	4,220	3,379	2,008	699	1,033	191
	2019	11,433	4,097	3,378	2,006	703	1,048	*200
	2020	11,192	3,806	3,376	2,006	703	1,097	*203
Croatia	2017	4,970	2,141	2,193	..	576	60	..
	2018	5,006	2,142	2,200	..	586	68	10
	2019	4,713	1,771	2,200	..	646	85	11
	2020	4,663	1,543	2,200	..	801	109	11
Czechia	2017	22,267	13,334	2,265	4,290	308	2,070	..
	2018	22,295	13,350	2,264	4,290	316	2,075	..
	2019	22,011	13,031	2,265	4,290	339	2,086	..
	2020	21,402	12,384	2,265	4,290	339	2,123	..
Denmark	2017	14,318	7,916	7	..	5,489	906	..
	2018	14,983	7,863	7	..	6,115	998	..
	2019	15,135	7,945	7	..	6,103	1,080	..
	2020	15,489	7,918	7	..	6,259	1,304	..
Estonia	2017	2,542	2,208	7	..	312	15	..
	2018	2,819	2,470	7	..	310	32	..
	2019	2,746	2,303	6	..	316	121	..
	2020	2,738	2,205	8	..	317	208	..
Faeroe Islands	2017	121	69	38	..	14	..	..
	2018	121	69	38	..	14	..	..
	2019	131	78	38	..	14	0	..
	2020	168	115	38	..	14	0	..
Finland	2017	17,058	8,997	3,156	2,779	2,044	82	..
	2018	17,018	8,901	3,152	2,784	2,041	140	..
	2019	17,352	8,895	3,157	2,794	2,284	222	..
	2020	17,301	8,439	3,164	2,794	2,586	318	..
France	2017	133,089	21,907	25,707	63,130	13,499	8,610	235
	2018	135,086	21,422	25,727	63,130	14,900	9,672	234
	2019	136,284	19,791	25,869	63,130	16,457	10,808	230
	2020	136,637	19,791	25,712	61,400	17,484	12,022	228
Germany	2017	215,326	95,134	11,120	10,799	55,580	42,293	400
	2018	227,943	102,180	10,684	10,799	58,721	45,156	403
	2019	231,487	100,524	10,733	9,525	60,742	48,912	1,051
	2020	233,745	98,311	10,792	8,113	62,188	53,719	622
Gibraltar	2017	*43	*43	..	..	..	..	0
	2018	*43	*43	..	..	..	..	0
	2019	*43	*43	..	..	..	..	0
	2020	*43	*43	..	..	..	..	0

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
1,773	1,341	432	..	23,147	5,272	13,718	..	4,157
1,716	1,288	428	..	23,921	5,244	14,088	..	4,589
2,219	1,784	435	..	23,682	4,593	14,162	..	4,927
2,264	1,829	435	..	24,048	4,609	14,169	..	5,270
817	806	3	8	9,329	9,078	95	..	156
969	899	2	68	9,182	8,909	95	..	178
977	897	2	78	9,206	8,923	95	..	188
1,010	927	2	81	10,329	8,874	94	1,170	191
4,997	1,345	..	3,652	17,113	7,019	1,417	5,918	2,759
5,450	1,418	..	4,031	17,243	6,667	1,418	5,918	3,240
6,286	1,616	..	4,670	17,640	6,463	1,414	5,930	3,833
7,293	1,682	..	5,611	18,409	6,404	1,416	5,942	4,647
*230	*230	..	..	4,292	2,065	2,211	..	16
70	70	..	..	4,370	2,065	2,236	..	69
71	71	..	..	4,414	2,066	2,239	..	109
70	70	..	..	4,437	2,066	2,249	..	122
445	234	..	211	10,624	3,551	3,372	1,967	1,734
425	234	..	191	11,105	3,986	3,379	2,008	1,732
*361	161	..	*200	11,072	3,936	3,378	2,006	1,751
*358	155	..	*203	10,834	3,651	3,376	2,006	1,800
160	157	3	..	4,811	1,984	2,190	..	636
165	162	3	..	4,841	1,980	2,197	..	664
165	162	3	..	4,548	1,609	2,197	..	742
164	162	2	..	4,499	1,381	2,197	..	921
1,936	1,752	184	..	20,331	11,582	2,081	4,290	2,378
1,928	1,745	183	..	20,367	11,605	2,081	4,290	2,391
1,925	1,741	184	..	20,086	11,290	2,081	4,290	2,425
1,821	1,636	184	..	19,581	10,748	2,081	4,290	2,462
1,536	630	..	906	12,782	7,286	7	..	5,489
1,639	641	..	998	13,345	7,223	7	..	6,115
1,667	587	..	1,080	13,468	7,358	7	..	6,103
1,890	586	..	1,304	13,598	7,332	7	..	6,259
27	25	..	2	2,515	2,183	7	..	325
26	25	..	1	2,793	2,445	7	..	341
24	23	..	1	2,722	2,280	6	..	436
24	23	..	1	2,714	2,182	8	..	524
..	..	..	..	121	69	38	..	14
..	..	..	..	121	69	38	..	14
..	..	..	..	131	78	38	..	14
..	..	..	..	168	115	38	..	14
2,306	2,039	188	79	14,752	6,958	2,968	2,779	2,047
2,364	2,038	189	137	14,654	6,863	2,963	2,784	2,044
2,458	2,035	208	215	14,894	6,860	2,949	2,794	2,291
2,522	2,006	205	311	14,779	6,433	2,959	2,794	2,593
6,467	3,703	190	2,575	126,622	18,204	25,517	63,130	19,770
7,681	4,587	185	2,910	127,404	16,836	25,542	63,130	21,896
8,214	4,725	194	3,295	128,070	15,066	25,674	63,130	24,200
8,611	4,666	216	3,729	128,026	15,125	25,496	61,400	26,005
11,579	11,310	42	227	203,747	83,824	11,078	10,799	98,046
11,138	10,879	32	227	216,805	91,301	10,652	10,799	104,053
11,169	10,954	35	180	220,318	89,570	10,698	9,525	110,525
11,151	10,954	35	162	222,594	87,357	10,757	8,113	116,367
..	..	..	..	*43	*43	..	..	0
..	..	..	..	*43	*43	..	..	0
..	..	..	..	*43	*43	..	..	0
..	..	..	..	*43	*43	..	..	0

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
Greece	2017	19,426	10,804	3,392	..	2,624	2,606	..
	2018	19,581	10,643	3,409	..	2,877	2,652	..
	2019	20,478	10,643	3,412	..	3,589	2,834	..
	2020	20,795	9,971	3,417	..	4,119	3,288	..
Guernsey	2017	*132	*132	..	..	..	..	..
	2018	*132	*132	..	..	..	0	..
	2019	*132	*132	..	..	..	0	..
	2020	*132	*132	..	..	..	0	..
Hungary	2017	8,890	6,120	57	2,000	329	344	40
	2018	9,286	6,118	57	2,013	329	728	41
	2019	9,994	6,159	58	2,013	323	1,400	41
	2020	10,708	6,145	58	2,013	321	2,131	40
Iceland	2017	2,823	116	1,995	..	2	..	710
	2018	2,973	116	2,099	..	2	..	756
	2019	2,979	116	2,104	..	2	..	756
	2020	2,989	116	2,114	..	2	..	756
Ireland	2017	10,610	6,745	529	..	3,319	17	..
	2018	10,987	6,752	529	..	3,674	32	..
	2019	11,131	6,417	529	..	4,126	58	..
	2020	11,244	6,316	529	..	4,307	93	..
Isle of Man	2017	187	186	1	..	..	..	..
	2018	187	186	1	..	..	..	..
	2019	187	186	1	..	..	..	..
	2020	187	186	1	..	..	..	..
Italy	2017	114,241	61,289	22,426	..	9,737	19,682	1,107
	2018	115,221	61,276	22,499	..	10,230	20,108	1,108
	2019	116,435	61,284	22,541	..	10,679	20,865	1,066
	2020	116,383	60,106	22,695	..	10,871	21,650	1,062
Jersey	2017	78	78	..	..	..	..	..
	2018	78	78	..	..	..	..	..
	2019	*78	*78	..	..	..	..	..
	2020	*78	*78	..	..	..	..	..
Kosovo	2017	1,409	1,288	80	..	34	7	..
	2018	1,409	1,288	80	..	34	7	..
	2019	1,417	1,288	85	..	34	10	..
	2020	1,442	1,288	110	..	34	10	..
Latvia	2017	2,941	1,299	1,564	..	77	1	..
	2018	2,915	1,270	1,565	..	78	2	..
	2019	2,938	1,270	1,587	..	78	3	..
	2020	2,944	1,274	1,586	..	78	5	..
Liechtenstein	2017	*24	*1	*10	..	..	*13	..
	2018	*26	*1	*10	..	..	*15	..
	2019	*27	*1	*10	..	..	*16	..
	2020	*29	*1	*10	..	..	*18	..
Lithuania	2017	3,326	1,832	877	..	518	74	25
	2018	3,354	1,837	877	..	533	82	25
	2019	3,378	1,839	877	..	534	103	25
	2020	3,491	1,885	877	..	540	164	25
Luxembourg	2017	1,706	127	1,331	..	120	128	..
	2018	1,712	128	1,330	..	123	131	..
	2019	1,775	149	1,330	..	136	160	..
	2020	1,808	138	1,331	..	153	187	..
Malta	2017	706	595	..	..	0	112	..
	2018	727	595	..	..	0	132	..
	2019	750	595	..	..	0	155	..
	2020	783	595	..	..	0	188	..

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
571	571	..	..	18,855	10,234	3,392	..	5,230
568	568	..	..	19,014	10,076	3,409	..	5,529
568	568	..	..	19,910	10,076	3,412	..	6,423
568	568	..	..	20,227	9,404	3,417	..	7,407
..	..	..	..	*132	*132	..	..	..
..	..	..	..	*132	*132	..	..	0
..	..	..	..	*132	*132	..	..	0
..	..	..	..	*132	*132	..	..	0
592	253	..	339	8,298	5,867	57	2,000	374
735	251	..	484	8,551	5,867	57	2,013	614
1,025	286	..	739	8,969	5,873	58	2,013	1,025
1,316	274	..	1,042	9,392	5,871	58	2,013	1,450
..	..	..	..	2,823	116	1,995	..	712
..	..	..	..	2,973	116	2,099	..	758
..	..	..	..	2,979	116	2,104	..	758
..	..	..	..	2,989	116	2,114	..	758
386	350	..	37	10,224	6,395	529	..	3,299
411	356	..	54	10,576	6,396	529	..	3,651
448	364	..	85	10,682	6,053	529	..	4,100
486	367	..	119	10,758	5,949	529	..	4,280
8	8	..	..	180	179	1	..	..
8	8	..	..	180	179	1	..	..
8	8	..	..	180	179	1	..	..
8	8	..	..	180	179	1	..	..
5,034	4,863	119	52	109,207	56,426	22,307	..	30,473
5,522	5,347	105	69	109,699	55,929	22,393	..	31,377
5,432	5,256	106	70	111,003	56,028	22,435	..	32,541
5,166	4,991	91	84	111,218	55,115	22,604	..	33,498
*28	*28	..	..	50	50	..	..	..
*28	*28	..	..	50	50	..	..	..
*28	*28	..	..	*50	*50	..	..	..
*28	*28	..	..	*50	*50	..	..	..
..	..	..	..	1,409	1,288	80	..	40
..	..	..	..	1,409	1,288	80	..	40
0	..	..	0	1,417	1,288	85	..	44
..	..	..	..	1,442	1,288	110	..	44
33	31	1	1	2,908	1,268	1,563	..	77
34	30	2	2	2,881	1,239	1,563	..	78
34	29	1	3	2,904	1,241	1,585	..	78
38	32	2	5	2,905	1,243	1,585	..	78
..	..	..	..	*24	*1	*10	..	*13
..	..	..	..	*26	*1	*10	..	*15
..	..	..	..	*27	*1	*10	..	*16
..	..	..	..	*29	*1	*10	..	*18
280	255	..	25	3,046	1,577	877	..	592
280	255	..	25	3,074	1,582	877	..	615
282	257	..	25	3,096	1,582	877	..	637
282	257	..	25	3,209	1,628	877	..	704
185	55	2	128	1,520	72	1,329	..	120
185	52	2	131	1,527	76	1,329	..	123
215	53	2	160	1,560	95	1,329	..	136
232	43	2	187	1,576	95	1,329	..	153
116	5	..	112	590	590	..	..	..
137	5	..	132	590	590	..	..	..
160	5	..	155	590	590	..	..	..
193	5	..	188	590	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
Montenegro	2017	949	225	652	..	72	..	..
	2018	999	225	652	..	118	3	..
	2019	1,001	225	652	..	118	5	..
	2020	1,047	225	697	..	118	7	..
Netherlands	2017	33,923	26,106	37	485	4,202	2,911	*182
	2018	35,110	25,505	37	485	4,393	4,608	82
	2019	37,135	24,821	37	485	4,484	7,226	82
	2020	42,233	24,066	37	485	6,619	10,950	76
North Macedonia	2017	1,836	1,111	671	..	37	17	..
	2018	1,839	1,111	674	..	37	17	..
	2019	1,844	1,112	678	..	37	17	..
	2020	1,850	1,112	684	..	37	17	..
Norway	2017	34,228	1,074	31,912	..	1,207	..	35
	2018	35,416	1,073	32,530	..	1,710	68	35
	2019	36,940	1,074	32,797	..	2,914	120	35
	2020	39,026	1,069	33,732	..	4,030	160	35
Poland	2017	42,850	34,412	2,390	..	5,758	287	2
	2018	43,046	34,314	2,391	..	5,766	562	12
	2019	43,440	33,638	2,397	..	5,838	1,539	28
	2020	49,368	36,715	2,400	..	6,298	3,955	0
Portugal	2017	20,933	7,975	7,226	..	5,124	579	30
	2018	21,186	8,080	7,236	..	5,172	667	30
	2019	21,575	8,160	7,262	..	5,223	901	29
	2020	21,655	8,163	7,241	..	5,122	1,100	29
Republic of Moldova	2017	477	450	16	..	9	2	..
	2018	478	425	16	..	34	3	..
	2019	486	430	16	..	35	5	..
	2020	490	428	16	..	41	4	..
Romania	2017	23,572	11,067	6,691	1,411	3,029	1,374	..
	2018	23,553	11,023	6,701	1,411	3,032	1,386	..
	2019	20,908	8,366	6,686	1,411	3,038	1,407	..
	2020	20,585	8,126	6,653	1,411	3,013	1,382	..
Russian Federation	2017	267,639	187,701	51,241	27,952	98	574	74
	2018	271,600	190,215	51,333	29,140	161	678	74
	2019	302,074	217,060	52,757	30,300	*600	1,276	81
	2020	*300,458	*215,160	52,889	*30,300	*600	1,428	81
Serbia	2017	7,410	4,337	3,038	..	25	10	..
	2018	7,632	4,351	3,043	..	227	11	..
	2019	7,868	4,385	3,074	..	398	11	..
	2020	7,884	4,392	3,082	..	398	12	..
Slovakia	2017	7,671	2,645	2,523	1,940	4	528	31
	2018	7,625	2,651	2,528	1,940	4	471	31
	2019	7,724	2,639	2,527	1,940	4	590	24
	2020	7,707	2,652	2,529	1,971	4	535	16
Slovenia	2017	3,617	1,332	1,347	688	3	247	..
	2018	3,796	1,514	1,344	688	3	247	..
	2019	3,832	1,512	1,351	688	3	278	..
	2020	3,929	1,516	1,352	688	3	370	..
Spain	2017	103,863	46,456	20,079	7,117	23,124	7,027	59
	2018	103,740	46,011	20,080	7,117	23,405	7,068	59
	2019	109,670	45,647	20,114	7,117	25,590	11,143	59
	2020	108,421	41,719	20,117	7,117	26,819	12,589	59
Sweden	2017	39,798	7,442	16,502	8,999	6,611	244	..
	2018	41,223	8,408	16,431	8,656	7,300	428	..
	2019	42,824	8,343	16,462	8,624	8,681	714	..
	2020	43,672	8,406	16,406	7,777	9,976	1,107	..

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
..	..	..	..	949	225	652	..	72
..	..	..	..	999	225	652	..	121
..	..	..	..	1,001	225	652	..	123
..	..	..	..	1,047	225	697	..	125
8,266	4,919	..	3,346	25,657	21,186	37	485	3,949
10,144	5,444	..	4,700	24,965	20,061	37	485	4,383
12,353	5,405	..	6,948	24,782	19,416	37	485	4,844
15,408	5,855	..	9,553	26,825	18,211	37	485	8,092
0	0	..	..	1,836	1,111	671	..	54
..	..	..	..	1,839	1,111	674	..	54
..	..	..	..	1,844	1,112	678	..	54
..	..	..	..	1,850	1,112	684	..	54
539	539	..	..	33,689	535	31,912	..	1,242
620	552	..	68	34,796	521	32,530	..	1,745
672	552	..	120	36,268	522	32,797	..	2,949
717	557	..	160	38,309	512	33,732	..	4,065
2,773	2,483	1	289	40,077	31,929	2,390	..	5,758
3,669	3,094	1	574	39,377	31,220	2,391	..	5,766
4,680	3,112	1	1,567	38,760	30,526	2,397	..	5,838
7,033	3,077	1	3,955	42,336	33,638	2,399	..	6,298
2,084	1,769	6	309	18,849	6,205	7,220	..	5,424
2,236	1,872	6	358	18,950	6,208	7,230	..	5,511
2,409	1,879	6	524	19,166	6,281	7,256	..	5,629
2,499	1,884	6	609	19,156	6,278	7,235	..	5,642
124	120	..	4	353	330	16	..	7
120	95	..	25	358	330	16	..	12
123	100	..	23	363	330	16	..	17
118	98	..	20	372	330	16	..	26
3,022	2,159	81	782	20,550	8,908	6,610	1,411	3,621
2,985	2,150	83	752	20,568	8,873	6,618	1,411	3,666
2,270	1,696	83	491	18,638	6,670	6,603	1,411	3,954
2,556	1,817	87	652	18,029	6,309	6,566	1,411	3,743
25,250	24,789	461	..	242,389	162,912	50,779	27,952	746
25,623	25,161	462	..	245,977	165,054	50,871	29,140	913
*25,622	*25,160	*462	..	276,452	191,900	52,295	30,300	1,957
*25,622	*25,160	*462	..	*274,836	*190,000	52,427	*30,300	2,109
114	114	..	..	7,296	4,223	3,038	..	35
118	118	..	..	7,514	4,233	3,043	..	238
142	142	..	..	7,727	4,244	3,074	..	409
145	145	..	..	7,739	4,248	3,082	..	410
1,076	633	30	413	6,595	2,012	2,493	1,940	150
1,107	769	32	306	6,518	1,882	2,496	1,940	200
1,201	766	33	402	6,523	1,873	2,494	1,940	216
1,150	751	33	366	6,557	1,901	2,496	1,971	189
402	46	116	240	3,215	1,286	1,231	688	10
403	47	116	240	3,393	1,467	1,228	688	10
435	44	121	271	3,397	1,468	1,230	688	11
529	46	122	362	3,400	1,471	1,230	688	11
6,609	6,157	369	83	97,254	40,299	19,710	7,117	30,127
6,571	6,098	369	104	97,169	39,913	19,711	7,117	30,428
6,483	5,979	369	135	103,187	39,668	19,745	7,117	36,657
6,575	5,953	369	253	101,845	35,766	19,748	7,117	39,215
1,285	1,267	18	..	38,513	6,175	16,484	8,999	6,855
1,448	1,430	18	..	39,775	6,978	16,413	8,656	7,728
1,411	1,393	18	..	41,413	6,950	16,444	8,624	9,395
1,386	1,386	0	..	42,286	7,020	16,406	7,777	11,083

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
Switzerland	2017	21,614	946	15,354	3,333	75	1,906	..
	2018	22,063	940	15,542	3,333	75	2,173	..
	2019	22,422	942	15,574	3,333	75	2,498	..
	2020	22,941	954	15,594	3,333	87	2,973	..
Ukraine	2017	52,764	31,492	6,213	13,835	465	759	..
	2018	51,508	29,753	6,243	13,835	476	1,201	..
	2019	51,444	28,535	6,325	13,835	796	1,953	..
	2020	*56,982	*28,539	*6,325	*13,385	1,402	*7,331	..
United Kingdom	2017	103,280	56,886	4,770	9,261	19,585	12,760	18
	2018	106,507	57,784	4,777	9,261	21,606	13,059	20
	2019	102,913	51,746	4,778	9,261	23,882	13,224	22
	2020	101,367	50,481	4,776	8,141	24,485	13,462	22
Latin America & Carib.	2017	428,857	208,544	186,416	5,353	21,545	5,347	1,652
	2018	456,469	218,034	191,415	5,379	26,527	9,827	5,287
	2019	473,565	222,532	196,952	5,466	28,873	14,153	5,588
	2020	487,848	226,165	197,915	5,466	32,463	20,247	5,591
Anguilla	2017	26	24	..	..	..	2	..
	2018	25	24	..	..	..	1	..
	2019	26	24	..	..	..	2	..
	2020	*26	*24	..	..	..	2	..
Antigua and Barbuda	2017	*119	*113	..	..	..	6	..
	2018	91	82	..	..	..	9	..
	2019	90	79	..	..	..	10	..
	2020	88	79	..	..	..	9	..
Argentina	2017	39,764	26,510	11,262	1,755	229	8	..
	2018	42,128	28,122	11,308	1,755	752	191	..
	2019	43,272	28,137	11,330	1,755	1,611	439	..
	2020	45,565	29,062	11,364	1,755	2,625	759	..
Aruba	2017	288	258	..	..	30	..	..
	2018	295	258	..	..	30	8	..
	2019	295	258	..	..	30	8	..
	2020	295	258	..	..	30	8	..
Bahamas	2017	577	576	..	..	..	1	..
	2018	577	576	..	..	..	1	..
	2019	578	576	..	..	..	2	..
	2020	*578	*576	..	..	..	2	..
Barbados	2017	281	262	..	..	..	19	..
	2018	259	234	..	..	..	25	..
	2019	301	261	..	..	..	40	..
	2020	317	267	..	..	..	50	..
Belize	2017	165	113	51	..	..	0	..
	2018	165	113	51	..	..	0	..
	2019	177	122	55	..	..	0	..
	2020	173	118	55	..	..	0	..
Bolivia (Plur. State of)	2017	2,585	1,928	619	..	27	11	..
	2018	2,771	1,983	690	..	27	71	..
	2019	3,704	2,797	759	..	27	121	..
	2020	3,713	2,805	759	..	27	122	..
Bonaire, St Eustatius, Saba	2017	*33	*20	..	..	11	2	..
	2018	*37	*20	..	..	11	6	..
	2019	*37	*20	..	..	11	6	..
	2020	*38	*20	..	..	11	7	..
Brazil	2017	157,579	41,881	100,319	1,990	12,293	1,096	..
	2018	163,509	40,561	104,198	1,990	14,400	2,360	..
	2019	172,280	41,281	109,155	1,990	15,388	4,466	..
	2020	179,517	43,153	109,294	1,990	17,146	7,934	..

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
3,328	689	733	1,906	18,286	257	14,621	3,333	75
3,607	683	751	2,173	18,456	257	14,791	3,333	75
3,910	683	729	2,498	18,512	259	14,845	3,333	75
4,511	686	852	2,973	18,430	268	14,742	3,333	87
2,265	2,227	7	31	50,499	29,265	6,206	13,835	1,193
2,139	2,091	5	43	49,369	27,662	6,238	13,835	1,634
2,171	2,071	..	100	49,273	26,464	6,325	13,835	2,649
*2,206	*2,075	..	*131	*54,776	*26,464	*6,325	*13,385	*8,602
24,828	11,194	471	13,163	78,452	45,691	4,299	9,261	19,201
25,444	11,656	476	13,313	81,062	46,128	4,301	9,261	21,372
25,696	12,215	477	13,004	77,217	39,531	4,301	9,261	24,125
25,211	12,083	478	12,650	76,156	38,398	4,298	8,141	25,319
60,281	49,790	5,960	4,531	368,576	158,754	180,456	5,353	24,013
57,708	45,910	6,047	5,751	398,760	172,124	185,367	5,379	35,890
57,724	44,701	6,042	6,980	415,841	177,831	190,910	5,466	41,635
62,168	45,576	6,184	10,408	425,680	180,589	191,731	5,466	47,894
..	..	..	..	26	24	..	..	2
..	..	..	..	25	24	..	..	1
..	..	..	..	26	24	..	..	2
..	..	..	..	*26	*24	..	..	2
*1	*1	..	..	*118	*112	..	..	6
*1	*1	..	..	90	81	..	..	9
*1	*1	..	..	89	78	..	..	10
*1	*1	..	..	87	78	..	..	9
3,614	3,592	20	2	36,150	22,918	11,242	1,755	235
3,614	3,592	20	2	38,514	24,530	11,288	1,755	941
3,614	3,592	20	2	39,658	24,545	11,310	1,755	2,048
3,614	3,592	20	2	41,951	25,470	11,344	1,755	3,382
..	..	..	..	288	258	..	..	30
..	..	..	..	295	258	..	..	38
..	..	..	..	295	258	..	..	38
..	..	..	..	295	258	..	..	38
*39	*39	..	..	538	537	..	..	1
*39	*39	..	..	538	537	..	..	1
*39	*39	..	..	539	537	..	..	2
*39	*39	..	..	*539	*537	..	..	2
*10	*10	..	..	271	252	..	..	19
*10	*10	..	..	249	224	..	..	25
*10	*10	..	..	291	251	..	..	40
*10	*10	..	..	307	257	..	..	50
*45	*45	..	..	120	68	51	..	0
*45	*45	..	..	120	68	51	..	0
*45	*45	..	..	132	77	55	..	0
*41	*41	..	..	132	77	55	..	0
287	286	1	..	2,298	1,642	618	..	38
329	328	2	..	2,442	1,656	689	..	98
329	328	2	..	3,375	2,470	758	..	148
328	328	1	..	3,384	2,477	758	..	149
..	..	..	..	*33	*20	..	..	13
..	..	..	..	*37	*20	..	..	17
..	..	..	..	*37	*20	..	..	17
..	..	..	..	*38	*20	..	..	18
24,941	19,751	5,019	171	132,638	22,130	95,300	1,990	13,218
25,498	19,925	5,061	512	138,011	20,636	99,137	1,990	16,248
26,482	20,129	5,068	1,285	145,798	21,152	104,087	1,990	18,569
29,987	20,283	5,158	4,546	149,530	22,870	104,136	1,990	20,534

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
British Virgin Islands	2017	61	60	..	..	*1	*1	..
	2018	*46	*45	..	..	*1	0	..
	2019	*46	*45	..	..	*1	0	..
	2020	*46	*45	..	..	*1	0	..
Cayman Islands	2017	161	161	..	..	..	..	..
	2018	161	161	..	..	..	..	..
	2019	161	161	..	..	..	..	..
	2020	161	161	..	..	..	..	..
Chile	2017	26,207	16,500	6,656	..	1,302	1,724	24
	2018	27,534	16,877	6,627	..	1,692	2,298	40
	2019	27,644	16,544	6,341	..	1,999	2,720	40
	2020	30,001	17,564	6,818	..	2,293	3,287	40
Colombia	2017	17,931	6,084	11,820	..	18	10	0
	2018	18,889	6,854	11,931	..	18	*86	0
	2019	19,496	7,339	12,014	..	18	125	0
	2020	19,758	7,503	12,039	..	18	198	..
Costa Rica	2017	3,564	616	2,328	..	378	36	207
	2018	3,646	628	2,359	..	408	44	207
	2019	3,624	549	2,343	..	411	59	262
	2020	3,602	549	2,331	..	394	66	262
Cuba	2017	6,476	6,325	66	..	*22	*63	..
	2018	6,661	6,458	64	..	*36	*103	..
	2019	6,508	6,285	64	..	*41	*118	..
	2020	6,660	6,374	65	..	*58	*164	..
Curaçao	2017	*257	*200	..	..	47	11	..
	2018	*257	*200	..	..	45	12	..
	2019	*216	*159	..	..	45	12	..
	2020	*197	*140	..	..	45	12	..
Dominica	2017	42	35	7	..	0	1	..
	2018	40	35	5	..	0	0	..
	2019	40	35	5	..	0	0	..
	2020	40	35	5	..	0	0	..
Dominican Republic	2017	5,133	4,276	619	..	135	103	..
	2018	5,276	4,271	619	..	183	203	..
	2019	5,994	4,995	623	..	188	188	..
	2020	*4,739	*3,740	623	..	187	187	..
Ecuador	2017	7,445	2,912	4,486	..	21	26	..
	2018	8,048	2,964	5,036	..	21	27	..
	2019	8,073	2,978	5,047	..	21	27	..
	2020	8,095	2,983	5,064	..	21	27	..
El Salvador	2017	1,932	1,043	574	..	..	110	204
	2018	2,003	1,057	575	..	..	167	204
	2019	2,241	1,057	574	..	..	406	204
	2020	2,346	1,058	574	..	36	474	204
Falkland Is. (Malvinas)	2017	9	7	..	..	2	0	..
	2018	9	7	..	..	2	0	..
	2019	9	7	..	..	2	0	..
	2020	*9	*7	..	..	2	0	..
Grenada	2017	52	50	..	..	..	2	..
	2018	54	52	..	..	..	2	..
	2019	55	52	..	..	..	3	..
	2020	56	52	..	..	..	3	..
Guatemala	2017	3,356	1,845	1,311	..	75	92	34
	2018	3,499	1,770	1,492	..	107	92	39
	2019	4,042	2,234	1,560	..	107	93	49
	2020	4,162	2,332	1,577	..	107	93	52

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
..	..	..	..	61	60	..	..	*1
..	..	..	..	*46	*45	..	..	*1
..	..	..	..	*46	*45	..	..	*1
..	..	..	..	*46	*45	..	..	*1
..	..	..	..	161	161	..	..	..
..	..	..	..	161	161	..	..	..
..	..	..	..	161	161	..	..	..
..	..	..	..	161	161	..	..	..
3,669	3,658	8	3	22,538	12,842	6,648	..	3,047
4,241	4,225	9	7	23,293	12,652	6,619	..	4,023
3,357	3,310	9	38	24,288	13,234	6,333	..	4,721
4,532	4,449	50	33	25,469	13,115	6,768	..	5,586
*1,624	*1,530	*94	..	16,307	4,554	11,726	..	28
1,624	1,530	94	..	17,265	5,324	11,837	..	*104
*2,094	*2,000	*94	..	17,402	5,339	11,920	..	144
*2,114	*2,000	*94	20	17,644	5,503	11,945	..	196
74	44	..	30	3,490	572	2,328	..	590
95	56	..	39	3,551	572	2,359	..	620
128	75	..	53	3,495	474	2,343	..	678
135	75	..	61	3,466	474	2,331	..	661
531	531	..	..	5,945	5,794	66	..	*85
553	553	..	..	6,108	5,905	64	..	*139
459	459	..	..	6,049	5,826	64	..	*159
565	565	..	..	6,095	5,809	65	..	*222
*84	*84	..	..	*173	*116	..	..	57
*84	*84	..	..	*173	*116	..	..	57
*33	*33	..	..	*183	*126	..	..	57
*20	*20	..	..	*177	*120	..	..	57
15	15	..	..	28	20	7	..	1
*15	*15	..	..	25	20	5	..	1
*15	*15	..	..	25	20	5	..	1
*15	*15	..	..	25	20	5	..	1
1,294	1,219	1	73	3,839	3,057	617	..	165
1,306	1,189	2	116	3,971	3,082	617	..	271
1,355	1,255	..	100	4,639	3,740	623	..	276
*840	*740	..	100	*3,898	*3,000	623	..	275
1,209	1,033	177	..	6,236	1,879	4,310	..	47
1,317	1,090	227	..	6,731	1,874	4,809	..	48
1,346	1,118	227	..	6,727	1,860	4,819	..	48
1,332	1,094	238	..	6,764	1,889	4,826	..	48
352	280	22	50	1,580	764	552	..	264
429	300	22	107	1,574	757	553	..	264
533	300	21	212	1,708	757	553	..	398
577	300	21	255	1,769	757	553	..	459
..	..	..	..	9	7	..	..	2
..	..	..	..	9	7	..	..	2
..	..	..	..	9	7	..	..	2
..	..	..	..	*9	*7	..	..	2
0	0	..	..	52	50	..	..	2
0	0	..	..	54	52	..	..	2
0	0	..	..	55	52	..	..	3
0	0	..	..	55	52	..	..	3
679	675	4	..	2,677	1,170	1,307	..	200
652	647	5	..	2,846	1,122	1,487	..	237
*655	*650	*5	..	3,387	1,584	1,555	..	249
*655	*650	*5	..	3,507	1,682	1,572	..	252

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
Guyana	2017	348	343	..	..	0	5	..
	2018	348	340	..	..	0	8	..
	2019	335	327	..	..	0	8	..
	2020	337	329	..	..	0	8	..
Haiti	2017	*344	*282	61	..	..	1	..
	2018	*352	*290	61	..	..	1	..
	2019	*471	*390	78	..	..	3	..
	2020	*471	*390	78	..	..	3	..
Honduras	2017	2,663	1,267	685	..	225	451	35
	2018	2,740	1,254	715	..	225	511	35
	2019	2,882	1,308	731	..	235	570	39
	2020	3,011	1,318	840	..	235	578	39
Jamaica	2017	1,041	871	29	..	101	40	..
	2018	1,045	874	29	..	102	40	..
	2019	*1,150	*962	29	..	*102	57	..
	2020	*1,156	*968	*29	..	*102	*57	..
Mexico	2017	74,431	54,388	12,628	1,608	4,180	642	985
	2018	89,351	62,010	12,643	1,634	5,887	2,579	4,598
	2019	93,111	63,521	13,301	1,721	6,073	3,663	4,832
	2020	95,045	63,521	13,301	1,721	6,504	5,166	4,832
Montserrat	2017	5	5	..	..	..	..	..
	2018	5	5	..	..	..	..	..
	2019	6	5	..	..	..	0	..
	2020	6	5	..	..	..	0	..
Nicaragua	2017	1,482	985	142	..	186	14	155
	2018	1,482	985	142	..	186	14	155
	2019	1,620	1,107	157	..	186	16	153
	2020	1,620	1,107	157	..	186	16	153
Panama	2017	3,423	1,225	1,777	..	270	143	8
	2018	4,055	1,811	1,777	..	270	189	8
	2019	4,091	1,819	1,796	..	270	198	8
	2020	4,117	1,819	1,806	..	270	213	8
Paraguay	2017	8,761	1	8,760	..	..	..	..
	2018	8,761	1	8,760	..	..	..	..
	2019	8,761	1	8,760	..	..	..	..
	2020	8,761	1	8,760	..	..	..	..
Peru	2017	14,775	9,005	5,246	..	240	284	..
	2018	15,214	9,154	5,363	..	372	325	..
	2019	15,162	9,062	5,397	..	372	331	..
	2020	15,229	9,072	5,417	..	409	331	..
Puerto Rico	2017	*6,264	*5,900	99	..	101	165	..
	2018	5,830	5,466	99	..	101	165	..
	2019	6,173	5,808	99	..	102	165	..
	2020	*6,126	*5,760	99	..	102	165	..
Sint Maarten (Dutch part)	2017	*88	*88	..	..	..	..	..
	2018	*92	*92	..	..	..	..	..
	2019	*96	*96	..	..	..	..	..
	2020	99	99	..	..	..	..	..
St. Kitts-Nevis	2017	65	60	..	..	2	2	..
	2018	71	67	..	..	2	2	..
	2019	*71	*67	..	..	2	2	..
	2020	*71	*67	..	..	2	2	..
St. Lucia	2017	88	88	..	..	..	..	..
	2018	91	88	..	..	..	3	..
	2019	91	88	..	..	..	3	..
	2020	91	88	..	..	..	3	..

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
50	50	..	..	298	293	..	..	5
51	51	..	..	297	289	..	..	8
42	42	..	..	293	285	..	..	8
42	42	..	..	295	287	..	..	8
*99	*99	..	..	*245	*183	61	..	1
*102	*102	..	..	*250	*188	61	..	1
*137	*137	..	..	*333	*253	78	..	3
*137	*137	..	..	*333	*253	78	..	3
394	394	..	..	2,269	873	685	..	711
369	369	..	..	2,371	885	715	..	771
455	398	0	57	2,427	910	730	..	787
561	496	0	65	2,450	823	840	..	787
380	262	..	118	661	609	29	..	23
380	262	..	118	665	612	29	..	24
*485	*350	..	*135	*665	*612	29	..	*24
*491	*356	..	*135	*665	*612	*29	..	*24
16,895	12,772	233	3,890	57,536	41,616	12,395	1,608	1,917
12,928	8,047	225	4,656	76,423	53,963	12,418	1,634	8,408
11,813	6,698	225	4,890	81,298	56,823	13,076	1,721	9,678
11,900	6,698	225	4,977	83,145	56,823	13,076	1,721	11,525
..	..	..	..	5	5	..	..	..
..	..	..	..	5	5	..	..	..
..	..	..	..	6	5	..	..	0
..	..	..	..	6	5	..	..	0
178	177	1	..	1,305	809	142	..	355
178	177	1	..	1,305	809	142	..	355
219	218	1	..	1,401	888	157	..	356
219	218	1	..	1,401	888	157	..	356
232	172	60	..	3,191	1,053	1,717	..	421
232	172	60	..	3,823	1,639	1,717	..	467
522	462	60	..	3,569	1,357	1,736	..	476
522	462	60	..	3,595	1,357	1,746	..	491
..	..	..	..	8,761	1	8,760	..	..
..	..	..	..	8,761	1	8,760	..	..
..	..	..	..	8,761	1	8,760	..	..
..	..	..	..	8,761	1	8,760	..	..
1,536	1,366	130	*40	13,239	7,639	5,116	..	484
1,563	1,392	131	*40	13,651	7,762	5,232	..	657
1,512	1,339	131	*42	13,650	7,723	5,266	..	661
1,439	1,266	131	42	13,790	7,807	5,286	..	698
*61	*61	..	..	*6,203	*5,839	99	..	266
*60	*60	..	..	5,770	5,406	99	..	266
60	60	..	..	6,113	5,748	99	..	267
*60	*60	..	..	*6,066	*5,700	99	..	267
..	..	..	..	*88	*88	..	..	..
..	..	..	..	*92	*92	..	..	..
..	..	..	..	*96	*96	..	..	..
..	..	..	..	99	99	..	..	..
*4	*4	..	..	61	56	..	..	4
*4	*4	..	..	67	63	..	..	4
*4	*4	..	..	*67	*63	..	..	4
*4	*4	..	..	*67	*63	..	..	4
..	..	..	..	88	88	..	..	..
..	..	..	..	91	88	..	..	3
..	..	..	..	91	88	..	..	3
..	..	..	..	91	88	..	..	3

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
St. Vincent-Grenadines	2017	48	41	6	..	..	1	..
	2018	46	38	6	..	..	2	..
	2019	48	40	6	..	..	2	..
	2020	54	44	6	..	..	4	..
Suriname	2017	502	307	189	..	..	6	..
	2018	505	309	189	..	..	7	..
	2019	503	316	180	..	..	7	..
	2020	490	302	180	..	..	8	..
Trinidad and Tobago	2017	2,509	2,506	..	..	0	3	..
	2018	2,156	2,153	..	..	0	3	..
	2019	2,118	2,115	..	..	0	3	..
	2020	2,517	2,513	..	..	0	4	..
Turks and Caicos Islands	2017	82	82	..	..	..	0	..
	2018	84	84	..	..	..	0	..
	2019	91	90	..	..	..	1	..
	2020	91	90	..	..	..	1	..
United States Virgin Is.	2017	336	316	..	..	0	*20	..
	2018	336	316	..	..	0	*20	..
	2019	*336	*316	..	..	0	*20	..
	2020	*337	*316	..	..	0	*21	..
Uruguay	2017	4,546	1,255	1,538	..	1,511	243	..
	2018	4,912	1,615	1,538	..	1,511	248	..
	2019	4,920	1,615	1,538	..	1,514	254	..
	2020	4,925	1,615	1,538	..	1,514	258	..
Venezuela (Bolivar. Rep.)	2017	33,013	17,732	15,137	..	138	5	*1
	2018	33,012	17,732	15,137	..	138	4	*1
	2019	32,620	17,487	15,011	..	116	5	*1
	2020	33,116	17,836	15,136	..	*138	5	*1
Northern America	2017	1,248,168	800,364	183,625	113,662	99,847	46,050	4,620
	2018	1,268,457	804,626	184,462	113,466	107,332	54,669	3,902
	2019	1,277,927	796,210	184,310	112,152	117,083	64,158	4,014
	2020	1,298,527	787,764	184,700	110,534	132,066	79,449	4,016
Bermuda	2017	*174	*171	..	..	..	*3	..
	2018	*176	*172	..	..	..	4	..
	2019	*176	*172	..	..	..	4	..
	2020	*177	*173	..	..	..	*4	..
Canada	2017	147,449	37,307	80,831	14,033	12,250	2,932	*96
	2018	148,937	37,323	81,570	14,033	12,816	3,095	*100
	2019	149,766	37,323	81,570	14,033	13,413	3,327	*100
	2020	150,245	37,323	81,570	14,033	13,588	3,651	*80
Greenland	2017	187	96	91	..	..	..	..
	2018	187	*96	91	..	..	..	..
	2019	187	*96	91	..	..	..	..
	2020	187	*96	91	..	..	..	..
St. Pierre-Miquelon	2017	25	25	..	..	0	..	..
	2018	26	26	..	..	0	..	..
	2019	26	26	..	..	0	..	..
	2020	26	26	..	..	0	..	..
United States	2017	1,100,333	762,765	102,703	99,629	87,597	43,115	4,524
	2018	1,119,131	767,009	102,801	99,433	94,516	51,570	3,802
	2019	1,127,772	758,593	102,649	98,119	103,670	60,827	3,914
	2020	1,147,892	750,146	103,039	96,501	118,478	75,794	3,936
Oceania	2017	84,789	56,134	14,233	..	5,580	7,554	1,288
	2018	87,641	56,717	14,522	..	6,211	8,880	1,311
	2019	92,956	56,725	14,535	..	7,053	13,279	1,365
	2020	100,567	58,130	14,537	..	8,150	18,350	1,399

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
0	..	..	0	48	41	6	..	1
0	..	..	0	45	38	6	..	2
0	..	..	0	48	40	6	..	2
2	..	..	2	52	44	6	..	2
285	96	189	..	217	211	..	..	6
285	96	189	..	220	213	..	..	7
276	96	180	..	227	220	..	..	7
276	96	180	..	214	206	..	..	8
*104	*104	..	..	2,405	2,402	..	..	3
*107	*107	..	..	2,049	2,046	..	..	3
*96	*96	..	..	2,022	2,019	..	..	3
*96	*96	..	..	2,421	2,417	..	..	4
..	..	..	..	82	82	..	..	0
..	..	..	..	84	84	..	..	0
..	..	..	..	91	90	..	..	1
..	..	..	..	91	90	..	..	1
*15	0	..	*15	321	316	..	..	5
*15	..	..	*15	321	316	..	..	5
*15	..	..	*15	*321	*316	..	..	5
*16	..	..	*16	*321	*316	..	..	5
480	432	..	48	4,066	823	1,538	..	1,705
483	433	..	51	4,428	1,182	1,538	..	1,708
491	433	..	59	4,429	1,182	1,538	..	1,709
495	433	..	63	4,430	1,182	1,538	..	1,710
*1,100	*1,010	..	90	31,913	16,722	15,137	..	54
*1,099	*1,010	..	89	31,913	16,722	15,137	..	54
*1,101	*1,010	..	91	31,519	16,477	15,011	..	31
*1,101	*1,010	..	*91	32,015	16,826	15,136	..	53
59,432	34,685	5,489	19,258	1,188,737	765,679	178,136	113,662	131,259
63,637	35,247	5,459	22,931	1,204,821	769,379	179,003	113,466	142,972
67,392	35,191	5,464	26,737	1,210,536	761,019	178,846	112,152	158,518
72,745	35,729	5,463	31,553	1,225,782	752,035	179,237	110,534	183,977
*7	*4	..	*3	*167	*167	..	..	..
9	5	..	4	*167	*167	..	..	..
9	5	..	4	*167	*167	..	..	..
10	6	..	*4	*167	*167	..	..	..
12,071	5,559	5,132	1,380	135,378	31,748	75,699	14,033	13,898
12,412	5,674	5,175	1,563	136,525	31,649	76,395	14,033	14,448
12,525	5,674	5,175	1,676	137,241	31,649	76,395	14,033	15,164
12,706	5,674	5,175	1,857	137,539	31,649	76,395	14,033	15,462
16	16	..	..	171	80	91	..	..
*16	*16	..	..	171	*80	91	..	..
*16	*16	..	..	171	*80	91	..	..
*16	*16	..	..	171	*80	91	..	..
..	..	..	..	25	25	..	..	0
..	..	..	..	26	26	..	..	0
..	..	..	..	26	26	..	..	0
..	..	..	..	26	26	..	..	0
47,338	29,106	357	17,875	1,052,995	733,659	102,346	99,629	117,361
51,200	29,552	284	21,364	1,067,931	737,457	102,517	99,433	128,524
54,842	29,496	289	25,057	1,072,930	729,097	102,360	98,119	143,354
60,013	30,033	288	29,692	1,087,879	720,113	102,750	96,501	168,515
15,004	7,907	99	6,998	69,785	48,227	14,134	..	7,425
16,030	8,510	98	7,422	71,611	48,206	14,424	..	8,980
18,563	9,247	98	9,218	74,393	47,478	14,437	..	12,478
21,896	9,855	98	11,943	78,670	48,275	14,439	..	15,956

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	2017	46	42	..	..	..	4	..
	2018	47	42	..	..	..	5	..
	2019	47	42	..	..	..	5	..
	2020	*47	*42	..	..	..	5	..
Australia	2017	71,656	51,218	8,271	..	4,812	7,354	1
	2018	74,291	51,700	8,523	..	5,442	8,626	0
	2019	79,312	51,540	8,523	..	6,279	12,970	0
	2020	86,711	52,826	8,523	..	7,376	17,986	0
Cook Islands	2017	*14	*11	..	..	..	3	..
	2018	*16	*11	..	..	..	5	..
	2019	*16	*11	..	..	..	5	..
	2020	*16	*11	..	..	..	5	..
Fiji	2017	*360	*194	138	..	*21	7	..
	2018	*363	*194	138	..	*21	10	..
	2019	*363	*194	138	..	*21	10	..
	2020	*363	*194	138	..	*21	10	..
French Polynesia	2017	268	185	47	..	0	36	..
	2018	271	186	47	..	0	38	..
	2019	277	186	49	..	0	41	..
	2020	281	186	49	..	0	45	..
Guam	2017	446	420	..	..	0	26	..
	2018	446	420	..	..	0	26	..
	2019	445	420	..	..	0	25	..
	2020	445	420	..	..	0	25	..
Kiribati	2017	*11	*8	..	..	..	3	..
	2018	*11	*8	..	..	..	3	..
	2019	*11	*8	..	..	..	3	..
	2020	*11	*8	..	..	..	*3	..
Marshall Islands	2017	*35	*33	..	..	..	2	..
	2018	*35	*33	..	..	..	2	..
	2019	32	30	..	..	..	2	..
	2020	*32	*30	..	..	..	2	..
Micronesia (Fed. States of)	2017	*34	*32	1	..	..	1	..
	2018	*35	*32	1	..	1	2	..
	2019	*35	*32	1	..	1	2	..
	2020	*35	*32	1	..	*1	*2	..
Nauru	2017	*8	*7	..	..	..	1	..
	2018	*14	*13	..	..	..	1	..
	2019	*14	*13	..	..	..	1	..
	2020	18	16	..	..	..	2	..
New Caledonia	2017	*1,020	*875	78	..	54	13	..
	2018	*1,044	*875	78	..	54	37	..
	2019	*1,072	*875	78	..	57	62	..
	2020	*1,093	*875	81	..	*57	*80	..
New Zealand	2017	9,656	2,239	5,426	..	689	71	1,231
	2018	9,704	2,242	5,426	..	689	92	1,255
	2019	9,737	2,242	5,434	..	689	117	1,255
	2020	9,902	2,346	5,434	..	689	144	1,289
Niue	2017	*2	*2	..	..	..	0	..
	2018	*2	*2	..	..	..	0	..
	2019	*3	*2	..	..	..	1	..
	2020	*3	*2	..	..	..	*1	..
Northern Mariana Islands	2017	*63	*63	..	..	..	..	..
	2018	*63	*63	..	..	..	..	..
	2019	*63	*63	..	..	..	..	..
	2020	*65	*63	..	..	..	*2	..

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
..	..	..	..	46	42	..	..	4
..	..	..	..	47	42	..	..	5
..	..	..	..	47	42	..	..	5
..	..	..	..	*47	*42	..	..	5
13,928	7,084	..	6,844	57,728	44,134	8,271	..	5,323
14,929	7,687	..	7,242	59,362	44,013	8,523	..	6,826
17,376	8,424	..	8,952	61,936	43,116	8,523	..	10,297
20,683	9,038	..	11,645	66,028	43,788	8,523	..	13,717
..	..	..	..	*14	*11	..	..	3
..	..	..	..	*16	*11	..	..	5
..	..	..	..	*16	*11	..	..	5
..	..	..	..	*16	*11	..	..	5
54	54	..	..	*306	*140	138	..	*28
54	54	..	..	*309	*140	138	..	*31
54	54	..	..	*309	*140	138	..	*31
54	54	..	..	*309	*140	138	..	*31
..	..	..	..	268	185	47	..	36
..	..	..	..	271	186	47	..	38
..	..	..	..	277	186	49	..	41
..	..	..	..	281	186	49	..	46
..	..	..	..	446	420	..	..	26
..	..	..	..	446	420	..	..	26
..	..	..	..	445	420	..	..	25
..	..	..	..	445	420	..	..	25
*1	*1	..	..	*10	*7	..	..	3
*1	*1	..	..	*10	*7	..	..	3
*1	*1	..	..	*10	*7	..	..	3
*1	*1	..	..	*10	*7	..	..	*3
..	..	..	..	*35	*33	..	..	2
..	..	..	..	*35	*33	..	..	2
..	..	..	..	32	30	..	..	2
..	..	..	..	*32	*30	..	..	2
..	..	..	..	*34	*32	1	..	1
..	..	..	..	*35	*32	1	..	3
..	..	..	..	*35	*32	1	..	3
..	..	..	..	*35	*32	1	..	*3
..	..	..	..	*8	*7	..	..	1
..	..	..	..	*14	*13	..	..	1
..	..	..	..	*14	*13	..	..	1
..	..	..	..	18	16	..	..	2
*63	*60	..	3	*957	*815	78	..	64
*68	*60	..	8	*976	*815	78	..	83
*75	*60	..	*15	*997	*815	78	..	104
*80	*60	..	*20	*1,013	*815	81	..	*117
353	255	3	95	9,303	1,984	5,423	..	1,896
374	255	3	116	9,330	1,987	5,423	..	1,920
399	255	3	141	9,338	1,987	5,431	..	1,920
420	249	3	168	9,482	2,097	5,431	..	1,954
..	..	..	..	*2	*2	..	..	0
..	..	..	..	*2	*2	..	..	0
..	..	..	..	*3	*2	..	..	1
..	..	..	..	*3	*2	..	..	*1
..	..	..	..	*63	*63	..	..	..
..	..	..	..	*63	*63	..	..	..
..	..	..	..	*63	*63	..	..	..
..	..	..	..	*65	*63	..	..	*2

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	2017	*40	*39	..	..	..	1	..
	2018	*40	*39	..	..	..	2	..
	2019	*41	*39	..	..	..	3	..
	2020	*41	*39	..	..	..	*3	..
Papua New Guinea	2017	*971	*656	*258	..	..	1	56
	2018	*1,102	*750	295	..	..	1	56
	2019	*1,325	*919	295	..	..	1	110
	2020	*1,336	*930	*295	..	..	*1	*110
Samoa	2017	53	*23	13	..	1	17	..
	2018	*54	*23	13	..	1	*18	..
	2019	*56	*23	14	..	1	*18	..
	2020	*58	*24	14	..	1	*20	..
Solomon Islands	2017	*35	*32	0	..	..	3	..
	2018	*35	*32	0	..	..	3	..
	2019	*35	*32	0	..	..	3	..
	2020	35	32	0	..	..	3	..
Tonga	2017	24	18	..	..	0	6	..
	2018	24	18	..	..	0	6	..
	2019	25	18	..	..	1	6	..
	2020	*25	*18	..	..	2	6	..
Tuvalu	2017	*5	*3	..	..	..	2	..
	2018	5	3	..	..	..	2	..
	2019	*5	*3	..	..	..	2	..
	2020	*5	*3	..	..	..	*3	..
Vanuatu	2017	33	26	1	..	3	3	..
	2018	31	24	1	..	3	3	..
	2019	33	25	1	..	3	3	..
	2020	33	26	1	..	3	3	..
Wallis and Futuna Is.	2017	9	9	0	..	..	0	..
	2018	9	9	0	..	..	0	..
	2019	9	9	0	..	..	0	..
	2020	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	..	..	*38	*37	..	..	1
*2	*2	..	..	*38	*37	..	..	2
*2	*2	..	..	*39	*37	..	..	3
*2	*2	..	..	*39	*37	..	..	*3
*602	*450	*96	56	*369	*206	*162	..	1
*601	*450	*95	56	*501	*300	200	..	1
*655	*450	*95	110	*670	*469	200	..	1
*655	*450	*95	*110	*681	*480	*200	..	*1
0	..	..	0	53	*23	13	..	18
0	..	..	0	*54	*23	13	..	*19
0	..	..	0	*56	*23	14	..	*19
0	..	..	0	*58	*24	14	..	*21
1	1	..	..	*34	*31	0	..	3
1	1	..	..	*34	*31	0	..	3
1	1	..	..	*34	*31	0	..	3
1	1	..	..	34	31	0	..	3
..	..	..	..	24	18	..	..	6
..	..	..	..	24	18	..	..	6
..	..	..	..	25	18	..	..	7
..	..	..	..	*25	*18	..	..	8
..	..	..	..	*5	*3	..	..	2
..	..	..	..	5	3	..	..	2
..	..	..	..	*5	*3	..	..	2
..	..	..	..	*5	*3	..	..	*3
..	..	..	..	33	26	1	..	6
..	..	..	..	31	24	1	..	6
..	..	..	..	33	25	1	..	6
..	..	..	..	33	26	1	..	6
..	..	..	..	9	9	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, 2020

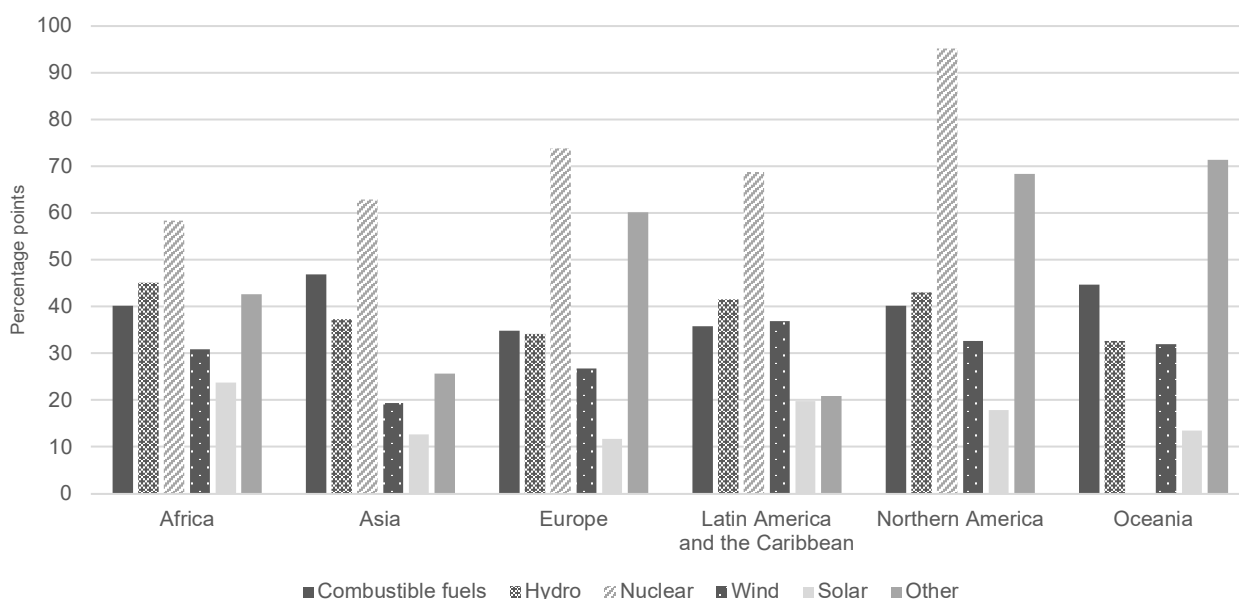


Table 31

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	2017	43	46	38	75	25	12	61
	2018	42	46	38	76	26	13	43
	2019	41	45	38	79	26	14	42
	2020	39	43	38	76	25	13	34
Africa	2017	45	46	42	93	28	20	49
	2018	43	44	44	68	29	18	54
	2019	42	42	45	78	36	20	45
	2020	40	40	45	58	31	24	43
Algeria	2017	44	46	3	..	22	15	..
	2018	41	42	6	..	12	17	..
	2019	43	44	8	..	13	17	..
	2020	42	43	2	..	9	17	..
Angola	2017	28	17	37	..	..	16	..
	2018	29	15	41	..	..	16	..
	2019	29	15	46	..	..	16	..
	2020	26	14	37	..	..	16	..
Benin	2017	10	12	0	..	..	11	..
	2018	6	7	0	..	..	12	..
	2019	12	14	0	..	..	13	..
	2020	22	26	0	..	..	12	..
Botswana	2017	46	46	..	..	..	7	..
	2018	44	45	..	..	..	15	..
	2019	37	38	..	..	..	9	..
	2020	34	34	..	..	..	12	..
Burkina Faso	2017	38	37	46	..	..	27	..
	2018	33	34	33	..	..	26	..
	2019	22	23	37	..	..	11	..
	2020	18	17	40	..	..	11	..
Burundi	2017	30	51	24	..	..	18	..
	2018	32	35	31	..	..	18	..
	2019	35	43	31	..	..	18	..
	2020	36	30	42	..	..	18	..
Cabo Verde	2017	27	27	..	..	29	10	..
	2018	28	26	..	..	38	16	..
	2019	27	27	..	..	35	15	..
	2020	27	28	..	..	26	9	..
Cameroon	2017	45	27	75	..	..	15	..
	2018	59	44	78	..	..	16	..
	2019	55	40	73	..	..	16	..
	2020	59	44	76	..	..	16	..
Central African Rep.	2017	37	1	66	..	..	16	..
	2018	38	1	67	..	..	16	..
	2019	38	1	68	..	..	16	..
	2020	39	1	68	..	..	15	..
Chad	2017	40	40	..	..	93	..	..
	2018	41	40	..	..	93	..	..
	2019	42	41	..	..	93	..	..
	2020	44	43	..	..	93	..	..
Comoros	2017	29	30	..	..	..	..	..
	2018	32	33	..	..	..	..	..
	2019	35	36	..	..	..	..	..
	2020	42	43	..	..	..	..	..
Congo	2017	51	45	64	..	..	12	..
	2018	54	51	58	..	..	16	..
	2019	63	72	45	..	..	16	..
	2020	53	54	48	..	..	16	..

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
43	50	46	16	42	45	38	75	21
41	48	41	15	43	46	38	76	21
39	47	40	15	42	45	38	79	21
37	46	38	14	40	43	38	76	20
23	24	12	20	48	49	42	93	35
24	24	17	20	46	46	44	68	34
26	26	14	23	44	44	45	78	34
26	27	14	22	42	42	46	58	33
14	14	..	..	53	55	3	..	15
10	10	..	..	54	56	6	..	17
10	10	..	..	58	60	8	..	17
9	9	..	..	56	58	2	..	17
20	20	..	..	28	17	37	..	16
19	19	..	..	30	15	41	..	16
16	16	..	..	29	15	46	..	16
15	15	..	..	26	14	37	..	16
25	25	..	..	8	10	0	..	11
29	29	..	..	3	4	0	..	12
40	41	..	10	9	10	0	..	13
41	42	..	9	20	24	0	..	13
..	..	..	..	47	47	..	..	7
..	..	..	..	44	45	..	..	15
..	..	..	..	37	38	..	..	9
..	..	..	..	34	34	..	..	12
..	..	..	..	38	37	46	..	27
..	..	..	..	33	34	33	..	26
..	..	..	..	22	23	37	..	11
..	..	..	..	18	17	40	..	11
19	19	..	..	31	60	24	..	18
16	16	..	..	33	37	31	..	18
15	15	..	..	36	46	31	..	18
16	16	..	..	37	32	42	..	18
17	17	..	..	27	27	..	..	25
18	18	..	..	28	26	..	..	33
18	18	..	..	27	27	..	..	31
18	18	..	..	27	28	..	..	22
47	47	..	..	44	5	75	..	15
57	57	..	..	60	13	78	..	16
53	53	..	..	57	10	73	..	16
59	59	..	..	59	8	76	..	16
..	..	..	..	37	1	66	..	16
..	..	..	..	38	1	67	..	16
..	..	..	..	38	1	68	..	16
..	..	..	..	39	1	68	..	15
..	..	..	..	40	40	..	..	93
..	..	..	..	41	40	..	..	93
..	..	..	..	42	41	..	..	93
..	..	..	..	44	43	..	..	93
..	..	..	..	30	30	..	..	..
..	..	..	..	33	33	..	..	..
..	..	..	..	36	36	..	..	..
..	..	..	..	43	43	..	..	..
50	50	..	..	54	..	64	..	12
57	57	..	..	49	..	58	..	16
79	79	..	..	38	..	45	..	16
58	58	..	..	40	..	48	..	16

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	2017	52	70	27	..	..	..	..
	2018	52	62	38	..	..	..	..
	2019	55	61	45	..	..	26	..
	2020	57	67	44	..	..	10	..
Dem. Rep. of the Congo	2017	37	47	36	..	..	..	..
	2018	43	72	42	..	..	16	..
	2019	43	69	42	..	..	17	..
	2020	46	69	45	..	..	17	..
Djibouti	2017	5	5	..	..	..	17	..
	2018	5	5	..	..	..	17	..
	2019	8	8	..	..	..	17	..
	2020	11	11	..	..	..	17	..
Egypt	2017	47	47	52	..	34	47	..
	2018	41	41	51	..	26	32	..
	2019	38	38	53	..	37	17	..
	2020	38	37	61	..	35	33	..
Equatorial Guinea	2017	27	46	15	..	..	..	..
	2018	28	47	15	..	..	..	..
	2019	28	47	16	..	..	..	..
	2020	28	47	16	..	..	..	..
Eritrea	2017	18	18	..	..	28	7	..
	2018	18	19	..	..	28	6	..
	2019	18	19	..	..	28	6	..
	2020	19	20	..	..	28	6	..
Eswatini	2017	26	29	19	..	..	13	..
	2018	31	30	34	..	..	12	..
	2019	37	33	44	..	..	15	..
	2020	34	33	37	..	..	15	..
Ethiopia	2017	33	2	35	..	19	21	..
	2018	35	3	38	..	19	21	..
	2019	39	3	41	..	30	21	..
	2020	39	3	42	..	21	18	..
Gabon	2017	49	43	61	..	..	22	..
	2018	35	36	34	..	..	22	..
	2019	34	33	34	..	..	22	..
	2020	35	36	34	..	..	22	..
Gambia	2017	30	30	..	..	1	18	..
	2018	36	36	..	..	1	18	..
	2019	38	39	..	..	1	18	..
	2020	39	40	..	..	1	19	..
Ghana	2017	35	33	41	..	..	14	..
	2018	37	34	43	..	..	9	..
	2019	39	34	52	..	..	14	..
	2020	44	40	53	..	..	11	..
Guinea	2017	33	25	38	..	..	..	..
	2018	36	34	37	..	..	..	..
	2019	37	33	40	..	..	..	..
	2020	29	30	29	..	..	..	..
Guinea-Bissau	2017	33	34	..	..	..	11	..
	2018	34	35	..	..	..	11	..
	2019	34	35	..	..	..	23	..
	2020	34	34	..	..	..	23	..
Kenya	2017	51	39	38	..	27	..	83
	2018	42	16	55	..	13	3	93
	2019	42	16	44	..	53	21	72
	2020	42	9	58	..	45	19	67

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
86	86	..	..	52	70	27	..	..
30	30	..	..	53	63	38	..	..
32	32	..	..	55	62	45	..	26
36	36	..	..	58	67	44	..	10
13	61	4	..	42	2	42	..	..
25	90	8	..	48	2	48	..	16
22	86	4	..	48	2	49	..	17
22	86	5	..	52	2	53	..	17
..	..	..	..	5	5	..	..	17
..	..	..	..	5	5	..	..	17
..	..	..	..	8	8	..	..	17
..	..	..	..	11	11	..	..	17
31	31	..	..	48	48	52	..	36
34	34	..	..	41	41	51	..	27
64	64	..	..	37	37	53	..	28
64	64	..	..	37	36	61	..	34
..	..	..	..	27	46	15	..	..
..	..	..	..	28	47	15	..	..
..	..	..	..	28	47	16	..	..
..	..	..	..	28	47	16	..	..
18	18	..	..	18	18	..	..	8
21	21	..	..	18	19	..	..	7
21	21	..	..	18	19	..	..	7
18	18	..	..	19	20	..	..	7
32	32	15	13	17	..	19	..	..
32	33	15	12	30	..	34	..	..
32	33	15	15	44	..	44	..	..
33	33	15	15	38	..	38	..	..
11	11	..	..	33	0	35	..	18
11	11	..	..	35	1	38	..	18
11	11	..	..	39	1	41	..	29
11	11	..	..	39	1	42	..	21
37	37	30	22	51	44	62	..	..
29	29	32	22	36	37	34	..	..
29	29	32	22	34	34	34	..	..
32	32	32	22	36	37	34	..	..
12	12	..	..	37	38	..	..	12
12	12	..	..	45	46	..	..	12
12	12	..	..	47	49	..	..	12
12	12	..	..	48	49	..	..	12
10	10	..	..	37	34	41	..	14
10	10	..	..	38	36	43	..	9
10	10	..	..	40	35	52	..	14
..	..	..	..	44	40	53	..	11
35	35	..	..	32	9	38	..	..
48	48	..	..	32	13	37	..	..
48	48	..	..	34	13	40	..	..
36	36	..	..	27	13	29	..	..
39	39	..	..	32	33	..	..	11
41	41	..	..	32	33	..	..	11
40	40	..	..	33	33	..	..	23
40	40	..	..	32	33	..	..	23
53	53	..	..	51	38	38	..	81
4	4	..	..	47	21	55	..	62
7	7	..	..	47	20	44	..	65
5	5	..	..	46	11	58	..	59

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	2017	76	14	77	..	..	..	..
	2018	79	14	80	..	..	..	..
	2019	60	15	60	..	..	..	..
	2020	65	14	66	..	..	..	..
Liberia	2017	28	40	15	..	..	17	..
	2018	24	32	15	..	..	15	..
	2019	24	33	15	..	..	15	..
	2020	28	36	18	..	..	15	..
Libya	2017	37	37	..	..	..	18	..
	2018	37	37	..	..	..	18	..
	2019	38	38	..	..	..	18	..
	2020	32	32	..	..	..	18	..
Madagascar	2017	31	25	54	..	30	20	..
	2018	34	24	67	..	30	13	..
	2019	42	35	61	..	30	18	..
	2020	38	32	57	..	30	18	..
Malawi	2017	37	3	58	..	..	23	..
	2018	35	21	44	..	..	26	..
	2019	37	7	53	..	..	82	..
	2020	35	4	50	..	..	80	..
Mali	2017	34	39	29	..	..	19	..
	2018	36	41	32	..	..	19	..
	2019	39	44	35	..	..	19	..
	2020	38	45	36	..	..	11	..
Mauritania	2017	27	28	..	..	34	13	..
	2018	25	26	..	..	35	19	..
	2019	25	26	..	..	35	19	..
	2020	26	26	..	..	44	18	..
Mauritius	2017	43	46	17	..	16	16	..
	2018	41	46	24	..	16	8	..
	2019	44	50	19	..	17	16	..
	2020	38	44	22	..	20	16	..
Morocco	2017	30	34	10	..	33	23	..
	2018	32	35	13	..	37	42	..
	2019	33	36	11	..	43	25	..
	2020	32	36	8	..	36	23	..
Mozambique	2017	76	97	73	..	..	1	..
	2018	72	83	72	..	..	0	..
	2019	78	97	77	..	..	4	..
	2020	78	78	81	..	..	8	..
Namibia	2017	36	5	52	..	11	18	..
	2018	28	2	38	..	40	30	..
	2019	26	5	31	..	39	29	..
	2020	37	7	50	..	39	29	..
Niger	2017	22	22	..	..	..	19	..
	2018	18	18	..	..	..	19	..
	2019	22	23	..	..	..	14	..
	2020	23	23	..	..	..	19	..
Nigeria	2017	30	28	42	..	11	17	..
	2018	31	29	42	..	11	17	..
	2019	32	29	46	..	11	17	..
	2020	31	29	42	..	11	17	..
Rwanda	2017	38	36	45	..	..	16	..
	2018	38	38	42	..	..	17	..
	2019	40	37	47	..	..	17	..
	2020	40	31	54	..	..	17	..

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
..	..	..	..	76	14	77	..	..
..	..	..	..	79	14	80	..	..
..	..	..	..	60	15	60	..	..
..	..	..	..	65	14	66	..	..
32	33	..	17	26	58	15	..	..
32	33	..	15	19	29	15	..	..
32	33	..	15	20	34	15	..	..
32	33	..	15	25	42	18	..	..
..	..	..	..	37	37	..	..	18
..	..	..	..	37	37	..	..	18
..	..	..	..	38	38	..	..	18
..	..	..	..	32	32	..	..	18
28	28	..	..	32	24	54	..	20
29	29	..	..	35	23	67	..	13
31	31	..	..	44	37	61	..	18
33	33	..	..	39	32	57	..	18
3	3	2	..	57	13	59	..	23
20	21	11	..	43	63	44	..	26
7	7	11	..	55	63	53	..	82
4	3	11	..	53	63	51	..	80
42	43	..	19	32	36	29	..	16
44	46	..	19	34	36	32	..	17
46	48	..	19	37	40	35	..	20
39	48	..	5	38	41	36	..	23
49	49	..	..	23	23	..	..	22
46	46	..	..	22	21	..	..	23
44	44	..	..	22	22	..	..	23
45	45	..	..	23	22	..	..	25
65	72	..	15	29	30	17	..	7
56	69	..	9	30	32	24	..	6
61	80	..	16	33	35	19	..	6
55	75	..	16	27	27	22	..	7
4	..	..	2	41	53	10	..	31
4	..	..	2	43	54	13	..	38
5	1	..	2	43	53	11	..	37
5	1	..	2	41	53	8	..	31
47	47	..	..	76	99	73	..	1
50	50	..	..	72	84	72	..	0
53	53	..	..	78	99	77	..	4
57	57	..	..	78	79	81	..	8
..	..	..	..	36	5	52	..	17
..	..	..	..	28	2	38	..	31
..	..	..	..	26	5	31	..	30
..	..	..	..	37	7	50	..	29
5	2	..	19	27	27	..	..	..
7	2	..	19	21	21	..	..	..
13	12	..	14	25	25	..	..	..
15	13	..	19	26	26	..	..	..
19	19	45	16	34	31	42	..	..
20	20	45	16	35	33	42	..	..
20	19	49	16	37	35	46	..	..
20	19	45	17	35	33	42	..	..
23	23	..	..	38	36	45	..	16
23	23	..	..	38	38	42	..	17
23	23	..	..	40	37	47	..	17
23	23	..	..	40	31	54	..	17

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	2017	44	46	25	..	..	14	..
	2018	44	45	29	..	..	14	..
	2019	42	44	29	..	..	14	..
	2020	42	44	29	..	..	14	..
Senegal	2017	50	55	..	..	..	11	..
	2018	44	49	..	..	..	6	..
	2019	35	41	..	..	5	20	..
	2020	43	52	..	..	16	26	..
Seychelles	2017	38	39	..	..	11	17	..
	2018	38	40	..	..	14	10	..
	2019	39	41	..	..	9	11	..
	2020	43	45	..	..	11	16	..
Sierra Leone	2017	25	13	42	..	..	17	..
	2018	26	13	42	..	..	17	..
	2019	21	3	44	..	..	17	..
	2020	29	4	44	..	..	17	..
Somalia	2017	46	50	..	..	20	18	..
	2018	46	50	..	..	20	18	..
	2019	46	50	..	..	20	18	..
	2020	43	49	..	..	20	18	..
South Africa	2017	53	57	17	93	25	21	..
	2018	52	57	19	68	32	16	..
	2019	49	52	19	78	33	21	..
	2020	46	50	20	58	27	22	..
South Sudan	2017	47	51	..	..	..	4	..
	2018	48	51	..	..	..	13	..
	2019	48	52	..	..	..	15	..
	2020	48	52	..	..	..	15	..
St. Helena and Depend.	2017	12	13	..	..	8	11	..
	2018	11	12	..	..	11	11	..
	2019	11	14	..	..	8	7	..
	2020	11	13	..	..	8	7	..
Sudan	2017	47	36	61	..	..	6	..
	2018	47	38	58	..	..	4	..
	2019	49	39	61	..	..	3	..
	2020	49	39	61	..	..	2	..
Togo	2017	40	43	35	..	..	11	..
	2018	30	28	34	..	..	11	..
	2019	36	34	41	..	..	12	..
	2020	31	34	25	..	..	16	..
Tunisia	2017	46	48	3	..	21	31	..
	2018	50	51	3	..	22	31	..
	2019	43	43	12	..	24	33	..
	2020	40	40	8	..	22	30	..
Uganda	2017	48	24	55	..	..	13	..
	2018	47	23	55	..	..	9	..
	2019	40	17	45	..	..	17	..
	2020	40	14	46	..	..	22	..
United Rep. of Tanzania	2017	59	67	48	..	..	20	..
	2018	53	55	48	..	..	40	..
	2019	59	65	49	..	..	40	..
	2020	56	54	62	..	..	18	..
Zambia	2017	57	44	59	..	..	20	..
	2018	63	55	65	..	..	12	..
	2019	57	58	59	..	..	15	..
	2020	57	47	61	..	..	19	..

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
..	..	..	..	44	46	25	..	14
..	..	..	..	44	45	29	..	14
..	..	..	..	42	44	29	..	14
..	..	..	..	42	44	29	..	14
24	28	..	9	71	71	..	..	..
26	33	..	5	57	57	..	..	..
25	30	..	9	40	45	..	..	15
20	22	..	11	53	64	..	..	20
35	35	..	..	39	41	..	..	13
35	35	..	..	39	41	..	..	12
36	36	..	..	40	42	..	..	10
36	36	..	..	44	47	..	..	13
23	23	..	..	25	13	42	..	17
23	23	..	..	26	13	42	..	17
23	23	..	..	21	2	44	..	17
23	23	..	..	29	2	44	..	17
..	..	..	..	46	50	..	..	19
..	..	..	..	46	50	..	..	19
..	..	..	..	46	50	..	..	19
..	..	..	..	43	49	..	..	18
33	54	26	23	56	57	17	93	39
35	63	14	22	55	57	19	68	78
38	64	8	26	51	52	19	78	80
37	66	11	24	48	49	21	58	72
11	11	..	18	64	72	..	..	2
13	12	..	59	63	71	..	..	7
14	12	..	67	64	72	..	..	8
14	13	..	67	64	72	..	..	8
..	..	..	..	12	13	..	..	9
..	..	..	..	11	12	..	..	11
..	..	..	..	11	14	..	..	8
..	..	..	..	11	13	..	..	7
7	7	..	..	49	39	61	..	6
7	7	..	..	49	42	58	..	4
6	6	..	..	51	42	61	..	3
6	6	..	..	51	43	61	..	2
7	5	..	11	42	45	35	..	..
7	5	..	11	31	29	34	..	..
10	9	..	11	37	36	41	..	..
9	5	..	14	32	35	25	..	..
55	47	..	31	46	48	3	..	21
64	58	..	31	49	51	3	..	22
66	61	..	37	41	43	12	..	23
58	60	..	32	39	40	8	..	21
30	22	37	..	52	26	58	..	14
35	25	45	..	50	22	57	..	9
31	23	37	..	42	12	47	..	18
31	22	38	..	42	7	48	..	22
10	3	..	20	61	70	48	..	..
5	0	..	40	60	68	48	..	..
5	0	..	40	67	81	49	..	..
3	0	..	18	65	68	62	..	..
26	26	..	..	57	46	59	..	20
26	26	..	..	64	57	65	..	12
26	26	..	..	58	60	59	..	15
26	26	..	..	57	48	61	..	19

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	2017	43	32	60	..	..	..	..
	2018	46	39	55	..	..	..	..
	2019	41	39	44	..	..	..	..
	2020	32	26	40	..	..	15	..
Asia	2017	43	49	36	52	19	11	59
	2018	43	49	36	56	22	12	31
	2019	42	48	38	63	22	13	31
	2020	40	47	37	63	19	13	26
Afghanistan	2017	31	15	37	..	..	..	..
	2018	28	17	32	..	..	..	..
	2019	34	15	41	..	..	20	..
	2020	28	11	35	..	..	20	..
Armenia	2017	25	18	20	73	8	7	..
	2018	25	21	20	58	7	12	..
	2019	24	19	20	62	9	16	..
	2020	24	20	15	77	5	17	..
Azerbaijan	2017	35	38	18	..	16	15	..
	2018	37	40	18	..	14	13	..
	2019	39	43	16	..	18	14	..
	2020	39	44	11	..	17	15	..
Bahrain	2017	48	48	..	..	11	21	..
	2018	48	48	..	..	11	21	..
	2019	55	55	..	..	11	23	..
	2020	55	55	..	..	11	11	..
Bangladesh	2017	68	69	52	..	68	19	..
	2018	59	59	54	..	68	25	..
	2019	53	53	38	..	68	29	..
	2020	44	44	44	..	18	36	..
Bhutan	2017	54	0	55	..	21	16	..
	2018	49	0	49	..	21	16	..
	2019	43	0	43	..	21	16	..
	2020	55	0	56	..	21	16	..
Brunei Darussalam	2017	48	48	..	..	..	19	..
	2018	49	49	..	..	..	15	..
	2019	51	51	..	..	..	15	..
	2020	58	58	..	..	..	9	..
Cambodia	2017	42	53	33	..	..	6	..
	2018	45	48	43	..	..	19	..
	2019	42	53	36	..	..	11	..
	2020	34	39	35	..	..	12	..
China	2017	41	47	40	79	21	9	13
	2018	42	49	40	75	23	12	10
	2019	41	48	42	82	22	13	11
	2020	39	47	42	84	19	12	9
China, Hong Kong SAR	2017	34	34	..	..	..	..	..
	2018	34	34	..	..	..	..	..
	2019	34	34	..	..	..	..	..
	2020	31	31	..	..	..	..	..
China, Macao SAR	2017	38	38	..	..	..	..	..
	2018	17	17	..	..	..	..	..
	2019	22	22	..	..	..	..	..
	2020	15	15	..	..	..	..	..
Cyprus	2017	32	35	..	..	15	18	..
	2018	32	35	..	..	16	19	..
	2019	32	35	..	..	17	16	..
	2020	29	33	..	..	17	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
42	42	..	..	43	32	60	..	..
52	52	..	..	46	39	55	..	..
53	53	..	..	41	38	44	..	..
28	28	..	..	33	26	40	..	15
47	55	39	18	42	48	36	52	17
43	50	21	16	43	49	36	56	18
41	48	21	16	42	48	38	63	18
39	47	19	15	40	47	37	63	16
19	1	28	..	39	27	42	..	..
17	1	25	..	34	31	35	..	..
18	1	26	..	44	29	49	..	20
18	1	26	..	34	19	40	..	20
13	..	..	13	25	18	20	73	5
16	..	..	16	25	21	20	58	7
16	..	..	16	24	19	20	62	13
17	..	..	17	24	20	15	77	13
31	31	..	28	35	39	18	..	13
28	28	..	0	38	42	18	..	14
28	28	..	0	40	46	16	..	17
29	29	10	0	40	46	11	..	16
42	42	..	..	52	52	..	..	19
44	44	..	..	52	52	..	..	19
57	57	..	..	53	53	..	..	21
58	58	..	..	52	52	..	..	11
82	82	..	..	65	66	52	..	19
42	42	..	..	66	67	54	..	25
27	27	..	..	70	72	38	..	29
23	23	..	..	56	56	44	..	35
..	..	..	..	54	0	55	..	20
..	..	..	..	49	0	49	..	20
..	..	..	..	43	0	43	..	20
..	..	..	..	55	0	56	..	20
42	42	..	..	49	49	..	..	19
43	43	..	..	50	50	..	..	15
44	44	..	..	52	53	..	..	15
81	81	..	..	52	52	..	..	9
..	..	..	..	42	53	33	..	6
..	..	..	..	45	48	43	..	19
..	..	..	..	42	53	36	..	11
..	..	..	..	34	39	35	..	12
99	99	..	..	40	45	40	79	16
92	92	..	..	41	47	40	75	17
88	88	..	..	40	46	42	82	17
87	87	..	..	38	45	42	84	16
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	31	31	..	..	..
81	81	..	..	35	35	..	..	..
70	70	..	..	13	13	..	..	..
85	85	..	..	17	17	..	..	..
74	74	..	..	10	10	..	..	..
17	14	..	20	33	35	..	..	16
18	16	..	20	33	35	..	..	17
17	20	..	16	33	36	..	..	17
14	20	..	12	30	33	..	..	17

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
Georgia	2017	37	30	39	..	50	..	..
	2018	39	28	42	..	48	..	..
	2019	36	29	39	..	46	..	..
	2020	34	33	35	..	49	..	..
India	2017	42	50	32	65	12	11	54
	2018	41	48	34	64	19	16	..
	2019	41	47	39	78	20	17	..
	2020	38	45	40	72	18	17	..
Indonesia	2017	49	51	34	..	10	30	54
	2018	48	49	30	..	..	2	71
	2019	48	50	29	..	..	1	70
	2020	46	48	29	..	..	1	72
Iran (Islamic Rep. of)	2017	46	52	14	84	13	5	23
	2018	45	50	15	83	21	14	..
	2019	46	51	15	66	21	13	..
	2020	46	52	15	65	21	16	..
Iraq	2017	37	38	14	..	..	18	..
	2018	34	36	12	..	..	20	..
	2019	37	38	32	..	..	3	..
	2020	38	39	31	..	..	3	..
Israel	2017	43	45	0	..	75	18	..
	2018	44	46	0	..	59	13	..
	2019	43	47	..	..	62	16	..
	2020	41	46	..	..	66	18	..
Japan	2017	36	51	21	10	21	13	89
	2018	35	48	20	19	24	13	88
	2019	34	47	20	22	22	13	88
	2020	33	47	20	13	25	13	81
Jordan	2017	52	56	72	..	26	26	..
	2018	48	55	43	..	29	20	..
	2019	45	54	35	..	27	22	..
	2020	42	45	35	..	31	36	..
Kazakhstan	2017	45	45	47	..	35	8	..
	2018	47	49	43	..	43	7	..
	2019	49	54	41	..	28	6	..
	2020	49	55	40	..	24	8	..
Korea, Dem.Ppl's.Rep.	2017	21	10	29	..	..	5	..
	2018	21	8	31	..	..	5	..
	2019	19	9	26	..	..	4	..
	2020	21	8	30	..	..	4	..
Korea, Republic of	2017	52	53	12	75	20	13	44
	2018	53	56	13	70	20	12	43
	2019	50	53	11	72	20	12	43
	2020	47	49	13	79	22	12	52
Kuwait	2017	44	44	..	..	23	5	..
	2018	45	45	..	..	35	5	..
	2019	45	45	..	..	33	25	..
	2020	44	44	..	..	30	47	..
Kyrgyzstan	2017	46	20	52	..	..	..	..
	2018	46	22	52	..	..	..	..
	2019	45	20	50	..	..	..	..
	2020	45	22	51	..	..	..	..
Lao People's Dem. Rep.	2017	55	75	47	..	..	5	..
	2018	58	82	50	..	..	31	..
	2019	44	73	35	..	..	21	..
	2020	46	60	41	..	..	21	..

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
..	..	..	..	37	30	39	..	50
..	..	..	..	39	28	42	..	48
..	..	..	..	36	29	39	..	46
..	..	..	..	34	33	35	..	49
37	39	25	13	43	53	32	65	17
27	27	30	9	44	54	34	64	16
32	32	24	24	43	52	39	78	16
27	27	30	25	40	50	40	72	15
46	42	51	82	51	54	29	..	34
40	48	..	..	50	50	42	..	70
35	42	..	..	51	52	41	..	70
29	35	..	..	51	51	41	..	71
16	16	..	..	48	55	14	84	10
10	10	..	..	48	54	15	83	17
9	9	..	..	49	55	15	66	16
10	10	..	..	49	56	15	65	18
18	..	..	18	37	38	14	..	..
20	..	..	20	34	36	12	..	..
3	..	..	3	37	38	32	..	..
3	..	..	3	38	39	31	..	..
31	44	0	20	45	45	0	..	0
29	55	0	15	46	46	0	..	0
29	66	..	16	45	46	..	..	21
29	63	..	17	44	45	..	..	26
25	39	69	17	39	52	20	10	18
24	39	82	17	38	49	20	19	18
23	38	95	16	38	48	19	22	17
22	40	86	15	36	47	19	13	18
56	56	..	..	52	56	72	..	26
54	54	..	..	47	55	43	..	22
56	56	..	..	45	54	35	..	23
41	41	..	..	42	45	35	..	34
43	45	..	14	45	45	47	..	17
39	45	..	15	47	49	43	..	11
24	40	..	15	50	54	41	..	9
28	40	..	9	49	55	40	..	12
..	..	..	..	21	10	29	..	4
..	..	..	..	21	8	31	..	4
..	..	..	..	19	9	26	..	4
..	..	..	..	21	8	30	..	4
40	45	..	8	53	54	12	75	17
39	45	..	7	54	57	13	70	16
36	44	..	7	51	54	11	72	15
34	42	..	7	49	50	13	79	16
..	..	..	..	44	44	..	..	10
..	..	..	..	45	45	..	..	12
..	..	..	..	45	45	..	..	27
..	..	..	..	44	44	..	..	44
29	29	..	..	46	20	52	..	..
74	74	..	..	46	21	52	..	..
61	61	..	..	45	19	50	..	..
49	49	..	..	45	22	51	..	..
..	..	..	..	55	75	47	..	5
..	..	..	..	58	82	50	..	31
..	..	..	..	44	73	35	..	21
..	..	..	..	46	60	41	..	21

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
Lebanon	2017	72	77	17	..	..	13	..
	2018	71	76	14	..	..	13	..
	2019	72	76	39	..	..	17	..
	2020	56	58	41	..	..	17	..
Malaysia	2017	56	59	50	..	..	11	..
	2018	57	62	49	..	..	7	..
	2019	59	64	49	..	..	12	..
	2020	58	65	48	..	..	18	..
Maldives	2017	30	30	..	..	23	15	..
	2018	23	24	..	..	23	10	..
	2019	18	18	..	..	34	11	..
	2020	17	18	..	..	34	9	..
Mongolia	2017	52	58	34	..	17	6	..
	2018	51	57	30	..	25	11	..
	2019	53	61	31	..	25	8	..
	2020	53	60	31	..	25	7	..
Myanmar	2017	41	42	39	..	..	..	..
	2018	45	52	39	..	..	4	..
	2019	38	43	33	..	..	23	..
	2020	40	49	29	..	..	22	..
Nepal	2017	46	0	49	..	11	10	..
	2018	47	0	49	..	11	7	..
	2019	59	0	62	..	5	6	..
	2020	51	0	56	..	5	0	..
Oman	2017	50	50	..	..	..	22	..
	2018	51	51	..	..	..	22	..
	2019	51	52	..	..	..	22	..
	2020	51	51	..	..	..	13	..
Other Asia	2017	60	70	21	50	20	11	..
	2018	60	68	19	70	19	11	0
	2019	56	62	21	95	19	11	29
	2020	55	64	15	93	24	11	73
Pakistan	2017	45	43	52	72	20	19	35
	2018	44	44	44	79	23	19	31
	2019	41	42	38	73	30	19	26
	2020	38	35	39	92	26	21	15
Philippines	2017	47	51	30	..	29	15	61
	2018	47	52	29	..	31	16	61
	2019	47	52	24	..	28	15	63
	2020	44	48	22	..	26	15	64
Qatar	2017	51	51	..	..	..	..	..
	2018	52	52	..	..	..	..	..
	2019	54	54	..	..	..	..	..
	2020	53	53	..	..	..	..	..
Saudi Arabia	2017	48	48	..	..	20	22	..
	2018	51	51	..	..	20	29	..
	2019	51	51	..	..	20	87	..
	2020	49	48	..	..	21	87	..
Singapore	2017	44	44	..	..	..	18	..
	2018	45	45	..	..	..	24	..
	2019	50	50	..	..	..	17	..
	2020	51	52	..	..	..	22	..
Sri Lanka	2017	42	55	27	..	33	24	..
	2018	45	50	41	..	29	20	..
	2019	44	58	30	..	31	28	..
	2020	40	54	32	..	16	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
90	92	..	13	64	70	17	..	..
79	82	..	13	67	74	14	..	..
88	93	..	17	65	68	39	..	..
58	61	..	17	54	56	41	..	..
25	25	27	1	59	62	50	..	11
31	42	..	1	59	64	49	..	6
35	49	..	1	61	66	49	..	10
31	42	..	2	60	66	48	..	16
24	24	..	..	35	36	..	..	15
26	26	..	..	22	23	..	..	11
16	16	..	..	18	19	..	..	12
16	16	..	..	18	19	..	..	10
25	..	34	..	53	59	..	..	14
23	..	30	..	52	58	..	..	21
24	..	31	..	54	61	..	..	19
24	..	31	..	54	61	..	..	19
55	56	50	..	36	30	39	..	..
53	65	37	4	38	33	40	..	..
44	49	35	23	31	31	32	..	..
52	62	32	22	25	21	28	..	..
18	..	18	..	49	0	52	..	11
14	..	14	..	51	0	54	..	10
15	..	15	..	64	0	68	..	6
9	..	11	..	58	0	62	..	2
..	..	..	..	50	50	..	..	22
..	..	..	..	51	51	..	..	22
..	..	..	..	51	52	..	..	3
..	..	..	..	51	51	..	..	9
23	26	..	7	79	98	21	50	66
25	29	..	9	80	94	19	70	64
23	28	..	9	75	82	21	95	56
22	27	..	9	76	85	15	93	63
38	41	..	35	45	43	52	72	20
39	46	..	31	44	44	44	79	22
37	47	..	26	41	42	38	73	27
32	46	..	15	38	35	39	92	25
26	26	12	..	47	52	30	..	44
26	26	12	..	48	53	29	..	45
26	26	12	..	47	52	24	..	45
26	26	12	..	44	49	22	..	44
57	57	..	..	21	21	..	..	..
59	59	..	..	11	11	..	..	..
61	61	..	..	14	14	..	..	..
59	59	..	..	20	20	..	..	..
95	95	..	..	36	36	..	..	22
90	90	..	..	38	38	..	..	29
51	51	..	..	52	51	..	..	85
53	53	..	..	46	45	..	..	85
80	80	..	..	42	43	..	..	18
95	95	..	..	42	43	..	..	24
93	93	..	..	48	48	..	..	17
96	96	..	..	49	50	..	..	22
31	34	31	30	43	56	26	..	29
33	31	36	18	46	50	42	..	27
26	39	28	13	47	58	31	..	38
27	39	29	12	42	54	32	..	14

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
State of Palestine	2017	33	36	..	..	..	17	..
	2018	24	26	..	..	..	17	..
	2019	39	49	..	..	..	17	..
	2020	34	47	..	..	..	17	..
Syrian Arab Republic	2017	22	24	6	..	..	..	..
	2018	21	23	6	..	..	..	..
	2019	20	23	6	..	..	..	..
	2020	19	21	6	..	..	..	..
Tajikistan	2017	31	16	33	..	..	..	..
	2018	34	21	36	..	..	..	..
	2019	37	28	38	..	..	..	..
	2020	35	32	35	..	..	..	..
Thailand	2017	47	56	16	..	20	11	57
	2018	46	54	24	..	17	10	53
	2019	48	57	20	..	28	12	49
	2020	44	48	17	..	23	18	42
Timor-Leste	2017	17	17	53	..	..	18	..
	2018	18	18	53	..	..	18	..
	2019	21	21	53	..	..	18	..
	2020	20	20	53	..	..	10	..
Türkiye	2017	40	52	24	..	31	10	65
	2018	39	51	24	..	33	18	65
	2019	38	42	36	..	33	18	61
	2020	37	44	29	..	32	19	64
Turkmenistan	2017	49	49	30	..	..	..	..
	2018	49	49	30	..	..	..	..
	2019	49	49	30	..	..	..	..
	2020	49	49	16	..	..	..	..
United Arab Emirates	2017	51	51	..	..	..	26	..
	2018	50	51	..	..	..	25	..
	2019	48	49	..	..	..	25	..
	2020	45	46	..	..	..	30	..
Uzbekistan	2017	48	48	49	..	..	2	..
	2018	47	53	35	..	..	1	..
	2019	43	46	39	..	33	0	..
	2020	43	48	28	..	33	1	..
Viet Nam	2017	51	48	56	..	15	..	..
	2018	54	56	52	..	15	11	..
	2019	46	53	47	..	9	10	..
	2020	35	45	40	..	21	6	..
Yemen	2017	26	29	..	..	..	9	..
	2018	23	23	..	..	..	22	..
	2019	21	21	..	..	..	22	..
	2020	19	18	..	..	..	22	..
Europe	2017	39	41	31	78	25	12	65
	2018	39	39	34	78	24	12	64
	2019	37	37	32	78	26	12	53
	2020	35	35	34	74	27	12	60
Albania	2017	24	..	25	..	..	..	..
	2018	44	..	46	..	..	..	..
	2019	25	..	27	..	..	17	..
	2020	25	..	27	..	..	20	..
Andorra	2017	23	39	21	..	..	16	..
	2018	30	46	28	..	..	9	..
	2019	23	48	21	..	..	9	..
	2020	28	40	28	..	..	8	..

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
50	75	..	17	29	30	..	..	17
39	61	..	17	20	21	..	..	17
30	57	..	17	41	48	..	..	17
24	42	..	17	39	48	..	..	17
7	7	..	..	23	27	6	..	..
9	9	..	..	22	25	6	..	..
8	8	..	..	21	24	6	..	..
7	7	..	..	20	23	6	..	..
..	..	..	..	31	16	33	..	..
..	..	..	..	34	21	36	..	..
..	..	..	..	37	28	38	..	..
..	..	..	..	35	32	35	..	..
37	39	17	23	53	67	16	..	6
43	46	29	23	48	60	24	..	6
46	49	27	26	49	63	20	..	11
..	..	..	..	44	48	17	..	20
..	..	..	..	17	17	53	..	18
..	..	..	..	18	18	53	..	18
..	..	..	..	21	21	53	..	18
..	..	..	..	20	20	53	..	10
37	46	20	15	40	52	24	..	30
35	42	22	20	40	52	24	..	32
35	41	27	19	38	42	36	..	32
36	45	21	19	37	44	29	..	32
..	..	..	..	49	49	30	..	..
..	..	..	..	49	49	30	..	..
..	..	..	..	49	49	30	..	..
..	..	..	..	49	49	16	..	..
..	..	..	..	51	51	..	..	26
..	..	..	..	50	51	..	..	25
..	..	..	..	48	49	..	..	25
..	..	..	..	45	46	..	..	30
..	..	..	..	48	48	49	..	2
..	..	..	..	47	53	35	..	0
..	..	..	..	43	46	39	..	0
..	..	..	..	43	48	28	..	0
9	9	3	4	57	58	57	..	14
9	9	3	4	61	68	53	..	14
9	9	3	4	50	62	48	..	10
18	19	3	4	36	49	40	..	7
14	24	..	9	29	29	..	..	..
23	24	..	22	22	22	..	..	..
23	24	..	22	21	21	..	..	..
22	22	..	22	18	18	..	..	..
36	44	33	13	40	41	31	78	21
36	44	34	14	39	39	34	78	21
36	45	34	13	37	36	32	78	21
34	44	35	13	35	33	34	74	22
..	..	..	..	24	..	25	..	..
..	..	..	..	44	..	46	..	..
..	..	..	..	25	..	27	..	17
..	..	..	..	26	..	27	..	20
..	..	..	..	23	39	21	..	16
..	..	..	..	30	46	28	..	9
..	..	..	..	23	48	21	..	9
..	..	..	..	28	40	28	..	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
Austria	2017	33	37	34	..	26	11	1
	2018	31	35	32	..	22	11	3
	2019	33	37	35	..	26	11	2
	2020	31	33	35	..	24	11	1
Belarus	2017	39	39	47	..	13	13	..
	2018	44	45	38	..	12	13	..
	2019	45	46	41	..	18	13	..
	2020	39	44	47	3	20	13	..
Belgium	2017	45	45	11	81	27	10	41
	2018	38	47	11	55	26	11	36
	2019	45	49	10	84	29	10	41
	2020	40	50	11	66	31	10	41
Bosnia and Herzegovina	2017	41	62	21	..	..	15	..
	2018	49	67	33	..	23	13	..
	2019	45	59	31	..	33	16	..
	2020	43	64	24	..	34	15	..
Bulgaria	2017	47	71	12	90	25	15	..
	2018	46	61	18	92	22	15	..
	2019	44	60	11	94	21	16	..
	2020	42	53	11	95	24	15	..
Croatia	2017	28	28	29	..	24	15	..
	2018	31	24	40	..	26	13	2
	2019	31	33	31	..	26	11	95
	2020	33	42	30	..	25	10	97
Czechia	2017	45	45	15	75	22	12	..
	2018	45	45	14	80	22	13	..
	2019	45	44	16	80	24	13	..
	2020	43	41	17	80	24	12	..
Denmark	2017	25	22	29	..	31	9	..
	2018	23	23	24	..	26	11	..
	2019	22	18	27	..	30	10	..
	2020	21	16	27	..	30	10	..
Estonia	2017	59	64	41	..	26	11	..
	2018	50	54	23	..	23	11	..
	2019	32	34	36	..	25	7	..
	2020	25	26	43	..	30	7	..
Faeroe Islands	2017	31	27	33	..	48	..	..
	2018	33	30	32	..	51	..	..
	2019	34	34	31	..	42	..	..
	2020	28	25	32	..	38	70	..
Finland	2017	45	32	53	92	27	7	..
	2018	47	36	48	93	33	7	..
	2019	45	33	45	98	30	8	..
	2020	45	29	57	95	35	8	..
France	2017	48	38	24	72	21	13	68
	2018	49	31	31	75	22	13	60
	2019	48	36	27	72	24	13	58
	2020	44	33	30	66	26	13	59
Germany	2017	35	49	27	81	22	11	53
	2018	32	43	25	80	21	11	49
	2019	30	38	27	90	24	10	18
	2020	28	35	26	91	24	10	33
Gibraltar	2017	57	57	..	..	..	..	11
	2018	57	57	..	..	..	..	11
	2019	58	58	..	..	..	..	11
	2020	57	57	..	..	..	..	11

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
53	66	13	..	31	29	35	..	22
53	66	13	..	29	27	33	..	19
41	47	14	..	32	33	35	..	21
40	46	12	..	31	27	36	..	19
52	53	34	13	38	38	48	..	13
47	49	46	13	44	44	38	..	13
50	53	40	14	45	46	41	..	16
46	49	46	13	38	43	47	3	17
26	65	..	10	50	41	11	81	27
25	62	..	11	42	44	11	55	27
25	65	..	11	52	45	10	84	29
24	64	..	11	46	46	11	66	31
22	22	..	..	43	66	21	..	15
71	71	..	..	49	67	33	..	21
66	66	..	..	44	59	31	..	30
57	57	..	..	43	64	24	..	29
18	32	..	..	48	74	12	90	19
19	33	..	..	47	63	18	92	18
23	49	..	..	45	61	11	94	18
23	52	..	..	42	54	11	95	19
30	30	24	..	27	27	29	..	23
26	26	25	..	31	23	40	..	24
26	26	25	..	31	34	31	..	25
28	28	28	..	33	44	30	..	24
54	55	38	..	44	44	13	75	13
52	54	31	..	44	43	12	80	14
52	53	36	..	44	43	14	80	14
57	58	40	..	42	39	15	80	14
21	38	..	9	25	21	29	..	31
22	38	..	11	23	21	24	..	26
22	44	..	10	22	16	27	..	30
21	44	..	10	21	14	27	..	30
70	75	..	..	59	64	41	..	26
54	56	..	11	50	54	23	..	22
45	45	..	23	32	34	34	..	20
87	88	..	23	24	25	37	..	21
..	..	..	..	31	27	33	..	48
..	..	..	..	33	30	32	..	51
..	..	..	..	34	34	31	..	42
..	..	..	..	28	25	32	..	39
49	48	61	7	45	27	53	92	28
52	53	57	7	46	31	48	93	33
50	54	42	8	44	27	45	98	30
46	49	61	8	45	23	57	95	35
30	40	32	15	49	38	24	72	19
31	41	38	15	50	28	31	75	19
31	42	35	15	49	34	27	72	21
29	40	31	15	45	31	30	66	22
56	56	47	56	33	48	27	81	17
56	56	31	55	31	41	25	80	17
55	55	32	58	29	36	27	90	18
53	53	29	72	27	33	26	91	18
..	..	..	..	57	57	..	..	11
..	..	..	..	57	57	..	..	11
..	..	..	..	58	58	..	..	11
..	..	..	..	57	57	..	..	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
Greece	2017	32	44	14	..	24	17	..
	2018	31	40	19	..	25	16	..
	2019	27	35	14	..	23	18	..
	2020	26	36	11	..	26	15	..
Guernsey	2017	7	7	..	..	..	..	..
	2018	5	5	..	..	..	11	..
	2019	14	14	..	..	..	4	..
	2020	2	2	..	..	..	13	..
Hungary	2017	42	29	44	92	26	12	24
	2018	39	27	44	89	21	10	42
	2019	39	29	43	92	26	12	36
	2020	37	29	48	91	23	13	45
Iceland	2017	78	0	80	..	38	..	83
	2018	76	0	75	..	21	..	91
	2019	75	0	73	..	31	..	91
	2020	73	0	71	..	42	..	90
Ireland	2017	33	38	19	..	26	8	..
	2018	32	36	20	..	27	8	..
	2019	32	35	24	..	28	8	..
	2020	33	35	26	..	31	8	..
Isle of Man	2017	28	28	36	..	..	..	..
	2018	30	30	23	..	..	..	..
	2019	35	35	30	..	..	..	..
	2020	34	34	33	..	..	..	..
Italy	2017	30	39	19	..	21	14	71
	2018	29	36	26	..	20	13	69
	2019	29	36	24	..	22	13	72
	2020	28	34	25	..	20	13	70
Jersey	2017	7	7	..	..	..	..	..
	2018	7	7	..	..	..	..	..
	2019	7	7	..	..	..	..	..
	2020	6	6	..	..	..	..	..
Kosovo	2017	48	51	25	..	0	1	..
	2018	48	50	39	..	10	4	..
	2019	51	54	29	..	31	12	..
	2020	53	56	27	..	31	12	..
Latvia	2017	29	26	32	..	22	7	..
	2018	26	37	18	..	18	7	..
	2019	25	38	15	..	23	11	..
	2020	22	26	19	..	26	11	..
Liechtenstein	2017	44	26	78	..	..	19	..
	2018	39	21	71	..	..	19	..
	2019	44	24	85	..	..	19	..
	2020	41	22	82	..	..	19	..
Lithuania	2017	14	8	15	..	30	10	..
	2018	12	7	12	..	25	12	..
	2019	13	8	12	..	32	10	..
	2020	18	15	14	..	33	9	..
Luxembourg	2017	15	42	12	..	22	10	..
	2018	15	44	11	..	24	10	..
	2019	12	42	8	..	24	9	..
	2020	14	52	9	..	26	10	..
Malta	2017	27	29	..	..	7	17	..
	2018	31	34	..	..	7	16	..
	2019	31	36	..	..	7	14	..
	2020	31	37	..	..	7	14	..

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	..	..	32	44	14	..	21
45	45	..	..	31	40	19	..	21
50	50	..	..	26	34	14	..	21
55	55	..	..	26	34	11	..	21
..	..	..	..	7	7	..	..	..
..	..	..	..	5	5	..	..	11
..	..	..	..	14	14	..	..	4
..	..	..	..	2	2	..	..	13
25	41	..	13	43	28	44	92	24
24	45	..	14	41	27	44	89	15
22	42	..	14	41	28	43	92	16
20	42	..	15	40	28	48	91	15
..	..	..	..	78	0	80	..	83
..	..	..	..	76	0	75	..	91
..	..	..	..	75	0	73	..	91
..	..	..	..	73	0	71	..	90
66	72	..	15	32	36	19	..	26
62	69	..	13	31	35	20	..	27
55	65	..	12	31	33	24	..	28
52	65	..	11	32	33	26	..	31
36	36	..	..	28	28	36	..	..
49	49	..	..	29	29	23	..	..
49	49	..	..	35	35	30	..	..
49	49	..	..	33	33	33	..	..
45	45	47	31	29	38	19	..	18
47	47	50	34	28	35	26	..	17
47	47	53	25	28	35	24	..	18
45	45	59	29	27	33	25	..	17
18	18	..	..	1	1	..	..	..
18	18	..	..	0	0	..	..	..
17	17	..	..	0	0	..	..	..
17	17	..	..	0	0	..	..	..
..	..	..	..	48	51	25	..	0
..	..	..	..	48	50	39	..	9
8	..	..	8	51	54	29	..	26
..	..	..	..	53	56	27	..	26
66	69	40	26	29	25	32	..	22
63	70	13	12	26	37	18	..	18
63	71	15	17	25	37	15	..	22
54	62	16	15	22	25	19	..	26
..	..	..	..	44	26	78	..	19
..	..	..	..	39	21	71	..	19
..	..	..	..	44	24	85	..	19
..	..	..	..	41	22	82	..	19
34	26	..	..	13	5	15	..	28
26	19	..	..	11	5	12	..	23
33	27	..	..	12	4	12	..	29
33	27	..	..	17	14	14	..	27
17	34	25	10	15	48	12	..	22
17	35	25	10	14	50	11	..	24
15	32	28	9	12	48	8	..	24
15	37	26	10	14	59	9	..	26
17	24	..	17	29	29	..	..	..
17	22	..	16	34	34	..	..	..
14	16	..	14	36	36	..	..	..
14	15	..	14	37	37	..	..	..

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
Montenegro	2017	30	68	18	..	15	..	..
	2018	42	73	37	..	14	8	..
	2019	39	76	28	..	28	5	..
	2020	37	82	24	..	31	4	..
Netherlands	2017	39	43	19	80	29	9	97
	2018	37	43	22	83	27	9	83
	2019	37	46	23	92	29	9	76
	2020	33	45	14	96	26	9	77
North Macedonia	2017	35	45	19	..	34	16	..
	2018	35	38	30	..	30	15	..
	2019	36	47	20	..	31	16	..
	2020	33	40	21	..	36	16	..
Norway	2017	50	34	51	..	27	..	..
	2018	47	34	49	..	26	0	..
	2019	42	32	44	..	22	1	..
	2020	45	26	48	..	28	2	0
Poland	2017	45	51	14	..	30	7	36
	2018	45	51	11	..	25	6	55
	2019	43	49	13	..	30	5	74
	2020	37	43	14	..	29	6	70
Portugal	2017	32	55	12	..	27	20	84
	2018	32	45	22	..	28	17	89
	2019	28	39	16	..	30	17	84
	2020	28	35	21	..	27	18	85
Republic of Moldova	2017	21	21	34	..	9	11	..
	2018	23	24	31	..	8	11	..
	2019	22	22	46	..	14	7	..
	2020	23	23	33	..	14	11	..
Romania	2017	31	30	25	93	28	15	..
	2018	31	28	31	92	24	15	..
	2019	33	32	27	91	25	14	..
	2020	31	28	27	93	26	14	..
Russian Federation	2017	47	43	42	83	16	11	67
	2018	47	43	43	80	16	12	66
	2019	42	38	43	79	6	11	61
	2020	41	35	46	81	24	16	59
Serbia	2017	57	72	37	..	22	15	..
	2018	56	68	43	..	8	14	..
	2019	55	69	38	..	26	14	..
	2020	55	71	36	..	28	13	..
Slovakia	2017	41	32	21	89	17	11	57
	2018	40	32	18	87	17	14	43
	2019	42	34	21	90	17	11	16
	2020	43	34	22	89	11	14	22
Slovenia	2017	52	48	35	104	20	13	..
	2018	49	41	42	96	21	12	..
	2019	48	40	40	97	21	12	..
	2020	50	39	44	105	22	11	..
Spain	2017	30	33	12	93	24	23	18
	2018	30	29	21	89	25	21	18
	2019	28	29	15	94	25	15	31
	2020	28	26	19	94	24	19	36
Sweden	2017	47	24	45	83	30	11	..
	2018	45	21	43	90	26	11	..
	2019	45	22	45	88	26	11	..
	2020	43	18	50	72	31	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
..	..	..	..	30	68	18	..	15
..	..	..	..	42	73	37	..	13
..	..	..	..	39	76	28	..	27
..	..	..	..	37	82	24	..	29
35	51	..	11	41	42	19	80	32
30	47	..	11	40	42	22	83	27
27	48	..	10	43	45	23	92	27
26	50	..	11	38	43	14	96	22
..	..	..	..	35	45	19	..	28
..	..	..	..	35	38	30	..	25
..	..	..	..	36	47	20	..	26
..	..	..	..	33	40	21	..	30
60	53	..	..	50	14	51	..	26
54	53	..	0	47	13	49	..	25
46	49	..	1	42	14	44	..	21
34	37	..	2	45	14	48	..	28
49	54	80	7	45	50	14	..	30
46	53	74	7	45	51	11	..	25
42	60	71	6	43	48	13	..	30
31	62	63	6	38	41	14	..	29
46	51	19	17	31	56	12	..	27
42	48	34	16	31	45	21	..	28
41	49	33	14	26	36	16	..	30
41	48	33	18	26	31	21	..	27
5	5	..	6	27	27	34	..	11
7	7	..	7	28	29	31	..	10
7	6	..	13	27	27	46	..	13
7	5	..	14	28	29	33	..	14
26	33	34	7	32	29	25	93	28
28	36	33	5	32	26	31	92	24
32	38	37	10	33	31	27	91	23
33	41	35	8	31	24	27	93	25
33	33	30	..	48	44	42	83	17
34	34	29	..	48	44	43	80	17
34	34	29	..	43	38	43	79	12
32	32	32	..	42	35	46	81	20
53	53	..	..	57	72	37	..	20
52	52	..	..	56	68	43	..	8
38	38	..	..	55	70	38	..	25
37	37	..	..	55	72	36	..	28
33	45	38	13	43	28	21	89	14
36	43	40	19	41	28	17	87	11
29	38	42	12	44	33	20	90	11
30	37	44	15	45	33	21	89	13
21	66	19	13	55	47	37	104	15
21	62	22	12	52	40	43	96	15
20	67	20	12	52	39	41	97	15
18	68	20	11	55	39	46	105	15
62	66	15	33	28	28	12	93	24
65	68	28	32	28	23	21	89	24
67	71	28	30	26	23	15	94	22
62	66	30	23	26	19	19	94	22
55	56	8	..	47	17	45	83	30
48	49	7	..	45	15	43	90	25
56	57	3	..	45	15	45	88	25
54	54	..	..	42	11	50	72	29

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
Switzerland	2017	33	47	28	70	20	10	..
	2018	36	45	28	87	19	10	..
	2019	37	46	30	90	22	10	..
	2020	36	46	30	82	19	10	..
Ukraine	2017	34	21	19	71	24	11	..
	2018	35	23	22	70	28	10	..
	2019	34	23	14	68	29	17	..
	2020	29	22	14	65	16	9	..
United Kingdom	2017	37	40	21	87	29	10	3
	2018	36	38	19	80	30	11	5
	2019	36	41	18	69	30	11	7
	2020	35	37	19	71	35	11	6
Latin America & Carib.	2017	43	42	45	70	35	18	68
	2018	42	41	45	76	34	16	46
	2019	40	39	42	74	38	21	47
	2020	38	36	42	69	37	20	21
Anguilla	2017	36	38	..	..	..	12	..
	2018	37	38	..	..	..	20	..
	2019	45	46	..	..	..	20	..
	2020	40	42	..	..	..	20	..
Antigua and Barbuda	2017	34	35	..	..	..	17	..
	2018	45	49	..	..	..	16	..
	2019	46	50	..	..	..	14	..
	2020	44	48	..	..	..	16	..
Argentina	2017	42	42	42	40	31	23	..
	2018	41	42	42	42	21	6	..
	2019	39	39	37	52	35	21	..
	2020	36	39	24	70	41	20	..
Aruba	2017	39	37	..	..	55	..	..
	2018	38	36	..	..	67	12	..
	2019	39	36	..	..	63	15	..
	2020	39	37	..	..	63	17	..
Bahamas	2017	39	39	..	..	..	18	..
	2018	40	40	..	..	..	18	..
	2019	40	40	..	..	..	14	..
	2020	40	40	..	..	..	14	..
Barbados	2017	43	44	..	..	..	23	..
	2018	47	49	..	..	..	20	..
	2019	41	45	..	..	..	15	..
	2020	38	43	..	..	..	16	..
Belize	2017	28	14	60	..	..	1	..
	2018	29	17	56	..	..	14	..
	2019	20	22	16	..	..	16	..
	2020	29	18	51	..	..	14	..
Bolivia (Plur. State of)	2017	42	43	41	..	26	6	..
	2018	41	41	43	..	25	20	..
	2019	31	27	49	..	30	18	..
	2020	31	27	44	..	27	31	..
Bonaire, St Eustatius, Saba	2017	47	58	..	..	32	21	..
	2018	42	52	..	..	38	15	..
	2019	44	59	..	..	33	16	..
	2020	44	64	..	..	26	13	..
Brazil	2017	43	43	42	90	39	9	..
	2018	42	41	43	90	38	17	..
	2019	42	41	42	93	42	17	..
	2020	40	38	41	81	38	15	..

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
26	53	41	10	35	29	27	70	20
25	52	44	10	38	26	27	87	19
24	53	45	10	40	27	29	90	22
22	53	38	10	39	28	30	82	19
20	20	7	10	34	21	19	71	16
14	14	5	2	36	24	22	70	16
12	12	..	1	35	24	14	68	21
17	17	..	2	30	22	14	65	10
25	37	41	15	41	40	19	87	26
26	38	39	16	39	38	17	80	27
28	40	40	15	39	41	16	69	28
29	41	42	16	37	36	17	71	32
40	41	43	26	43	42	45	70	35
44	46	45	24	42	39	45	76	32
44	46	45	25	40	38	42	74	35
42	46	41	20	37	33	42	69	31
..	..	..	..	36	38	..	..	12
..	..	..	..	37	38	..	..	20
..	..	..	..	45	46	..	..	20
..	..	..	..	40	42	..	..	20
11	11	..	..	34	35	..	..	17
11	11	..	..	46	49	..	..	16
11	11	..	..	46	50	..	..	14
11	11	..	..	45	48	..	..	16
47	47	26	..	41	41	42	40	31
47	47	26	..	41	41	42	42	18
47	47	26	..	38	38	37	52	32
44	44	24	..	36	38	24	70	36
..	..	..	..	39	37	..	..	55
..	..	..	..	38	36	..	..	56
..	..	..	..	39	36	..	..	53
..	..	..	..	39	37	..	..	54
22	22	..	..	41	41	..	..	18
23	23	..	..	41	41	..	..	18
27	27	..	..	41	41	..	..	14
29	29	..	..	41	41	..	..	14
20	20	..	..	43	45	..	..	23
20	20	..	..	48	51	..	..	20
20	20	..	..	41	46	..	..	15
19	19	..	..	39	44	..	..	16
21	21	..	..	31	9	60	..	1
24	24	..	..	31	12	56	..	14
23	23	..	..	18	20	16	..	16
21	21	..	..	31	17	51	..	14
14	14	42	..	46	48	41	..	20
13	12	50	..	44	46	43	..	22
15	15	50	..	33	29	49	..	20
15	15	41	..	32	29	44	..	30
..	..	..	..	47	58	..	..	31
..	..	..	..	42	52	..	..	30
..	..	..	..	44	59	..	..	27
..	..	..	..	44	64	..	..	21
45	46	42	14	42	41	42	90	37
45	47	44	13	41	35	43	90	36
44	46	44	15	41	37	42	93	37
41	47	39	12	39	30	42	81	35

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
British Virgin Islands	2017	33	33	..	..	16	9	..
	2018	40	40	..	..	16	11	..
	2019	40	41	..	..	16	12	..
	2020	40	41	..	..	29	11	..
Cayman Islands	2017	48	48	..	..	..	..	..
	2018	47	47	..	..	..	..	..
	2019	49	49	..	..	..	..	..
	2020	47	47	..	..	..	..	..
Chile	2017	35	35	37	..	31	26	30
	2018	34	34	40	..	24	26	62
	2019	35	35	40	..	28	27	58
	2020	32	31	37	..	28	28	62
Colombia	2017	48	33	56	..	2	6	..
	2018	47	36	54	..	27	1	..
	2019	47	40	52	..	39	12	..
	2020	46	45	47	..	6	12	..
Costa Rica	2017	36	4	43	..	39	13	62
	2018	36	7	40	..	50	16	53
	2019	36	6	38	..	50	15	66
	2020	37	5	41	..	42	13	74
Cuba	2017	36	37	14	..	11	11	..
	2018	36	36	26	..	14	14	..
	2019	37	38	22	..	18	18	..
	2020	33	34	20	..	13	13	..
Curaçao	2017	40	40	..	..	42	22	..
	2018	38	35	..	..	59	19	..
	2019	46	47	..	..	53	19	..
	2020	49	51	..	..	49	21	..
Dominica	2017	35	34	47	..	32	6	..
	2018	31	28	58	..	32	6	..
	2019	39	38	48	..	32	6	..
	2020	40	40	46	..	33	7	..
Dominican Republic	2017	42	44	41	..	33	15	..
	2018	43	46	33	..	31	13	..
	2019	38	41	17	..	33	16	..
	2020	40	42	22	..	69	26	..
Ecuador	2017	43	31	51	..	40	17	..
	2018	41	33	47	..	43	16	..
	2019	46	29	56	..	46	16	..
	2020	44	26	55	..	42	16	..
El Salvador	2017	32	23	34	..	..	14	88
	2018	31	21	32	..	..	17	86
	2019	31	28	30	..	..	14	82
	2020	31	19	41	..	4	22	87
Falkland Is. (Malvinas)	2017	23	21	..	..	30	16	..
	2018	23	20	..	..	31	16	..
	2019	23	21	..	..	31	16	..
	2020	23	22	..	..	25	16	..
Grenada	2017	50	52	..	..	..	18	..
	2018	49	50	..	..	..	19	..
	2019	50	52	..	..	..	13	..
	2020	46	49	..	..	..	13	..
Guatemala	2017	42	36	50	..	33	25	86
	2018	44	49	40	..	34	26	73
	2019	40	45	33	..	23	25	73
	2020	35	29	43	..	34	27	72

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
..	..	..	..	33	33	..	..	13
..	..	..	..	40	40	..	..	14
..	..	..	..	40	41	..	..	15
..	..	..	..	40	41	..	..	21
..	..	..	..	48	48	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	47	47	..	..	..
23	23	63	8	36	38	37	..	28
19	19	80	8	37	39	40	..	26
22	22	40	2	37	38	40	..	28
17	17	13	7	35	36	37	..	28
60	63	18	..	47	23	56	..	3
67	70	19	..	46	26	55	..	6
60	62	19	..	46	32	52	..	15
59	62	17	6	44	38	48	..	12
36	52	..	14	36	1	43	..	47
30	40	..	15	36	3	40	..	51
24	30	..	14	37	2	38	..	56
23	31	..	13	38	1	41	..	55
21	21	..	..	38	38	14	..	11
16	16	..	..	38	38	26	..	14
21	21	..	..	38	39	22	..	18
18	18	..	..	35	36	20	..	13
10	10	..	..	54	62	..	..	38
15	15	..	..	50	49	..	..	51
15	15	..	..	52	55	..	..	46
14	14	..	..	53	57	..	..	43
34	34	..	..	36	33	47	..	13
34	34	..	..	30	23	58	..	17
34	34	..	..	42	41	48	..	17
34	34	..	..	44	44	46	..	17
17	17	50	14	51	54	40	..	30
18	18	50	15	51	57	33	..	24
30	30	..	19	40	45	17	..	27
30	29	..	32	42	46	22	..	54
47	44	69	..	42	24	50	..	27
48	43	69	..	40	26	46	..	28
50	43	83	..	45	20	54	..	29
48	42	76	..	43	17	54	..	27
5	2	43	10	38	31	33	..	72
6	1	42	13	37	29	32	..	72
8	1	44	15	38	38	30	..	48
10	1	51	18	38	27	41	..	51
..	..	..	..	23	21	..	..	29
..	..	..	..	23	20	..	..	31
..	..	..	..	23	21	..	..	30
..	..	..	..	23	22	..	..	25
51	51	..	..	50	52	..	..	18
92	92	..	..	49	50	..	..	19
95	95	..	..	50	52	..	..	13
89	89	..	..	46	48	..	..	13
13	13	56	..	49	49	50	..	38
18	18	63	..	50	67	40	..	37
23	23	61	..	43	54	33	..	34
10	9	74	..	40	37	43	..	39

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
Guyana	2017	36	37	..	..	50	16	..
	2018	37	38	..	..	50	16	..
	2019	39	39	..	..	50	16	..
	2020	38	39	..	..	50	18	..
Haiti	2017	35	38	24	..	..	58	..
	2018	34	33	37	..	..	62	..
	2019	26	26	26	..	..	15	..
	2020	25	27	16	..	..	15	..
Honduras	2017	40	43	49	..	29	23	30
	2018	40	39	50	..	47	22	97
	2019	42	51	38	..	40	24	87
	2020	38	45	37	..	34	22	90
Jamaica	2017	48	51	61	..	33	13	..
	2018	48	51	70	..	34	13	..
	2019	44	47	61	..	31	10	..
	2020	48	52	52	..	31	7	..
Mexico	2017	49	55	29	77	29	19	69
	2018	46	51	29	96	25	6	43
	2019	42	48	20	74	32	22	44
	2020	38	44	23	54	35	20	13
Montserrat	2017	28	28	..	..	..	..	..
	2018	30	30	..	..	..	..	..
	2019	28	29	..	..	..	14	..
	2020	28	29	..	..	..	21	..
Nicaragua	2017	35	31	38	..	39	11	55
	2018	36	30	33	..	49	20	59
	2019	32	29	16	..	45	18	58
	2020	27	19	42	..	34	18	57
Panama	2017	37	29	47	..	21	12	13
	2018	32	17	50	..	25	14	25
	2019	33	35	32	..	31	17	29
	2020	30	17	46	..	25	17	42
Paraguay	2017	78	34	78	..	..	..	..
	2018	77	35	77	..	..	..	..
	2019	64	46	64	..	..	..	..
	2020	60	44	60	..	..	..	..
Peru	2017	41	28	63	..	51	13	..
	2018	41	27	65	..	46	28	..
	2019	43	29	67	..	51	29	..
	2020	40	25	64	..	51	30	..
Puerto Rico	2017	30	31	6	..	17	11	..
	2018	34	36	4	..	12	6	..
	2019	35	36	5	..	18	17	..
	2020	35	36	6	..	16	18	..
Sint Maarten (Dutch part)	2017	39	39	..	..	..	..	..
	2018	36	36	..	..	..	..	..
	2019	35	35	..	..	..	..	..
	2020	30	30	..	..	..	..	..
St. Kitts-Nevis	2017	41	42	..	..	28	18	..
	2018	37	38	..	..	29	18	..
	2019	37	38	..	..	29	18	..
	2020	35	36	..	..	29	18	..
St. Lucia	2017	52	52	..	..	..	..	..
	2018	50	52	..	..	..	19	..
	2019	52	53	..	..	..	26	..
	2020	47	48	..	..	..	25	..

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
19	19	..	..	39	40	..	..	17
19	19	..	..	41	41	..	..	17
8	8	..	..	43	44	..	..	17
7	7	..	..	43	44	..	..	18
3	3	..	..	48	56	24	..	58
2	2	..	..	47	50	37	..	62
2	2	..	..	36	39	26	..	15
2	2	..	..	35	41	16	..	15
44	44	..	..	40	43	49	..	26
51	51	..	..	38	34	50	..	33
50	55	9	12	40	49	38	..	32
35	39	10	12	39	49	37	..	30
55	65	..	32	44	45	61	..	..
55	65	..	34	44	44	70	..	..
35	39	..	27	50	51	61	..	..
20	18	..	26	68	72	52	..	..
43	47	46	28	51	57	29	77	48
57	75	46	26	44	48	29	96	28
58	79	40	29	40	44	20	74	35
64	91	41	28	34	39	23	54	22
..	..	..	..	28	28	..	..	..
..	..	..	..	30	30	..	..	..
..	..	..	..	28	29	..	..	14
..	..	..	..	28	29	..	..	21
46	46	0	..	33	27	38	..	45
47	48	0	..	34	26	33	..	52
46	46	..	..	30	25	17	..	49
41	41	..	..	25	14	42	..	43
2	2	..	..	39	34	48	..	18
8	11	..	..	33	17	52	..	20
26	29	..	..	34	37	34	..	25
20	19	30	..	32	16	47	..	22
..	..	..	..	78	34	78	..	..
..	..	..	..	77	35	77	..	..
..	..	..	..	64	46	64	..	..
..	..	..	..	60	44	60	..	..
18	14	60	12	43	31	63	..	32
19	15	65	13	44	30	65	..	39
19	16	60	15	46	31	67	..	42
17	13	54	17	42	27	65	..	43
39	39	..	..	30	31	6	..	13
42	42	..	..	34	36	4	..	8
44	44	..	..	35	36	5	..	17
44	44	..	..	35	36	6	..	17
..	..	..	..	39	39	..	..	..
..	..	..	..	36	36	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	30	30	..	..	..
3	3	..	..	43	45	..	..	23
3	3	..	..	39	40	..	..	24
3	3	..	..	39	40	..	..	24
3	3	..	..	37	38	..	..	24
..	..	..	..	52	52	..	..	..
..	..	..	..	50	52	..	..	19
..	..	..	..	52	53	..	..	26
..	..	..	..	47	48	..	..	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
St. Vincent-Grenadines	2017	36	36	41	..	..	12	..
	2018	38	38	48	..	..	11	..
	2019	36	37	44	..	..	13	..
	2020	33	33	44	..	..	8	..
Suriname	2017	41	32	56	..	..	17	..
	2018	41	29	60	..	..	16	..
	2019	42	33	60	..	..	16	..
	2020	40	39	43	..	..	14	..
Trinidad and Tobago	2017	42	42	..	..	67	25	..
	2018	49	49	..	..	67	21	..
	2019	50	50	..	..	67	18	..
	2020	42	42	..	..	67	13	..
Turks and Caicos Islands	2017	41	41	..	..	..	18	..
	2018	35	35	..	..	..	18	..
	2019	33	33	..	..	..	18	..
	2020	32	32	..	..	..	18	..
United States Virgin Is.	2017	21	21	..	..	31	12	..
	2018	21	22	..	..	31	12	..
	2019	23	23	..	..	31	14	..
	2020	22	23	..	..	34	14	..
Uruguay	2017	36	25	56	..	29	13	..
	2018	34	21	49	..	36	19	..
	2019	37	20	60	..	36	19	..
	2020	31	25	30	..	41	20	..
Venezuela (Bolivar. Rep.)	2017	36	28	46	..	7	16	23
	2018	34	27	44	..	7	18	23
	2019	29	21	38	..	9	19	23
	2020	26	7	47	..	7	19	23
Northern America	2017	45	41	45	94	33	19	60
	2018	46	43	44	95	33	19	71
	2019	45	42	43	96	32	18	67
	2020	43	40	43	95	33	18	68
Bermuda	2017	44	45	..	..	..	4	..
	2018	42	43	..	..	..	6	..
	2019	40	41	..	..	..	6	..
	2020	38	39	..	..	..	6	..
Canada	2017	51	40	56	82	29	15	25
	2018	50	41	54	82	30	15	27
	2019	50	40	53	82	28	15	20
	2020	50	39	54	80	30	15	45
Greenland	2017	32	15	49	..	..	..	..
	2018	33	17	51	..	..	..	..
	2019	33	17	50	..	..	..	..
	2020	34	17	53	..	..	..	..
St. Pierre-Miquelon	2017	22	22	..	..	..	..	..
	2018	22	22	..	..	..	..	..
	2019	23	23	..	..	..	..	..
	2020	22	22	..	..	..	..	..
United States	2017	44	41	36	96	34	19	61
	2018	45	43	35	97	33	19	72
	2019	44	42	35	98	33	18	68
	2020	42	40	34	97	33	18	69
Oceania	2017	42	49	35	..	30	13	77
	2018	41	48	35	..	32	13	75
	2019	40	47	34	..	32	13	73
	2020	37	45	33	..	32	13	71

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
23	..	..	23	36	36	41	..	9
24	..	..	24	38	38	48	..	8
23	..	..	23	37	37	44	..	10
8	..	..	8	33	33	44	..	9
54	51	56	..	24	24	..	..	17
58	52	60	..	18	18	..	..	16
61	62	60	..	20	20	..	..	16
52	68	43	..	26	26	..	..	14
9	9	..	..	44	44	..	..	25
8	8	..	..	51	51	..	..	21
9	9	..	..	51	51	..	..	18
9	9	..	..	43	43	..	..	13
..	..	..	..	41	41	..	..	18
..	..	..	..	35	35	..	..	18
..	..	..	..	33	33	..	..	18
..	..	..	..	32	32	..	..	18
10	..	..	10	21	21	..	..	17
11	..	..	11	22	22	..	..	17
13	..	..	13	23	23	..	..	17
12	..	..	12	23	23	..	..	19
39	43	..	4	36	16	56	..	27
42	46	..	5	33	11	49	..	34
40	44	..	7	37	11	60	..	34
40	45	..	7	30	18	30	..	39
21	21	..	12	36	28	46	..	1
20	21	..	12	35	27	44	..	1
17	18	..	12	29	22	38	..	2
10	10	..	12	26	7	47	..	1
48	64	66	14	45	40	44	94	32
46	64	65	14	46	42	43	95	32
44	64	63	14	45	41	42	96	31
41	62	61	14	43	39	42	95	30
24	39	..	4	45	45	..	..	..
20	33	..	6	43	43	..	..	..
20	33	..	6	41	41	..	..	..
18	27	..	6	39	39	..	..	..
60	64	67	16	51	36	55	82	28
57	62	65	16	50	37	53	82	28
56	60	64	16	49	37	53	82	26
55	62	61	16	49	34	54	80	28
..	..	..	..	35	19	49	..	..
..	..	..	..	36	20	51	..	..
..	..	..	..	36	20	50	..	..
..	..	..	..	37	20	53	..	..
..	..	..	..	22	22	..	..	..
..	..	..	..	22	22	..	..	..
..	..	..	..	23	23	..	..	..
..	..	..	..	22	22	..	..	..
45	64	53	14	44	41	36	96	32
43	64	57	14	46	43	35	97	32
42	65	49	14	45	41	34	98	31
38	62	49	13	43	39	34	97	30
26	37	41	13	46	51	35	..	37
26	36	25	15	45	50	35	..	34
26	35	25	16	43	49	34	..	28
23	34	24	14	40	47	33	..	27

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	2017	41	44	..	..	..	13	..
	2018	41	44	..	..	..	11	..
	2019	41	45	..	..	..	11	..
	2020	41	45	..	..	..	12	..
Australia	2017	41	49	22	..	30	13	5
	2018	40	49	21	..	32	13	..
	2019	38	48	21	..	32	13	..
	2020	35	45	20	..	32	13	..
Cook Islands	2017	30	31	..	..	..	27	..
	2018	34	31	..	..	..	40	..
	2019	32	29	..	..	..	37	..
	2020	29	25	..	..	..	37	..
Fiji	2017	32	30	41	..	1	15	..
	2018	33	27	47	..	1	15	..
	2019	34	29	46	..	2	15	..
	2020	31	25	46	..	1	15	..
French Polynesia	2017	29	29	43	..	4	11	..
	2018	29	29	40	..	4	11	..
	2019	29	30	37	..	6	11	..
	2020	27	29	37	..	8	10	..
Guam	2017	45	46	..	..	21	23	..
	2018	44	45	..	..	21	23	..
	2019	44	45	..	..	21	24	..
	2020	43	44	..	..	21	24	..
Kiribati	2017	33	38	..	..	..	19	..
	2018	33	38	..	..	..	20	..
	2019	33	38	..	..	..	19	..
	2020	32	37	..	..	..	19	..
Marshall Islands	2017	28	29	..	..	..	11	..
	2018	28	29	..	..	..	11	..
	2019	29	30	..	..	..	11	..
	2020	29	30	..	..	..	11	..
Micronesia (Fed. States of)	2017	23	24	20	..	..	21	..
	2018	23	23	20	..	16	18	..
	2019	23	23	20	..	16	18	..
	2020	23	23	20	..	13	17	..
Nauru	2017	51	55	..	..	..	19	..
	2018	30	31	..	..	..	16	..
	2019	29	31	..	..	..	10	..
	2020	24	26	..	..	..	12	..
New Caledonia	2017	36	36	53	..	10	25	..
	2018	38	40	46	..	10	14	..
	2019	35	38	42	..	11	21	..
	2020	34	36	43	..	10	21	..
New Zealand	2017	53	46	53	..	35	12	77
	2018	53	41	55	..	34	12	75
	2019	53	45	54	..	37	12	76
	2020	51	46	51	..	38	13	74
Niue	2017	16	18	..	..	..	2	..
	2018	18	18	..	..	..	16	..
	2019	15	18	..	..	..	6	..
	2020	15	18	..	..	..	6	..
Northern Mariana Islands	2017	69	69	..	..	..	..	..
	2018	71	71	..	..	..	..	..
	2019	72	72	..	..	..	..	..
	2020	52	53	..	..	..	17	..

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	44	..	..	13
..	..	..	..	41	44	..	..	11
..	..	..	..	41	45	..	..	11
..	..	..	..	41	45	..	..	12
24	35	..	12	45	52	22	..	28
24	34	..	14	44	51	21	..	27
24	33	..	16	42	51	21	..	22
22	32	..	14	39	48	20	..	23
..	..	..	..	30	31	..	..	27
..	..	..	..	34	31	..	..	40
..	..	..	..	32	29	..	..	37
..	..	..	..	29	25	..	..	37
5	5	..	..	37	40	41	..	5
8	8	..	..	37	35	47	..	6
10	10	..	..	38	37	46	..	6
14	14	..	..	34	29	46	..	5
..	..	..	..	29	29	43	..	11
..	..	..	..	29	29	40	..	11
..	..	..	..	29	30	37	..	11
..	..	..	..	27	29	37	..	10
..	..	..	..	45	46	..	..	23
..	..	..	..	44	45	..	..	23
..	..	..	..	44	45	..	..	24
..	..	..	..	43	44	..	..	24
21	21	..	..	34	41	..	..	19
21	21	..	..	34	41	..	..	20
21	21	..	..	34	41	..	..	19
21	21	..	..	34	40	..	..	19
..	..	..	..	28	29	..	..	11
..	..	..	..	28	29	..	..	11
..	..	..	..	29	30	..	..	11
..	..	..	..	29	30	..	..	11
..	..	..	..	23	24	20	..	21
..	..	..	..	23	23	20	..	17
..	..	..	..	23	23	20	..	17
..	..	..	..	23	23	20	..	16
..	..	..	..	51	55	..	..	19
..	..	..	..	30	31	..	..	16
..	..	..	..	29	31	..	..	10
..	..	..	..	24	26	..	..	12
..	..	..	..	38	39	53	..	13
..	..	..	..	41	43	46	..	13
..	..	..	..	38	40	42	..	19
..	..	..	..	36	38	43	..	19
50	61	15	24	53	44	53	..	62
46	58	15	21	53	39	55	..	61
47	63	15	19	53	43	54	..	62
42	59	15	18	52	44	51	..	62
..	..	..	..	16	18	..	..	2
..	..	..	..	18	18	..	..	16
..	..	..	..	15	18	..	..	6
..	..	..	..	15	18	..	..	6
..	..	..	..	69	69	..	..	..
..	..	..	..	71	71	..	..	..
..	..	..	..	72	72	..	..	..
..	..	..	..	52	53	..	..	17

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	2017	28	28	..	..	..	35	..
	2018	27	27	..	..	..	27	..
	2019	27	27	..	..	..	26	..
	2020	27	27	..	..	..	26	..
Papua New Guinea	2017	54	55	45	..	..	17	86
	2018	48	51	32	..	..	18	86
	2019	40	39	42	..	..	18	44
	2020	38	37	42	..	..	18	42
Samoa	2017	33	53	24	..	3	13	..
	2018	32	44	39	..	3	13	..
	2019	35	47	40	..	4	15	..
	2020	34	51	34	..	5	14	..
Solomon Islands	2017	34	35	30	..	..	15	..
	2018	34	35	30	..	..	13	..
	2019	35	36	30	..	..	16	..
	2020	35	36	30	..	..	16	..
Tonga	2017	32	40	..	..	17	10	..
	2018	31	40	..	..	11	8	..
	2019	32	41	..	..	2	12	..
	2020	33	41	..	..	20	12	..
Tuvalu	2017	19	25	..	..	..	11	..
	2018	19	25	..	..	..	11	..
	2019	20	26	..	..	..	11	..
	2020	18	26	..	..	..	9	..
Vanuatu	2017	27	28	63	..	17	19	..
	2018	30	31	67	..	15	26	..
	2019	29	28	68	..	21	30	..
	2020	27	25	74	..	19	30	..
Wallis and Futuna Is.	2017	25	26	19	..	..	10	..
	2018	26	26	19	..	..	10	..
	2019	27	27	20	..	..	10	..
	2020	30	31	20	..	..	10	..

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
46	46	..	..	27	27	..	..	35
57	57	..	..	25	25	..	..	27
68	68	..	..	24	24	..	..	26
68	68	..	..	25	25	..	..	26
63	64	42	86	40	34	47	..	17
62	67	25	86	31	29	35	..	18
53	61	25	44	28	18	51	..	18
48	55	24	42	28	19	50	..	18
10	..	..	10	33	53	24	..	13
10	..	..	10	32	44	39	..	13
10	..	..	10	35	47	40	..	15
11	..	..	11	34	51	34	..	13
46	46	..	..	33	35	30	..	15
34	34	..	..	34	35	30	..	13
39	39	..	..	35	36	30	..	16
37	37	..	..	35	36	30	..	16
..	..	..	..	32	40	..	..	10
..	..	..	..	31	40	..	..	8
..	..	..	..	32	41	..	..	10
..	..	..	..	33	41	..	..	14
..	..	..	..	19	25	..	..	11
..	..	..	..	19	25	..	..	11
..	..	..	..	20	26	..	..	11
..	..	..	..	18	26	..	..	9
..	..	..	..	27	28	63	..	18
..	..	..	..	30	31	67	..	20
..	..	..	..	29	28	68	..	25
..	..	..	..	27	25	74	..	24
..	..	..	..	25	26	19	..	10
..	..	..	..	26	26	19	..	10
..	..	..	..	27	27	20	..	10
..	..	..	..	30	31	20	..	10

Table 32

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, 1990-2020

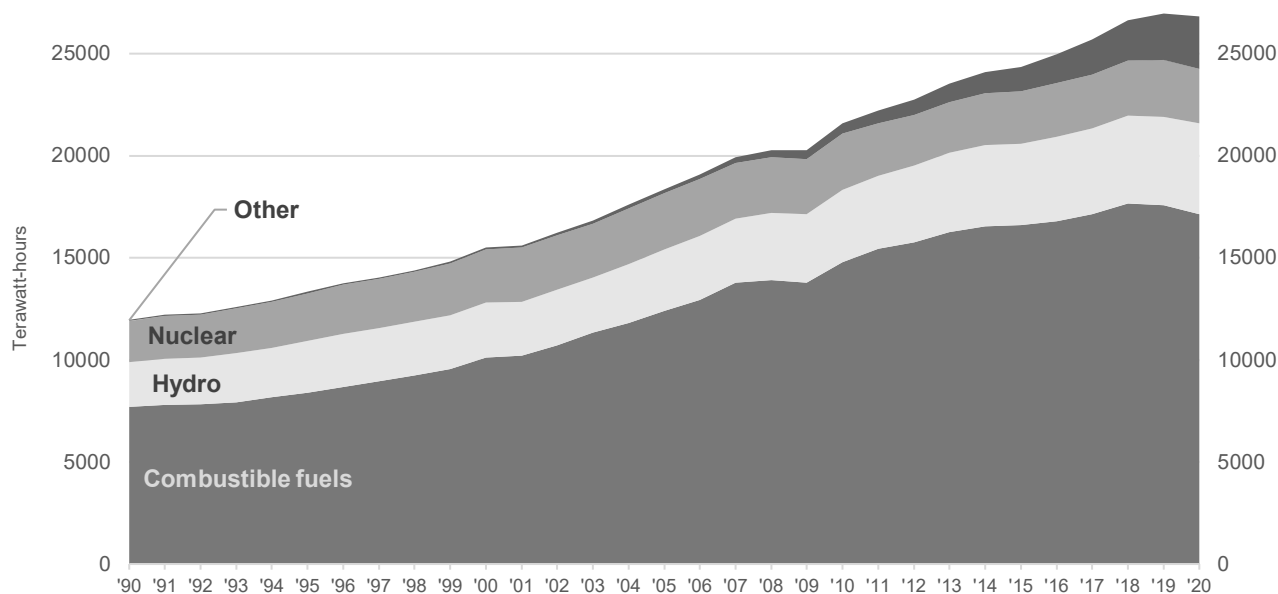


Figure 76: World production of electricity by source and region, 2020

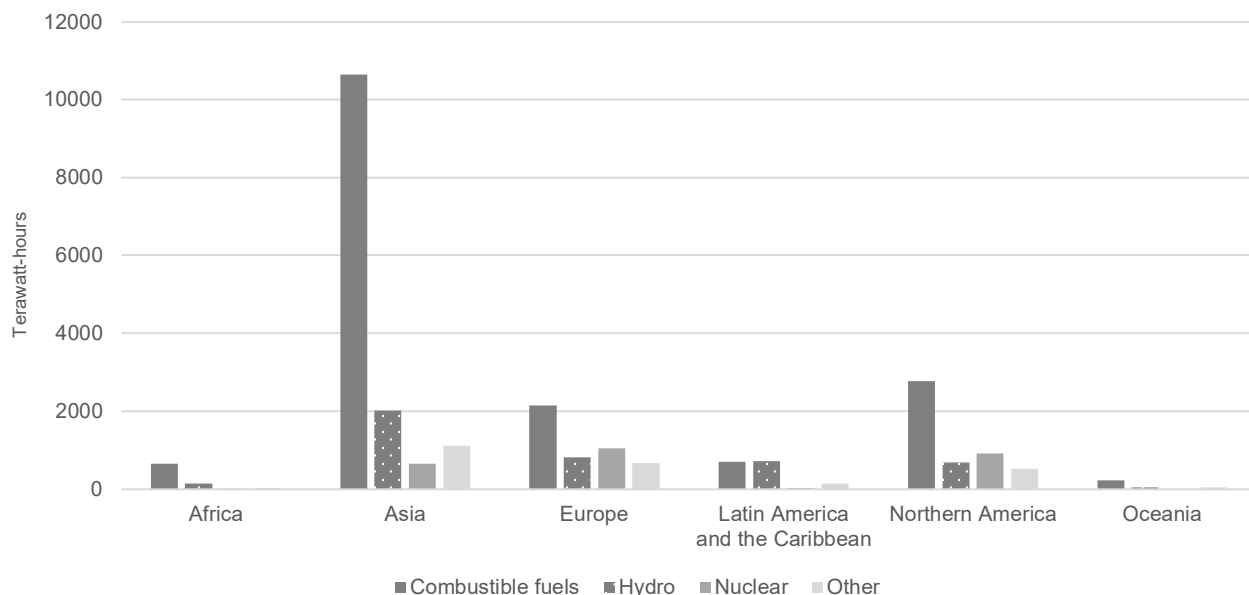


Figure 77: Major countries producing electricity from combustible fuels, 2020

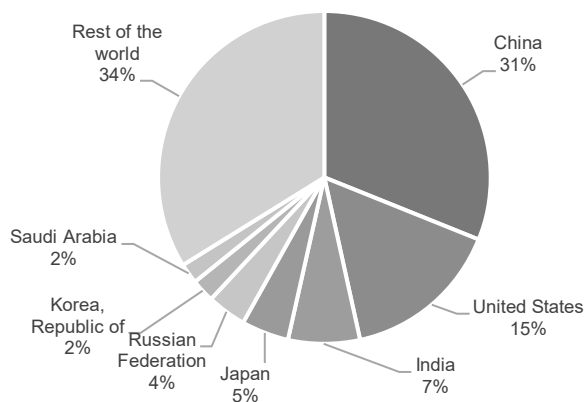


Figure 79: Major countries producing nuclear electricity, 2020

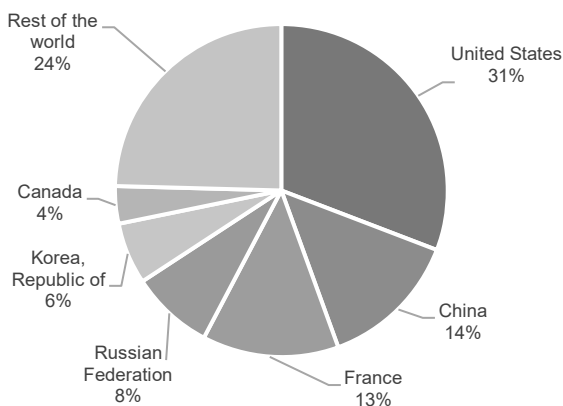


Figure 78: Major countries producing hydro electricity, 2020

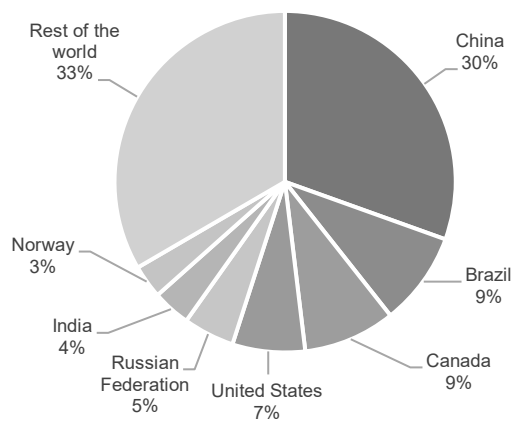


Figure 80: Major countries producing electricity from other sources, 2020

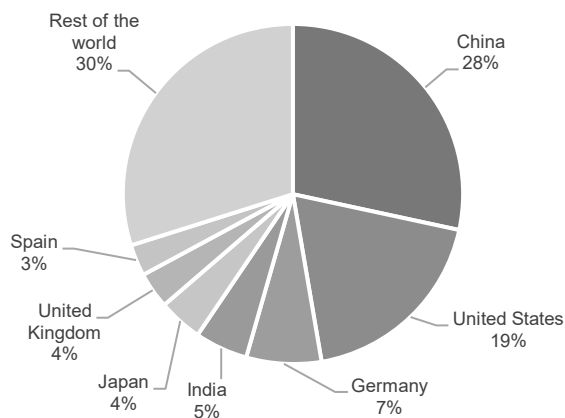


Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2017	25,678,362	17,136,871	4,187,399	2,634,659	1,117,933	429,619	171,880
	2018	26,642,361	17,655,571	4,302,950	2,708,593	1,272,661	565,001	137,586
	2019	26,964,328	17,565,258	4,350,255	2,786,987	1,426,810	693,987	141,032
	2020	26,815,938	17,131,921	4,447,719	2,673,935	1,596,313	836,603	129,447
Africa	2017	827,967	659,198	128,703	15,743	11,651	6,332	6,340
	2018	852,683	673,805	138,639	11,580	14,185	7,671	6,802
	2019	861,532	669,805	142,603	13,252	18,220	10,766	6,885
	2020	848,027	649,136	150,429	9,903	17,652	14,287	6,621
Algeria	2017	76,018	75,383	*56	..	*19	*560	..
	2018	76,662	75,880	*117	..	*11	*655	..
	2019	81,533	80,691	*152	..	*12	*678	..
	2020	79,155	78,433	50	..	8	665	..
Angola	2017	10,737	3,066	7,653	..	..	18	..
	2018	12,869	3,058	9,793	..	..	18	..
	2019	15,474	4,582	10,874	..	..	18	..
	2020	16,400	4,428	11,954	..	..	18	..
Benin	2017	331	325	1	..	..	5	..
	2018	202	197	0	..	..	5	..
	2019	529	521	0	..	..	8	..
	2020	989	982	0	..	..	7	..
Botswana	2017	3,022	3,020	..	..	..	2	..
	2018	3,105	3,100	..	..	..	5	..
	2019	2,508	2,504	..	..	..	5	..
	2020	2,182	2,176	..	..	..	6	..
Burkina Faso	2017	1,095	958	128	..	..	9	..
	2018	1,021	875	91	..	..	54	..
	2019	752	588	105	..	..	59	..
	2020	698	528	112	..	..	57	..
Burundi	2017	189	80	100	..	..	8	..
	2018	246	105	133	..	..	8	..
	2019	269	129	132	..	..	8	..
	2020	276	92	176	..	..	8	..
Cabo Verde	2017	426	351	..	..	68	7	..
	2018	431	341	..	..	80	10	..
	2019	444	362	..	..	74	9	..
	2020	420	350	..	..	64	7	..
Cameroon	2017	8,082	2,976	5,090	..	..	16	..
	2018	8,581	3,539	5,023	..	..	19	..
	2019	8,476	3,227	5,229	..	..	20	..
	2020	9,009	3,555	5,434	..	..	20	..
Central African Rep.	2017	145	*1	144	..	..	0	..
	2018	147	*1	146	..	..	0	..
	2019	149	*1	148	..	..	0	..
	2020	*150	*1	*149	..	..	0	..
Chad	2017	308	299	..	..	9	..	..
	2018	312	303	..	..	9	..	..
	2019	317	308	..	..	9	..	..
	2020	335	326	..	..	9	..	..
Comoros	2017	*91	*91	..	..	..	..	..
	2018	*98	*98	..	..	..	..	..
	2019	*108	*108	..	..	..	..	..
	2020	*130	*130	..	..	..	..	..
Congo	2017	2,965	1,761	1,203	..	..	1	..
	2018	3,096	2,001	1,094	..	..	1	..
	2019	3,655	2,807	847	..	..	1	..
	2020	3,833	2,931	900	..	..	1	..

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
2,134,576	1,876,027	77,758	180,790	23,543,786	15,260,844	4,109,641	2,634,659	1,538,642
2,226,824	1,959,079	76,363	191,381	24,415,537	15,696,491	4,226,587	2,708,593	1,783,867
2,317,522	2,024,050	75,388	218,084	24,646,806	15,541,208	4,274,867	2,786,987	2,043,744
2,229,171	1,916,484	72,121	240,566	24,586,768	15,215,437	4,375,598	2,673,935	2,321,797
51,996	40,469	727	10,800	775,971	618,729	127,976	15,743	13,523
58,741	45,418	1,028	12,295	793,941	628,387	137,611	11,580	16,362
65,609	51,543	890	13,176	795,923	618,262	141,713	13,252	22,695
65,615	51,900	917	12,797	782,412	597,235	149,511	9,903	25,763
5,120	5,120	..	..	70,898	70,263	*56	..	*579
5,437	5,437	..	..	71,225	70,443	*117	..	*665
5,508	5,508	..	..	76,025	75,183	*152	..	*690
5,317	5,317	..	..	73,838	73,115	50	..	673
430	430	..	..	10,307	2,636	7,653	..	18
421	421	..	..	12,448	2,637	9,793	..	18
418	418	..	..	15,056	4,165	10,874	..	18
395	395	..	..	16,005	4,033	11,954	..	18
98	98	..	..	233	226	1	..	5
114	114	..	..	88	83	0	..	5
163	162	..	1	366	359	0	..	6
166	165	..	1	823	817	0	..	6
..	..	..	..	3,022	3,020	..	..	2
..	..	..	..	3,105	3,100	..	..	5
..	..	..	..	2,508	2,504	..	..	5
..	..	..	..	2,182	2,176	..	..	6
..	..	..	..	1,095	958	128	..	9
..	..	..	..	1,021	875	91	..	54
..	..	..	..	752	588	105	..	59
..	..	..	..	698	528	112	..	57
7	7	..	..	182	74	100	..	8
6	6	..	..	240	99	133	..	8
5	5	..	..	264	124	132	..	8
6	6	..	..	270	87	176	..	8
*1	*1	..	..	425	350	..	..	75
*1	*1	..	..	430	340	..	..	90
*1	*1	..	..	444	361	..	..	83
*1	*1	..	..	419	349	..	..	70
2,690	2,690	..	..	5,391	286	5,090	..	16
3,245	3,245	..	..	5,336	293	5,023	..	19
2,990	2,990	..	..	5,486	237	5,229	..	20
3,373	3,373	..	..	5,635	181	5,434	..	20
..	..	..	..	145	*1	144	..	0
..	..	..	..	147	*1	146	..	0
..	..	..	..	149	*1	148	..	0
..	..	..	..	*150	*1	*149	..	0
..	..	..	..	308	299	..	..	9
..	..	..	..	312	303	..	..	9
..	..	..	..	317	308	..	..	9
..	..	..	..	335	326	..	..	9
..	..	..	..	*91	*91	..	..	..
..	..	..	..	*98	*98	..	..	..
..	..	..	..	*108	*108	..	..	..
..	..	..	..	*130	*130	..	..	..
1,761	1,761	..	..	1,204	..	1,203	..	1
2,001	2,001	..	..	1,095	..	1,094	..	1
2,807	2,807	..	..	848	..	847	..	1
2,931	2,931	..	..	901	..	900	..	1

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	2017	10,121	8,074	2,047	..	..	..	..
	2018	10,058	7,096	2,962	..	..	..	..
	2019	10,697	7,197	3,481	..	..	18	..
	2020	11,274	7,887	3,376	..	..	11	..
Dem. Rep. of the Congo	2017	9,988	*506	9,482	..	..	..	..
	2018	12,067	976	11,064	..	..	27	..
	2019	12,060	*985	11,045	..	..	29	..
	2020	12,929	*985	11,914	..	..	30	..
Djibouti	2017	*59	*59	..	..	..	1	..
	2018	55	55	..	..	..	1	..
	2019	92	91	..	..	..	1	..
	2020	126	125	..	..	..	*1	..
Egypt	2017	195,150	179,520	12,850	..	2,200	580	..
	2018	202,838	187,341	12,726	..	2,234	537	..
	2019	194,279	175,998	13,121	..	3,689	1,471	..
	2020	197,201	173,500	15,038	..	4,233	4,430	..
Equatorial Guinea	2017	1,334	896	438	..	..	..	..
	2018	1,355	912	443	..	..	..	..
	2019	*1,363	*913	*450	..	..	..	..
	2020	*1,370	*915	*455	..	..	..	..
Eritrea	2017	334	326	..	..	2	6	..
	2018	352	340	..	..	2	10	..
	2019	363	350	..	..	2	11	..
	2020	375	361	..	..	2	13	..
Eswatini	2017	415	297	118	..	..	0	..
	2018	520	311	209	..	..	0	..
	2019	585	313	270	..	..	2	..
	2020	*541	*310	229	..	..	*2	..
Ethiopia	2017	12,335	27	11,753	..	533	22	..
	2018	13,265	31	12,681	..	533	20	..
	2019	14,558	35	13,655	..	848	20	..
	2020	15,526	35	14,850	..	608	32	..
Gabon	2017	2,278	1,347	929	..	..	2	..
	2018	2,295	1,307	987	..	..	2	..
	2019	2,306	1,318	987	..	..	2	..
	2020	2,423	1,434	987	..	..	2	..
Gambia	2017	317	314	..	..	0	*4	..
	2018	392	388	..	..	0	*4	..
	2019	460	456	..	..	0	*4	..
	2020	482	478	..	..	0	*4	..
Ghana	2017	14,248	8,604	5,616	..	..	28	..
	2018	16,425	10,375	6,017	..	..	33	..
	2019	18,368	11,065	7,252	..	..	52	..
	2020	20,170	12,820	7,293	..	..	57	..
Guinea	2017	1,753	541	1,212	..	..	..	..
	2018	1,914	732	1,182	..	..	..	..
	2019	2,019	*740	1,280	..	..	..	..
	2020	2,454	*970	1,484	..	..	..	..
Guinea-Bissau	2017	*80	*79	..	..	..	1	..
	2018	*81	*80	..	..	..	1	..
	2019	*82	*80	..	..	..	2	..
	2020	*82	*80	..	..	..	*2	..
Kenya	2017	10,360	2,766	2,777	..	61	..	4,756
	2018	11,182	1,679	3,986	..	376	14	5,128
	2019	11,621	1,526	3,205	..	1,563	92	5,235
	2020	11,604	891	4,233	..	1,331	88	5,060

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
173	173	..	..	9,948	7,901	2,047	..	..
61	61	..	..	9,997	7,035	2,962	..	..
65	65	..	..	10,631	7,132	3,481	..	18
72	72	..	..	11,202	7,815	3,376	..	11
*658	*500	158	..	9,330	6	9,324	..	..
1,311	971	340	..	10,756	5	10,724	..	27
*1,164	*980	184	..	10,896	5	10,861	..	29
*1,181	*980	201	..	11,749	5	11,713	..	30
..	..	..	..	*59	*59	..	..	1
..	..	..	..	55	55	..	..	1
..	..	..	..	92	91	..	..	1
..	..	..	..	126	125	..	..	*1
*5,600	*5,600	..	..	189,550	173,920	12,850	..	2,780
6,078	6,078	..	..	196,760	181,263	12,726	..	2,771
11,554	11,554	..	..	182,725	164,444	13,121	..	5,160
11,408	11,408	..	..	185,793	162,092	15,038	..	8,663
..	..	..	..	1,334	896	438	..	..
..	..	..	..	1,355	912	443	..	..
..	..	..	..	*1,363	*913	*450	..	..
..	..	..	..	*1,370	*915	*455	..	..
16	16	..	..	318	310	..	..	8
19	19	..	..	333	321	..	..	12
19	19	..	..	344	331	..	..	13
19	19	..	..	357	342	..	..	15
298	297	*1	0	117	..	117	..	..
312	311	*1	0	208	..	208	..	..
316	313	*1	2	269	..	269	..	..
*313	*310	*1	*2	227	..	227	..	..
23	23	..	..	12,312	4	11,753	..	555
26	26	..	..	13,239	5	12,681	..	553
30	30	..	..	14,528	5	13,655	..	868
30	30	..	..	15,496	5	14,850	..	640
235	228	5	2	2,043	1,119	924	..	..
226	218	6	2	2,069	1,088	981	..	..
222	214	6	2	2,085	1,104	981	..	..
243	236	6	2	2,179	1,198	981	..	..
*37	*37	..	..	280	277	..	..	*4
*37	*37	..	..	354	351	..	..	*4
*38	*38	..	..	422	418	..	..	*4
*38	*38	..	..	444	440	..	..	*4
*180	*180	..	..	14,068	8,424	5,616	..	28
*180	*180	..	..	16,245	10,195	6,017	..	33
*180	*180	..	..	18,188	10,885	7,252	..	52
..	..	..	..	20,170	12,820	7,293	..	57
465	465	..	..	1,288	76	1,212	..	..
619	619	..	..	1,295	114	1,182	..	..
*625	*625	..	..	1,394	*115	1,280	..	..
*850	*850	..	..	1,604	*120	1,484	..	..
*19	*19	..	..	*61	*60	..	..	1
*19	*19	..	..	*62	*61	..	..	1
*19	*19	..	..	*63	*61	..	..	2
*19	*19	..	..	*63	*61	..	..	*2
231	231	..	..	10,129	2,534	2,777	..	4,818
133	133	..	..	11,049	1,546	3,986	..	5,517
212	212	..	..	11,408	1,313	3,205	..	6,890
137	137	..	..	11,467	755	4,233	..	6,480

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Lesotho	2017	502	*1	501	..	..	..	..
	2018	517	1	517	..	..	..	..
	2019	393	1	392	..	..	..	..
	2020	427	*1	426	..	..	..	..
Liberia	2017	*478	*351	*124	..	..	*3	..
	2018	*405	*277	*124	..	..	*4	..
	2019	*418	*290	*124	..	..	*4	..
	2020	*446	*318	*124	..	..	*4	..
Libya	2017	33,282	33,274	..	..	..	8	..
	2018	34,171	34,164	..	..	..	8	..
	2019	34,629	34,621	..	..	..	8	..
	2020	29,499	29,491	..	..	..	8	..
Madagascar	2017	1,983	1,177	783	..	0	23	..
	2018	2,099	1,107	968	..	0	*23	..
	2019	2,178	1,259	886	..	0	32	..
	2020	2,167	1,317	818	..	0	32	..
Malawi	2017	1,917	*54	1,824	..	..	39	..
	2018	1,803	*385	1,365	..	..	53	..
	2019	1,937	*125	1,647	..	..	165	..
	2020	*1,882	*68	*1,647	..	..	168	..
Mali	2017	3,096	*1,935	1,130	..	..	31	..
	2018	*3,290	*1,992	*1,267	..	..	31	..
	2019	3,535	*2,137	1,365	..	..	33	..
	2020	3,728	*2,191	1,444	..	..	93	..
Mauritania	2017	1,183	1,022	..	..	104	57	..
	2018	1,271	1,023	..	..	104	144	..
	2019	1,347	1,099	..	..	*104	*144	..
	2020	*1,434	*1,163	..	..	131	140	..
Mauritius	2017	3,120	2,976	90	..	15	39	..
	2018	3,131	2,943	125	..	15	49	..
	2019	3,237	2,994	99	..	15	128	..
	2020	2,882	2,603	116	..	18	146	..
Morocco	2017	33,192	26,875	1,565	..	3,035	415	1,302
	2018	35,822	27,708	1,998	..	3,863	950	1,302
	2019	41,650	32,390	1,654	..	4,723	1,581	1,302
	2020	40,057	31,353	1,290	..	4,592	1,520	1,302
Mozambique	2017	17,452	3,393	14,058	..	..	2	..
	2018	16,988	3,088	13,899	..	..	1	..
	2019	18,824	3,864	14,930	..	..	31	..
	2020	18,886	3,113	15,703	..	..	70	..
Namibia	2017	1,773	66	1,593	..	5	108	..
	2018	1,416	21	1,144	..	18	233	..
	2019	1,372	52	954	..	18	348	..
	2020	1,957	65	1,505	..	18	369	..
Niger	2017	566	552	..	..	..	15	..
	2018	480	447	..	..	..	33	..
	2019	626	593	..	..	..	33	..
	2020	656	610	..	..	..	*46	..
Nigeria	2017	32,218	24,443	7,744	..	3	28	..
	2018	33,380	25,657	7,692	..	3	28	..
	2019	33,107	24,633	8,430	..	3	41	..
	2020	32,432	24,701	7,686	..	*3	42	..
Rwanda	2017	700	349	334	..	..	17	..
	2018	759	403	338	..	..	18	..
	2019	798	393	387	..	..	18	..
	2020	838	326	494	..	..	18	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	502	*1	501	..	..
..	..	..	..	517	1	517	..	..
..	..	..	..	393	1	392	..	..
..	..	..	..	427	*1	426	..	..
*203	*200	..	*3	*275	*151	*124	..	..
*204	*200	..	*4	*201	*77	*124	..	..
*204	*200	..	*4	*214	*90	*124	..	..
*204	*200	..	*4	*242	*118	*124	..	..
..	..	..	..	33,282	33,274	..	..	8
..	..	..	..	34,171	34,164	..	..	8
..	..	..	..	34,629	34,621	..	..	8
..	..	..	..	29,499	29,491	..	..	8
260	260	..	..	1,723	917	783	..	23
*279	*279	..	..	1,820	829	968	..	*23
*285	*285	..	..	1,892	974	886	..	32
*298	*298	..	..	1,869	1,018	818	..	32
*54	*53	*1	..	1,863	*1	1,823	..	39
*385	*380	*5	..	1,418	*5	1,360	..	53
*125	*120	*5	..	1,812	*5	1,642	..	165
*68	*63	*5	..	*1,814	*5	*1,642	..	168
*1,014	*986	..	28	2,082	949	1,130	..	3
*1,070	*1,042	..	28	*2,220	*950	*1,267	..	*3
*1,124	*1,093	..	31	2,411	1,044	1,365	..	2
*1,133	*1,101	..	32	2,595	1,090	1,444	..	61
342	342	..	..	841	680	..	..	161
*346	*346	..	..	925	677	..	..	248
*350	*350	..	..	997	749	..	..	*248
*372	*372	..	..	*1,062	*791	..	..	271
1,826	1,775	..	51	1,293	1,201	90	..	3
1,758	1,697	..	62	1,373	1,246	125	..	3
1,755	1,614	..	141	1,482	1,381	99	..	3
1,682	1,521	..	161	1,200	1,082	116	..	3
1,388	..	..	1,388	31,804	26,875	1,565	..	3,364
1,389	..	..	1,389	34,432	27,708	1,998	..	4,726
1,567	176	..	1,391	40,083	32,214	1,654	..	6,216
1,660	283	..	1,378	38,396	31,070	1,290	..	6,036
58	58	..	..	17,394	3,335	14,058	..	2
61	61	..	..	16,927	3,027	13,899	..	1
65	65	..	..	18,759	3,799	14,930	..	31
*70	*70	..	..	18,816	3,043	15,703	..	70
..	..	..	..	1,773	66	1,593	..	113
..	..	..	..	1,416	21	1,144	..	251
..	..	..	..	1,372	52	954	..	366
..	..	..	..	1,957	65	1,505	..	387
25	10	..	15	541	541	..	..	..
43	*11	..	33	437	437	..	..	..
*91	*58	..	33	535	535	..	..	..
*108	*62	..	*46	548	548	..	..	..
5,530	5,341	158	31	26,688	19,102	7,586	..	..
5,795	5,607	157	31	27,586	20,051	7,535	..	..
5,599	5,383	172	44	27,508	19,250	8,258	..	..
5,599	5,398	157	45	26,833	19,303	7,530	..	..
*2	*2	..	..	698	347	334	..	17
*2	*2	..	..	757	401	338	..	18
*2	*2	..	..	796	391	387	..	18
*2	*2	..	..	836	324	494	..	18

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	2017	109	104	5	..	..	0	..
	2018	*110	*103	6	..	..	0	..
	2019	110	103	6	..	..	0	..
	2020	*110	*103	*6	..	..	0	..
Senegal	2017	4,418	4,270	..	..	..	99	49
	2018	4,502	4,333	..	..	..	80	89
	2019	*4,453	*4,081	..	..	23	*291	58
	2020	5,804	5,159	..	..	217	*385	43
Seychelles	2017	513	503	..	..	7	3	..
	2018	518	507	..	..	7	4	..
	2019	540	531	..	..	5	4	..
	2020	535	523	..	..	6	6	..
Sierra Leone	2017	319	89	224	..	..	6	..
	2018	320	91	223	..	..	6	..
	2019	260	17	237	..	..	6	..
	2020	253	11	236	..	..	*6	..
Somalia	2017	367	350	..	..	6	11	..
	2018	367	350	..	..	6	11	..
	2019	367	350	..	..	6	11	..
	2020	370	340	..	..	6	24	..
South Africa	2017	257,769	227,635	5,323	15,743	5,132	3,936	..
	2018	256,064	228,082	5,694	11,580	6,467	4,241	..
	2019	252,639	222,163	5,791	13,252	6,624	4,809	..
	2020	239,520	212,410	6,239	9,903	5,937	5,031	..
South Sudan	2017	542	539	..	..	..	3	..
	2018	548	538	..	..	..	10	..
	2019	557	546	..	..	..	11	..
	2020	558	547	..	..	..	11	..
St. Helena and Depend.	2017	11	9	..	..	2	1	..
	2018	12	8	..	..	3	2	..
	2019	12	9	..	..	2	1	..
	2020	11	8	..	..	2	1	..
Sudan	2017	15,692	6,325	9,347	..	..	20	..
	2018	16,398	6,721	9,657	..	..	21	..
	2019	16,814	6,583	10,210	..	..	21	..
	2020	*16,758	*6,686	*10,051	..	..	*21	..
Togo	2017	804	595	207	..	..	3	..
	2018	588	389	196	..	..	3	..
	2019	718	476	236	..	..	6	..
	2020	699	547	144	..	..	8	..
Tunisia	2017	20,589	19,758	17	..	449	133	232
	2018	21,012	20,085	17	..	453	174	283
	2019	22,140	21,038	66	..	500	245	291
	2020	21,633	20,572	46	..	465	333	216
Uganda	2017	3,854	381	3,447	..	..	25	..
	2018	4,040	405	3,602	..	..	32	..
	2019	4,364	300	3,986	..	..	78	..
	2020	*4,445	246	*4,081	..	..	118	..
United Rep. of Tanzania	2017	7,258	4,869	2,350	..	..	39	..
	2018	7,403	4,915	*2,400	..	..	88	..
	2019	7,873	5,306	2,477	..	..	89	..
	2020	7,954	4,763	3,139	..	..	51	..
Zambia	2017	14,536	2,065	12,471	..	..	0	..
	2018	16,282	2,574	13,706	..	..	1	..
	2019	15,115	2,669	12,329	..	..	118	..
	2020	15,237	2,294	12,793	..	..	150	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	109	104	5	..	0
..	..	..	..	*110	*103	6	..	0
..	..	..	..	110	103	6	..	0
..	..	..	..	*110	*103	*6	..	0
969	821	..	148	3,449	3,449	..	..	..
1,134	965	..	169	3,368	3,368	..	..	..
1,026	869	..	*158	*3,427	*3,212	..	..	*214
805	631	..	*174	4,999	4,528	..	..	*472
*89	*89	..	..	424	414	..	..	10
*90	*90	..	..	428	417	..	..	11
*92	*92	..	..	448	439	..	..	9
*93	*93	..	..	442	430	..	..	12
4	4	..	..	315	85	224	..	6
4	4	..	..	316	87	223	..	6
4	4	..	..	256	13	237	..	6
*4	*4	..	..	249	7	236	..	*6
..	..	..	..	367	350	..	..	17
..	..	..	..	367	350	..	..	17
..	..	..	..	367	350	..	..	17
..	..	..	..	370	340	..	..	30
20,121	11,256	140	8,725	237,648	216,379	5,183	15,743	343
23,261	13,163	75	10,023	232,803	214,919	5,619	11,580	685
24,159	13,385	43	10,731	228,480	208,778	5,748	13,252	702
24,328	13,932	57	10,339	215,192	198,478	6,182	9,903	629
39	37	..	2	503	502	..	..	1
48	43	..	5	500	495	..	..	5
49	43	..	6	508	503	..	..	5
50	44	..	6	508	503	..	..	5
..	..	..	..	11	9	..	..	3
..	..	..	..	12	8	..	..	4
..	..	..	..	12	9	..	..	3
..	..	..	..	11	8	..	..	3
130	130	..	..	15,562	6,195	9,347	..	20
122	122	..	..	16,277	6,599	9,657	..	21
109	109	..	..	16,705	6,474	10,210	..	21
*107	*107	..	..	*16,651	*6,579	*10,051	..	*21
6	4	..	3	798	591	207	..	..
7	4	..	3	581	385	196	..	..
12	7	..	5	706	469	236	..	0
10	4	..	7	688	543	144	..	1
1,187	822	..	365	19,402	18,936	17	..	449
1,467	1,010	..	457	19,545	19,075	17	..	453
1,591	1,055	..	536	20,549	19,983	66	..	500
1,594	1,045	..	549	20,039	19,527	46	..	465
414	150	264	..	3,440	231	3,183	..	25
651	207	444	..	3,389	199	3,158	..	32
677	197	480	..	3,687	103	3,506	..	78
*680	188	*491	..	*3,765	58	*3,590	..	118
47	8	..	39	7,211	4,861	2,350	..	..
95	7	..	88	7,308	4,908	*2,400	..	..
98	8	..	89	7,776	5,298	2,477	..	..
59	8	..	51	7,894	4,755	3,139	..	..
78	78	..	..	14,458	1,987	12,471	..	0
78	78	..	..	16,203	2,496	13,706	..	1
78	78	..	..	15,037	2,591	12,329	..	118
78	78	..	..	15,159	2,216	12,793	..	150

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						Other
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	
Zimbabwe	2017	7,544	3,575	3,969	..	..	..	..
	2018	9,418	4,369	5,049	..	..	..	..
	2019	8,451	4,285	4,166	..	..	..	..
	2020	6,712	2,882	3,805	..	..	24	..
Asia	2017	13,082,812	10,075,825	1,817,460	507,231	370,068	209,207	103,022
	2018	13,772,209	10,493,012	1,859,815	577,664	470,082	314,303	57,333
	2019	14,212,142	10,598,066	1,981,264	654,036	521,688	397,456	59,632
	2020	14,431,976	10,634,619	2,017,186	659,696	585,658	473,688	61,130
Afghanistan	2017	1,420	176	1,244	..	..	..	..
	2018	1,266	200	1,066	..	..	..	..
	2019	1,592	183	1,388	..	..	21	..
	2020	1,337	124	1,181	..	..	32	..
Armenia	2017	7,765	2,872	2,269	2,620	2	3	..
	2018	7,791	3,376	2,318	2,076	2	19	..
	2019	7,680	3,047	2,371	2,198	3	61	..
	2020	7,839	3,166	1,778	2,756	2	137	..
Azerbaijan	2017	24,321	22,515	1,746	..	22	37	..
	2018	25,229	23,339	1,768	..	83	39	..
	2019	26,073	24,359	1,565	..	105	44	..
	2020	25,839	24,627	1,070	..	96	47	..
Bahrain	2017	29,193	29,183	..	..	*1	*9	..
	2018	29,516	29,506	..	..	*1	*9	..
	2019	33,453	33,442	..	..	*1	*10	..
	2020	33,374	33,363	..	..	*1	*10	..
Bangladesh	2017	73,249	71,934	1,041	..	6	268	..
	2018	78,612	77,229	1,086	..	6	291	..
	2019	84,828	83,707	769	..	6	347	..
	2020	84,759	83,474	878	..	6	401	..
Bhutan	2017	7,730	0	7,728	..	1	0	..
	2018	6,960	0	6,959	..	1	0	..
	2019	8,858	0	8,857	..	*1	0	..
	2020	11,371	0	11,370	..	1	0	..
Brunei Darussalam	2017	4,157	4,155	..	..	..	2	..
	2018	4,294	4,292	..	..	..	2	..
	2019	4,933	4,931	..	..	..	2	..
	2020	5,736	5,734	..	..	..	2	..
Cambodia	2017	6,902	4,105	2,792	..	..	5	..
	2018	8,530	3,542	4,971	..	..	17	..
	2019	9,018	4,680	4,239	..	..	98	..
	2020	8,982	4,604	4,073	..	..	306	..
China	2017	6,604,476	4,754,595	1,197,865	248,100	297,230	106,338	348
	2018	7,166,133	5,096,318	1,231,787	294,359	365,971	177,517	181
	2019	7,503,458	5,220,150	1,304,440	348,350	406,030	224,460	28
	2020	7,779,060	5,330,250	1,355,210	366,250	466,470	260,857	23
China, Hong Kong SAR	2017	36,970	36,970	..	..	..	..	..
	2018	36,565	36,565	..	..	..	..	..
	2019	36,911	36,911	..	..	..	..	..
	2020	35,189	35,189	..	..	..	..	..
China, Macao SAR	2017	1,465	1,465	..	..	..	..	..
	2018	653	653	..	..	..	..	..
	2019	830	830	..	..	..	..	..
	2020	562	562	..	..	..	..	..
Cyprus	2017	5,004	4,621	..	..	211	172	..
	2018	5,061	4,640	..	..	221	199	..
	2019	5,141	4,685	..	..	239	218	..
	2020	4,849	4,313	..	..	240	296	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
167	167	..	..	7,377	3,408	3,969	..	..
206	206	..	..	9,212	4,163	5,049	..	..
209	209	..	..	8,242	4,076	4,166	..	..
109	109	..	..	6,603	2,773	3,805	..	24
1,197,458	1,093,024	12,428	92,006	11,885,354	8,982,801	1,805,032	507,231	590,291
1,248,249	1,148,409	10,121	89,719	12,523,960	9,344,602	1,849,694	577,664	752,000
1,309,069	1,197,475	9,986	101,608	12,903,073	9,400,591	1,971,278	654,036	877,169
1,213,682	1,098,290	9,171	106,221	13,218,295	9,536,329	2,008,016	659,696	1,014,254
*322	*8	*314	..	1,098	168	930	..	..
*287	*7	*280	..	979	193	786	..	..
*306	*6	*300	..	1,286	177	1,088	..	21
*306	*6	*300	..	1,031	118	881	..	32
2	..	..	2	7,763	2,872	2,269	2,620	2
14	..	..	14	7,777	3,376	2,318	2,076	7
47	..	..	47	7,632	3,047	2,371	2,198	17
115	..	..	115	7,723	3,166	1,778	2,756	23
2,089	2,070	..	20	22,232	20,445	1,746	..	40
2,096	2,096	..	0	23,133	21,243	1,768	..	122
2,069	2,069	..	0	24,004	22,290	1,565	..	150
2,158	2,155	3	0	23,681	22,471	1,067	..	143
11,244	11,244	..	..	17,949	17,939	..	..	*10
11,683	11,683	..	..	17,833	17,823	..	..	*10
15,236	15,236	..	..	18,217	18,206	..	..	*11
15,427	15,427	..	..	17,947	17,936	..	..	*11
17,237	17,237	..	..	56,012	54,697	1,041	..	274
17,244	17,244	..	..	61,368	59,985	1,086	..	297
17,161	17,161	..	..	67,667	66,546	769	..	353
16,558	16,558	..	..	68,201	66,916	878	..	407
..	..	..	..	7,730	0	7,728	..	1
..	..	..	..	6,960	0	6,959	..	2
..	..	..	..	8,858	0	8,857	..	*2
..	..	..	..	11,371	0	11,370	..	1
433	433	..	..	3,724	3,722	..	..	2
440	440	..	..	3,853	3,852	..	..	2
912	912	..	..	4,021	4,019	..	..	2
1,662	1,662	..	..	4,074	4,073	..	..	2
..	..	..	..	6,902	4,105	2,792	..	5
..	..	..	..	8,530	3,542	4,971	..	17
..	..	..	..	9,018	4,680	4,239	..	98
..	..	..	..	8,982	4,604	4,073	..	306
385,598	385,598	..	..	6,218,878	4,368,997	1,197,865	248,100	403,916
413,311	413,311	..	..	6,752,822	4,683,007	1,231,787	294,359	543,669
423,354	423,354	..	..	7,080,104	4,796,796	1,304,440	348,350	630,518
432,283	432,283	..	..	7,346,777	4,897,967	1,355,210	366,250	727,350
..	..	..	..	36,970	36,970	..	..	..
..	..	..	..	36,565	36,565	..	..	..
..	..	..	..	36,911	36,911	..	..	..
..	..	..	..	35,189	35,189	..	..	..
205	205	..	..	1,260	1,260	..	..	..
179	179	..	..	474	474	..	..	..
217	217	..	..	613	613	..	..	..
189	189	..	..	373	373	..	..	..
108	47	..	61	4,896	4,574	..	..	322
122	51	..	71	4,938	4,589	..	..	349
138	51	..	87	5,003	4,633	..	..	370
150	52	..	98	4,699	4,261	..	..	438

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Georgia	2017	11,531	2,233	9,210	..	88	..	..
	2018	12,149	2,115	9,949	..	84	..	..
	2019	11,857	2,840	8,932	..	85	..	..
	2020	11,160	2,821	8,248	..	91	..	..
India	2017	1,490,257	1,217,575	126,235	38,346	38,486	24,613	*45,002
	2018	1,521,958	1,244,959	135,164	37,813	*64,294	*39,728	..
	2019	1,576,740	1,253,707	156,049	46,472	*69,949	*50,563	..
	2020	*1,533,307	*1,200,660	*160,909	*43,029	*67,418	*61,291	..
Indonesia	2017	262,673	230,068	18,632	..	*6	29	13,938
	2018	275,657	242,665	19,774	..	..	7	13,212
	2019	280,562	247,723	19,749	..	..	10	13,080
	2020	274,780	240,582	19,900	..	..	9	14,289
Iran (Islamic Rep. of)	2017	307,992	285,012	15,051	7,514	306	85	24
	2018	309,351	285,278	15,765	7,450	518	340	..
	2019	321,570	298,856	15,873	5,870	560	410	..
	2020	324,845	302,092	15,887	5,790	566	510	..
Iraq	2017	83,947	81,714	2,176	..	..	57	..
	2018	82,507	80,312	1,818	..	..	377	..
	2019	88,867	83,846	4,963	..	..	57	..
	2020	91,423	86,449	4,916	..	..	57	..
Israel	2017	67,674	65,742	0	..	180	1,511	242
	2018	68,894	66,978	0	..	183	1,574	159
	2019	72,351	68,796	..	..	190	3,115	250
	2020	72,285	67,702	..	..	204	4,163	216
Japan	2017	1,080,902	872,192	91,104	32,912	6,490	55,069	23,136
	2018	1,068,385	823,386	88,348	64,929	7,481	62,668	21,573
	2019	1,040,627	790,504	87,653	63,779	7,617	69,382	21,692
	2020	1,017,778	783,522	87,548	38,752	8,970	79,087	19,900
Jordan	2017	20,793	19,387	38	..	449	920	..
	2018	20,476	18,332	23	..	707	1,415	..
	2019	20,995	18,016	18	..	875	2,086	..
	2020	20,952	16,675	18	..	1,407	2,852	..
Kazakhstan	2017	103,197	91,487	11,210	..	340	160	..
	2018	107,605	96,364	10,395	..	461	384	..
	2019	106,878	95,346	9,994	..	707	831	..
	2020	110,890	98,711	9,660	..	1,029	1,490	..
Korea, Dem.Ppl's.Rep.	2017	14,451	2,537	11,900	..	..	14	..
	2018	15,044	2,229	12,800	..	..	15	..
	2019	13,580	2,563	11,000	..	..	16	..
	2020	15,210	2,394	12,800	..	..	16	..
Korea, Republic of	2017	566,893	400,161	7,006	148,427	2,169	7,056	2,074
	2018	590,129	435,310	7,270	133,505	2,465	9,208	2,370
	2019	581,492	410,786	6,249	145,910	2,681	12,996	2,870
	2020	578,595	386,067	7,148	160,184	3,151	17,967	4,077
Kuwait	2017	72,826	72,788	..	..	25	13	..
	2018	74,161	74,103	..	..	38	20	..
	2019	75,082	74,950	..	..	36	96	..
	2020	74,757	74,544	..	..	33	180	..
Kyrgyzstan	2017	15,514	1,311	14,203	..	..	..	..
	2018	15,728	1,410	14,318	..	..	..	..
	2019	15,100	1,256	13,844	..	..	..	..
	2020	15,404	1,425	13,979	..	..	..	..
Lao People's Dem. Rep.	2017	33,227	12,441	20,777	..	..	9	..
	2018	36,762	13,703	22,999	..	..	60	..
	2019	31,133	12,194	18,899	..	..	40	..
	2020	*39,967	*13,665	*26,262	..	..	*41	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	11,531	2,233	9,210	..	88
..	..	..	..	12,149	2,115	9,949	..	84
..	..	..	..	11,857	2,840	8,932	..	85
..	..	..	..	11,160	2,821	8,248	..	91
184,303	180,391	112	*3,800	1,305,954	1,037,184	126,123	38,346	104,301
175,633	172,645	270	*2,718	1,346,325	1,072,314	134,894	37,813	*101,304
217,942	210,869	280	*6,793	1,358,798	1,042,838	155,769	46,472	*113,719
*182,041	*173,533	*351	*8,157	*1,351,266	*1,027,127	*160,558	*43,029	*120,552
57,258	42,353	6,207	8,697	205,415	187,715	12,425	..	5,276
47,059	47,059	..	..	228,599	195,606	19,774	..	13,218
44,113	44,113	..	..	236,449	203,610	19,749	..	13,089
36,735	36,735	..	..	238,046	203,848	19,900	..	14,298
7,905	7,905	..	..	300,087	277,107	15,051	7,514	415
4,967	4,967	..	..	304,384	280,311	15,765	7,450	858
4,933	4,933	..	..	316,637	293,923	15,873	5,870	970
5,020	5,020	..	..	319,825	297,072	15,887	5,790	1,076
57	..	..	57	83,890	81,714	2,176	..	..
377	..	..	377	82,130	80,312	1,818	..	..
57	..	..	57	88,810	83,846	4,963	..	..
57	..	..	57	91,366	86,449	4,916	..	..
4,265	2,333	0	1,933	63,409	63,409	0	..	0
5,047	3,131	0	1,916	63,847	63,847	0	..	0
6,845	3,796	..	3,049	65,506	65,000	..	..	505
8,072	4,128	..	3,945	64,212	63,574	..	..	638
151,118	80,612	2,747	67,759	929,784	791,580	88,356	32,912	16,936
161,872	86,241	3,290	72,341	906,514	737,145	85,058	64,929	19,382
162,328	82,467	3,328	76,533	878,298	708,036	84,325	63,779	22,158
159,915	75,463	2,999	81,453	857,863	708,059	84,549	38,752	26,504
1,233	1,233	..	..	19,560	18,154	38	..	1,369
1,178	1,178	..	..	19,298	17,154	23	..	2,122
1,222	1,222	..	..	19,773	16,794	18	..	2,961
907	907	..	..	20,045	15,768	18	..	4,259
3,028	2,961	..	67	100,169	88,526	11,210	..	433
3,151	2,908	..	243	104,453	93,456	10,395	..	602
1,148	708	..	440	105,730	94,638	9,994	..	1,098
2,261	2,008	..	253	108,629	96,703	9,660	..	2,266
..	..	..	..	14,451	2,537	11,900	..	14
..	..	..	..	15,044	2,229	12,800	..	15
..	..	..	..	13,580	2,563	11,000	..	16
..	..	..	..	15,210	2,394	12,800	..	16
33,652	32,688	..	964	533,241	367,474	7,006	148,427	10,335
35,726	34,603	..	1,123	554,403	400,707	7,270	133,505	12,921
31,840	30,495	..	1,345	549,652	380,291	6,249	145,910	17,202
30,615	29,107	..	1,507	547,980	356,960	7,148	160,184	23,688
..	..	..	..	72,826	72,788	..	..	38
..	..	..	..	74,161	74,103	..	..	58
..	..	..	..	75,082	74,950	..	..	132
..	..	..	..	74,757	74,544	..	..	213
15	15	..	..	15,499	1,296	14,203	..	..
39	39	..	..	15,689	1,371	14,318	..	..
32	32	..	..	15,068	1,224	13,844	..	..
26	26	..	..	15,378	1,399	13,979	..	..
..	..	..	..	33,227	12,441	20,777	..	9
..	..	..	..	36,762	13,703	22,999	..	60
..	..	..	..	31,133	12,194	18,899	..	40
..	..	..	..	*39,967	*13,665	*26,262	..	*41

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Lebanon	2017	23,411	22,955	415	..	..	41	..
	2018	23,150	22,754	348	..	..	48	..
	2019	23,819	22,736	965	..	..	118	..
	2020	18,344	17,200	1,025	..	..	*120	..
Malaysia	2017	164,509	137,599	26,580	..	..	330	..
	2018	170,578	143,621	26,325	..	..	632	..
	2019	175,778	148,168	26,666	..	..	*943	..
	2020	182,658	154,011	26,217	..	..	2,430	..
Maldives	2017	725	709	..	..	2	14	..
	2018	772	756	..	..	2	14	..
	2019	804	780	..	..	3	21	..
	2020	807	783	..	..	*3	*21	..
Mongolia	2017	6,027	5,759	86	..	155	27	..
	2018	6,535	6,055	81	..	340	59	..
	2019	6,900	6,416	*85	..	*340	*59	..
	2020	6,970	6,486	85	..	340	59	..
Myanmar	2017	20,055	8,864	11,191	..	..	..	..
	2018	22,883	11,641	11,228	..	..	14	..
	2019	23,778	14,328	9,369	..	..	81	..
	2020	23,643	15,194	8,370	..	..	79	..
Nepal	2017	4,639	0	4,632	..	6	1	..
	2018	4,902	0	4,895	..	6	1	..
	2019	6,181	0	6,173	..	7	1	..
	2020	6,223	0	6,215	..	7	1	..
Oman	2017	36,130	36,114	..	..	..	16	..
	2018	37,718	37,702	..	..	..	16	..
	2019	38,337	38,320	..	..	..	17	..
	2020	38,173	38,045	..	..	..	128	..
Other Asia	2017	270,281	235,640	8,780	22,446	1,722	1,692	..
	2018	275,577	235,595	7,852	27,682	1,707	2,740	0
	2019	274,191	227,207	8,753	32,323	1,892	4,014	1
	2020	280,127	233,991	6,178	31,440	2,421	6,095	2
Pakistan	2017	123,533	81,447	32,132	6,867	1,422	654	1,011
	2018	134,982	93,546	27,729	9,849	2,124	714	1,020
	2019	136,461	89,621	32,789	9,134	3,234	716	967
	2020	130,458	80,734	33,991	11,495	2,882	795	561
Philippines	2017	95,747	73,554	9,628	..	1,094	1,201	10,270
	2018	101,223	78,985	9,401	..	1,153	1,249	10,435
	2019	107,517	86,496	8,043	..	1,042	1,246	10,691
	2020	103,215	82,851	7,209	..	1,026	1,373	10,757
Qatar	2017	45,555	45,555	..	..	..	..	..
	2018	47,913	47,913	..	..	..	..	..
	2019	49,873	49,873	..	..	..	..	..
	2020	49,259	49,259	..	..	..	..	..
Saudi Arabia	2017	353,666	353,596	..	..	5	65	..
	2018	343,800	343,581	..	..	5	214	..
	2019	343,313	342,478	..	..	6	829	..
	2020	339,119	338,283	..	..	*6	*830	..
Singapore	2017	52,401	52,226	..	..	..	175	..
	2018	53,142	52,905	..	..	..	237	..
	2019	54,552	54,142	..	..	..	410	..
	2020	53,702	53,080	..	..	..	622	..
Sri Lanka	2017	15,004	10,381	4,039	..	367	217	..
	2018	15,985	9,072	6,401	..	326	186	..
	2019	16,630	11,102	4,812	..	350	366	..
	2020	15,801	10,260	4,976	..	344	221	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
8,913	8,872	..	41	14,498	14,083	415	..	..
7,916	7,868	..	48	15,234	14,886	348	..	..
9,117	8,999	..	118	14,702	13,737	965	..	..
*5,980	*5,860	..	*120	12,364	11,340	1,025	..	..
5,252	5,247	5	0	159,257	132,352	26,575	..	330
7,163	7,104	0	59	163,415	136,517	26,325	..	573
7,584	7,498	..	*86	168,194	140,670	26,666	..	*857
6,613	6,521	..	*92	176,046	147,491	26,217	..	2,338
*260	*260	..	..	465	449	..	..	16
*280	*280	..	..	492	476	..	..	16
*300	*300	..	..	504	480	..	..	24
*300	*300	..	..	507	483	..	..	*24
86	..	86	..	5,941	5,759	..	..	182
81	..	81	..	6,454	6,055	..	..	399
*85	..	*85	..	6,815	6,416	..	..	*399
85	..	85	..	6,885	6,486	..	..	399
6,499	5,749	750	..	13,557	3,116	10,441	..	..
12,396	8,779	3,602	14	10,487	2,862	7,625	..	..
14,415	10,929	3,405	81	9,363	3,399	5,964	..	..
16,421	13,243	3,099	79	7,222	1,951	5,271	..	..
156	..	156	..	4,483	0	4,476	..	7
157	..	157	..	4,745	0	4,738	..	6
161	..	161	..	6,019	0	6,012	..	7
164	..	164	..	6,059	0	6,052	..	8
..	..	..	..	36,130	36,114	..	..	16
..	..	..	..	37,718	37,702	..	..	16
..	..	..	..	38,337	38,320	..	..	17
..	..	..	..	38,173	38,045	..	..	128
36,034	34,433	..	1,601	234,246	201,207	8,780	22,446	1,813
41,765	39,108	..	2,657	233,811	196,487	7,852	27,682	1,789
42,095	38,332	..	3,763	232,096	188,875	8,753	32,323	2,144
42,481	37,190	..	5,291	237,646	196,801	6,178	31,440	3,227
2,726	1,715	..	1,011	120,807	79,732	32,132	6,867	2,076
2,983	1,963	..	1,020	131,999	91,583	27,729	9,849	2,838
2,980	2,013	..	967	133,481	87,608	32,789	9,134	3,950
*2,577	*2,016	..	561	127,881	78,718	33,991	11,495	3,677
*1,376	*1,359	*17	..	94,371	72,195	9,611	..	12,565
*1,458	*1,441	*17	..	99,765	77,544	9,384	..	12,837
*1,475	*1,458	*17	..	106,042	85,038	8,026	..	12,979
*1,460	*1,443	*17	..	101,756	81,408	7,192	..	13,156
42,813	42,813	..	..	2,742	2,742	..	..	..
46,380	46,380	..	..	1,533	1,533	..	..	..
47,942	47,942	..	..	1,930	1,930	..	..	..
46,500	46,500	..	..	2,759	2,759	..	..	..
146,658	146,658	..	..	207,008	206,938	..	..	70
151,161	151,161	..	..	192,639	192,420	..	..	219
149,601	149,601	..	..	193,712	192,877	..	..	835
*154,936	*154,936	..	..	184,183	183,347	..	..	*836
3,990	3,990	..	..	48,410	48,235	..	..	175
4,733	4,733	..	..	48,409	48,172	..	..	237
4,497	4,497	..	..	50,055	49,645	..	..	410
4,661	4,661	..	..	49,041	48,419	..	..	622
1,184	86	964	134	13,821	10,296	3,075	..	450
1,409	87	1,232	89	14,577	8,985	5,169	..	423
1,233	118	1,011	105	15,396	10,984	3,801	..	611
1,269	*118	1,047	*105	14,532	10,142	3,929	..	460

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
State of Palestine	2017	546	501	..	..	..	45	..
	2018	420	360	..	..	..	60	..
	2019	811	691	..	..	..	120	..
	2020	840	662	..	..	..	178	..
Syrian Arab Republic	2017	18,288	17,534	754	..	..	..	..
	2018	18,286	17,532	754	..	..	..	..
	2019	17,648	16,894	754	..	..	..	..
	2020	16,365	15,611	754	..	..	..	..
Tajikistan	2017	18,144	1,011	17,133	..	..	..	..
	2018	19,743	1,348	18,395	..	..	..	..
	2019	20,957	1,788	19,169	..	..	..	..
	2020	20,101	1,987	18,114	..	..	..	..
Thailand	2017	181,940	171,453	4,833	..	1,110	4,543	2
	2018	182,288	168,326	7,783	..	1,641	4,537	1
	2019	190,681	175,418	6,446	..	3,670	5,146	1
	2020	188,870	176,452	4,656	..	3,124	4,636	1
Timor-Leste	2017	430	427	2	..	..	1	..
	2018	453	450	2	..	..	1	..
	2019	518	515	2	..	..	*1	..
	2020	505	503	2	..	..	1	..
Türkiye	2017	297,278	211,290	58,218	..	17,904	2,889	6,976
	2018	304,802	208,733	59,938	..	19,949	7,800	8,381
	2019	303,898	174,041	88,823	..	21,731	9,250	10,053
	2020	306,703	181,526	78,094	..	24,828	10,950	11,304
Turkmenistan	2017	22,534	22,531	3	..	..	..	..
	2018	22,534	22,531	3	..	..	..	..
	2019	22,534	22,531	3	..	..	..	..
	2020	22,534	22,531	3	..	..	..	..
United Arab Emirates	2017	*134,569	*133,835	..	..	..	734	..
	2018	*136,014	*134,711	..	..	..	1,303	..
	2019	*138,454	*134,674	..	..	..	3,780	..
	2020	*137,310	*131,835	..	..	..	5,475	..
Uzbekistan	2017	60,323	52,393	7,930	..	..	1	..
	2018	62,408	56,510	5,897	..	..	0	..
	2019	63,021	56,544	6,462	..	16	0	..
	2020	66,516	61,502	4,999	..	16	0	..
Viet Nam	2017	198,499	109,354	88,875	..	270	..	..
	2018	213,199	128,576	84,205	..	312	106	..
	2019	*232,602	*142,200	85,097	..	312	4,993	..
	2020	240,543	156,672	73,461	..	976	9,434	..
Yemen	2017	4,050	3,856	..	..	..	194	..
	2018	3,487	3,003	..	..	..	484	..
	2019	3,277	2,792	..	..	..	484	..
	2020	2,939	2,449	..	..	..	490	..
Europe	2017	4,884,692	2,493,226	744,388	1,138,815	366,277	122,369	19,617
	2018	4,903,522	2,424,485	805,610	1,141,487	383,429	129,529	18,982
	2019	4,848,725	2,342,582	763,672	1,139,926	440,687	142,861	18,997
	2020	4,690,690	2,142,209	823,761	1,050,101	487,839	168,052	18,728
Albania	2017	4,526	..	4,526	..	..	..	..
	2018	8,552	..	8,552	..	..	..	..
	2019	5,206	..	5,184	..	..	22	..
	2020	5,313	..	5,281	..	..	32	..
Andorra	2017	103	17	85	..	..	1	..
	2018	135	20	114	..	..	1	..
	2019	107	21	85	..	..	2	..
	2020	132	17	113	..	..	*2	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
154	132	..	23	392	369	..	..	23
137	107	..	30	284	254	..	..	30
160	100	..	60	651	591	..	..	60
163	74	..	89	677	588	..	..	89
593	593	..	..	17,695	16,941	754	..	..
748	748	..	..	17,538	16,784	754	..	..
642	642	..	..	17,006	16,252	754	..	..
586	586	..	..	15,779	15,025	754	..	..
..	..	..	..	18,144	1,011	17,133	..	..
..	..	..	..	19,743	1,348	18,395	..	..
..	..	..	..	20,957	1,788	19,169	..	..
..	..	..	..	20,101	1,987	18,114	..	..
55,688	51,659	22	4,006	126,251	119,793	4,811	..	1,648
64,128	60,089	38	4,001	118,161	108,237	7,745	..	2,178
68,932	64,358	35	4,538	121,749	111,059	6,411	..	4,279
..	..	..	..	188,870	176,452	4,656	..	7,761
..	..	..	..	430	427	2	..	1
..	..	..	..	453	450	2	..	1
..	..	..	..	518	515	2	..	*1
..	..	..	..	505	503	2	..	1
20,284	17,682	967	1,636	276,993	193,609	57,252	..	26,133
19,918	16,334	1,073	2,510	284,884	192,399	58,865	..	33,620
22,934	18,598	1,282	3,053	280,964	155,443	87,540	..	37,980
25,677	20,842	1,026	3,808	281,027	160,684	77,068	..	43,274
..	..	..	..	22,534	22,531	3	..	..
..	..	..	..	22,534	22,531	3	..	..
..	..	..	..	22,534	22,531	3	..	..
..	..	..	..	22,534	22,531	3	..	..
..	..	..	..	*134,569	*133,835	..	..	734
..	..	..	..	*136,014	*134,711	..	..	1,303
..	..	..	..	*138,454	*134,674	..	..	3,780
..	..	..	..	*137,310	*131,835	..	..	5,475
..	..	..	..	60,323	52,393	7,930	..	1
..	..	..	..	62,408	56,510	5,897	..	0
..	..	..	..	63,021	56,544	6,462	..	16
..	..	..	..	66,516	61,502	4,999	..	16
4,282	4,200	*80	*2	194,217	105,154	88,795	..	268
*4,282	*4,200	*80	*2	208,917	124,376	84,125	..	416
*4,282	*4,200	*80	*2	*228,320	*138,000	85,017	..	5,303
8,596	8,514	*80	*2	231,947	148,158	73,381	..	10,408
437	243	..	194	3,613	3,613	..	..	..
729	245	..	484	2,758	2,758	..	..	..
733	248	..	484	2,544	2,544	..	..	..
717	227	..	490	2,222	2,222	..	..	..
388,463	343,306	9,886	35,272	4,496,229	2,149,921	734,503	1,138,815	472,991
407,309	357,481	10,293	39,535	4,496,213	2,067,005	795,317	1,141,487	492,405
419,534	366,708	10,316	42,510	4,429,191	1,975,874	753,356	1,139,926	560,035
418,354	357,010	10,866	50,479	4,272,336	1,785,199	812,896	1,050,101	624,141
..	..	..	..	4,526	..	4,526	..	..
..	..	..	..	8,552	..	8,552	..	..
..	..	..	..	5,206	..	5,184	..	22
..	..	..	..	5,313	..	5,281	..	32
..	..	..	..	103	17	85	..	1
..	..	..	..	135	20	114	..	1
..	..	..	..	107	21	85	..	2
..	..	..	..	132	17	113	..	*2

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Austria	2017	71,324	21,296	42,175	..	6,572	1,269	13
	2018	68,618	19,900	41,219	..	6,030	1,455	13
	2019	74,234	20,865	44,204	..	7,450	1,702	13
	2020	72,566	18,368	45,354	..	6,792	2,043	10
Belarus	2017	34,515	33,924	405	..	97	89	..
	2018	38,986	38,386	324	..	99	177	..
	2019	40,465	39,756	350	..	178	181	..
	2020	38,548	37,441	399	338	194	176	..
Belgium	2017	86,616	32,615	1,397	42,227	6,518	3,308	551
	2018	75,037	33,171	1,308	28,597	7,571	3,903	487
	2019	93,640	34,497	1,181	43,524	9,750	4,252	436
	2020	89,389	35,273	1,315	34,435	12,764	5,105	498
Bosnia and Herzegovina	2017	16,439	12,431	3,987	..	..	21	..
	2018	19,160	12,517	6,519	..	103	21	..
	2019	17,493	11,037	6,172	..	254	30	..
	2020	16,874	11,904	4,663	..	262	45	..
Bulgaria	2017	45,613	23,633	3,493	15,545	1,504	1,403	34
	2018	46,838	22,606	5,423	16,125	1,318	1,343	22
	2019	44,302	21,573	3,383	16,555	1,317	1,442	31
	2020	40,767	17,827	3,320	16,626	1,477	1,481	36
Croatia	2017	11,984	5,193	5,508	..	1,204	79	..
	2018	13,632	4,435	7,785	..	1,335	75	2
	2019	12,760	5,185	5,933	..	1,467	83	92
	2020	13,385	5,665	5,810	..	1,721	96	94
Czechia	2017	87,050	52,783	3,040	28,340	591	2,193	103
	2018	88,032	52,338	2,679	29,921	609	2,359	125
	2019	87,031	50,474	3,175	30,246	700	2,312	124
	2020	81,517	44,933	3,437	30,043	699	2,287	118
Denmark	2017	31,023	15,473	18	..	14,780	751	..
	2018	30,370	15,500	15	..	13,902	953	..
	2019	29,523	12,393	17	..	16,150	963	..
	2020	28,733	11,205	17	..	16,330	1,181	..
Estonia	2017	13,160	12,397	26	..	723	14	..
	2018	12,364	11,682	15	..	636	31	..
	2019	7,616	6,836	19	..	687	74	..
	2020	5,956	4,959	30	..	844	123	..
Faeroe Islands	2017	334	163	111	..	60	..	..
	2018	352	180	108	..	64	..	..
	2019	386	230	104	..	53	..	..
	2020	407	249	109	..	47	2	..
Finland	2017	67,524	25,031	14,772	22,477	4,795	49	401
	2018	70,263	27,959	13,301	22,793	5,839	90	281
	2019	68,650	25,923	12,421	23,870	6,025	147	264
	2020	68,950	21,392	15,883	23,291	7,938	218	227
France	2017	561,977	72,878	55,135	398,359	24,609	9,586	1,409
	2018	581,785	57,647	70,472	412,942	28,599	10,891	1,235
	2019	570,913	62,148	61,573	399,012	34,787	12,227	1,166
	2020	531,762	57,031	66,532	353,833	39,792	13,398	1,176
Germany	2017	653,723	404,286	26,155	76,324	105,693	39,401	1,864
	2018	640,468	385,445	23,863	76,005	109,951	43,459	1,745
	2019	606,917	334,214	25,671	75,071	125,894	44,383	1,684
	2020	572,666	300,857	24,876	64,382	132,102	48,641	1,808
Gibraltar	2017	214	213	..	..	..	..	0
	2018	215	215	..	..	..	..	0
	2019	220	220	..	..	..	..	0
	2020	215	215	..	..	..	..	0

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
8,211	7,720	478	13	63,114	13,576	41,697	..	7,841
7,987	7,500	474	13	60,631	12,400	40,745	..	7,486
7,966	7,419	535	13	66,268	13,446	43,669	..	9,152
7,837	7,371	456	10	64,729	10,997	44,898	..	8,835
3,735	3,717	9	9	30,780	30,207	396	..	177
3,960	3,876	8	76	35,026	34,510	316	..	200
4,263	4,160	7	96	36,202	35,596	343	..	263
4,072	3,974	8	90	34,476	33,467	391	338	280
11,481	7,620	..	3,861	75,135	24,995	1,397	42,227	6,516
12,162	7,745	..	4,417	62,875	25,426	1,308	28,597	7,544
13,901	9,159	..	4,742	79,739	25,339	1,181	43,524	9,696
15,060	9,385	..	5,675	74,329	25,887	1,315	34,435	12,692
441	441	..	..	15,998	11,990	3,987	..	21
438	438	..	..	18,722	12,079	6,519	..	124
412	412	..	..	17,081	10,625	6,172	..	284
347	347	..	..	16,527	11,557	4,663	..	307
688	654	..	34	44,925	22,980	3,493	15,545	2,907
708	686	..	22	46,130	21,921	5,423	16,125	2,661
721	690	..	31	43,580	20,883	3,383	16,555	2,759
737	702	..	36	40,029	17,125	3,320	16,626	2,958
420	414	6	..	11,564	4,779	5,502	..	1,283
373	367	6	..	13,259	4,068	7,779	..	1,412
375	370	6	..	12,385	4,816	5,927	..	1,642
405	399	6	..	12,981	5,266	5,805	..	1,910
9,112	8,423	611	78	77,939	44,360	2,429	28,340	2,810
8,785	8,191	494	99	79,247	44,147	2,185	29,921	2,994
8,737	8,065	575	98	78,293	42,409	2,600	30,246	3,038
9,066	8,333	644	89	72,451	36,600	2,793	30,043	3,015
2,831	2,079	..	751	28,192	13,394	18	..	14,780
3,097	2,144	..	953	27,273	13,356	15	..	13,902
3,202	2,239	..	963	26,321	10,154	17	..	16,150
3,418	2,238	..	1,181	25,315	8,967	17	..	16,330
164	164	..	..	12,997	12,233	26	..	737
124	123	..	1	12,241	11,560	15	..	666
94	91	1	2	7,521	6,745	18	..	759
183	177	4	2	5,773	4,782	26	..	965
..	..	..	..	334	163	111	..	60
..	..	..	..	352	180	108	..	64
..	..	..	..	386	230	104	..	53
..	..	..	..	407	249	109	..	49
9,833	8,571	1,003	259	57,691	16,460	13,769	22,477	4,985
10,711	9,474	944	292	59,552	18,484	12,357	22,793	5,918
10,819	9,713	760	346	57,831	16,210	11,661	23,870	6,090
10,079	8,602	1,094	383	58,871	12,790	14,789	23,291	8,001
16,801	12,936	527	3,337	545,176	59,942	54,608	398,359	32,267
20,726	16,348	609	3,769	561,059	41,298	69,863	412,942	36,956
22,378	17,548	595	4,235	548,535	44,600	60,977	399,012	43,946
21,652	16,275	590	4,788	510,110	40,756	65,943	353,833	49,579
56,777	55,489	172	1,116	596,946	348,797	25,983	76,324	145,842
54,957	53,785	87	1,085	585,511	331,660	23,776	76,005	154,070
53,336	52,318	98	920	553,581	281,896	25,573	75,071	171,041
51,760	50,652	90	1,018	520,906	250,205	24,786	64,382	181,533
..	..	..	..	214	213	..	..	0
..	..	..	..	215	215	..	..	0
..	..	..	..	220	220	..	..	0
..	..	..	..	215	215	..	..	0

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Greece	2017	55,266	41,698	4,040	..	5,537	3,991	..
	2018	53,263	37,412	5,760	..	6,300	3,791	..
	2019	48,626	32,880	4,051	..	7,266	4,429	..
	2020	48,252	31,055	3,440	..	9,310	4,447	..
Guernsey	2017	77	77	..	..	..	..	..
	2018	54	54	..	..	..	0	..
	2019	165	164	..	..	..	0	..
	2020	23	23	..	..	..	0	..
Hungary	2017	32,915	15,407	220	16,098	758	349	83
	2018	32,067	14,725	222	15,733	607	629	151
	2019	34,291	15,429	219	16,288	729	1,497	129
	2020	34,930	15,358	244	16,055	655	2,459	159
Iceland	2017	19,239	2	14,059	..	8	..	5,170
	2018	19,830	2	13,814	..	4	..	6,010
	2019	19,489	3	13,461	..	7	..	6,018
	2020	19,127	3	13,157	..	7	..	5,961
Ireland	2017	30,876	22,525	895	..	7,444	12	..
	2018	31,139	21,546	932	..	8,640	22	..
	2019	30,960	19,768	1,132	..	10,019	40	..
	2020	32,290	19,453	1,224	..	11,549	64	..
Isle of Man	2017	467	463	4	..	..	..	..
	2018	493	490	*2	..	..	..	..
	2019	581	578	3	..	..	..	..
	2020	552	548	4	..	..	..	..
Italy	2017	295,830	208,824	38,025	..	17,742	24,378	6,862
	2018	289,708	192,129	50,503	..	17,716	22,654	6,707
	2019	293,853	195,084	48,154	..	20,202	23,689	6,725
	2020	280,531	180,805	49,495	..	18,762	24,942	6,528
Jersey	2017	49	49	..	..	..	..	..
	2018	45	45	..	..	..	..	..
	2019	44	44	..	..	..	..	..
	2020	*43	*43	..	..	..	..	..
Kosovo	2017	5,918	5,738	179	..	0	1	..
	2018	5,915	5,611	273	..	30	2	..
	2019	6,351	6,037	213	..	91	11	..
	2020	6,711	6,348	263	..	90	10	..
Latvia	2017	7,531	3,000	4,381	..	150	0	..
	2018	6,725	4,170	2,432	..	122	1	..
	2019	6,438	4,174	2,108	..	154	3	..
	2020	5,725	2,940	2,603	..	177	5	..
Liechtenstein	2017	93	2	69	..	..	22	..
	2018	89	2	62	..	..	25	..
	2019	103	2	75	..	..	26	..
	2020	104	2	72	..	..	30	..
Lithuania	2017	4,187	1,324	1,181	..	1,364	68	250
	2018	3,511	1,089	960	..	1,144	87	232
	2019	3,972	1,210	948	..	1,499	91	223
	2020	5,518	2,550	1,080	..	1,552	129	207
Luxembourg	2017	2,235	470	1,422	..	235	108	..
	2018	2,200	490	1,337	..	255	119	..
	2019	1,908	547	949	..	281	130	..
	2020	2,234	627	1,094	..	351	161	..
Malta	2017	1,652	1,489	..	..	0	162	..
	2018	1,962	1,772	..	..	0	190	..
	2019	2,060	1,864	..	..	0	195	..
	2020	2,143	1,906	..	..	0	237	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
1,933	1,933	..	..	53,333	39,765	4,040	..	9,528
2,215	2,215	..	..	51,048	35,197	5,760	..	10,091
2,480	2,480	..	..	46,146	30,400	4,051	..	11,695
2,712	2,712	..	..	45,539	28,342	3,440	..	13,757
..	..	..	..	77	77	..	..	..
..	..	..	..	54	54	..	..	0
..	..	..	..	165	164	..	..	0
..	..	..	..	23	23	..	..	0
1,300	906	..	394	31,615	14,501	220	16,098	796
1,577	982	..	595	30,490	13,743	222	15,733	792
1,978	1,056	..	922	32,313	14,373	219	16,288	1,433
2,352	1,017	..	1,335	32,578	14,341	244	16,055	1,938
..	..	..	..	19,239	2	14,059	..	5,178
..	..	..	..	19,830	2	13,814	..	6,014
..	..	..	..	19,489	3	13,461	..	6,025
..	..	..	..	19,127	3	13,157	..	5,967
2,239	2,191	..	48	28,637	20,334	895	..	7,408
2,214	2,153	..	61	28,925	19,393	932	..	8,600
2,176	2,084	..	92	28,784	17,684	1,132	..	9,967
2,218	2,100	..	117	30,072	17,352	1,224	..	11,496
24	24	..	..	443	439	4	..	..
*33	*33	..	..	460	457	*2	..	..
*33	*33	..	..	548	545	3	..	..
*33	*33	..	..	518	515	4	..	..
19,782	19,150	489	143	276,048	189,674	37,536	..	48,839
22,784	22,114	466	204	266,925	170,015	50,037	..	46,873
22,340	21,695	492	153	271,513	173,389	47,661	..	50,463
20,335	19,658	465	212	260,196	161,147	49,030	..	50,019
44	44	..	..	4	4	..	..	..
43	43	..	..	2	2	..	..	..
42	42	..	..	2	2	..	..	..
*42	*42	..	..	1	1	..	..	..
..	..	..	..	5,918	5,738	179	..	1
..	..	..	..	5,915	5,611	273	..	32
0	..	..	0	6,351	6,037	213	..	101
..	..	..	..	6,711	6,348	263	..	101
194	188	4	3	7,337	2,812	4,377	..	148
190	186	2	2	6,535	3,984	2,430	..	121
187	180	2	5	6,251	3,994	2,106	..	152
182	173	2	7	5,543	2,767	2,601	..	175
..	..	..	..	93	2	69	..	22
..	..	..	..	89	2	62	..	25
..	..	..	..	103	2	75	..	26
..	..	..	..	104	2	72	..	30
826	576	..	250	3,361	748	1,181	..	1,432
647	416	..	232	2,864	674	960	..	1,231
821	598	..	223	3,151	612	948	..	1,591
816	609	..	207	4,702	1,941	1,080	..	1,681
278	165	4	108	1,957	304	1,418	..	235
282	159	4	119	1,918	331	1,332	..	255
285	150	5	130	1,623	398	944	..	281
308	142	5	161	1,926	485	1,090	..	351
172	10	..	162	1,480	1,480	..	..	..
199	9	..	190	1,763	1,763	..	..	..
202	6	..	195	1,858	1,858	..	..	..
243	6	..	237	1,900	1,900	..	..	..

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Montenegro	2017	2,483	1,348	1,040	..	95	..	..
	2018	3,679	1,444	2,092	..	141	2	..
	2019	3,423	1,506	1,621	..	293	2	..
	2020	3,386	1,615	1,448	..	320	2	..
Netherlands	2017	117,195	99,411	61	3,402	10,569	2,208	1,544
	2018	114,258	95,815	72	3,515	10,549	3,708	599
	2019	121,352	99,915	74	3,910	11,508	5,401	544
	2020	123,554	94,804	46	4,087	15,339	8,765	512
North Macedonia	2017	5,600	4,356	1,110	..	110	24	..
	2018	5,607	3,696	1,791	..	97	23	..
	2019	5,870	4,581	1,164	..	102	23	..
	2020	5,346	3,929	1,277	..	117	24	..
Norway	2017	149,480	3,190	143,112	..	2,854	..	324
	2018	146,891	3,169	139,509	..	3,876	2	334
	2019	135,292	3,010	126,404	..	5,536	13	328
	2020	154,255	2,436	141,593	..	9,911	27	289
Poland	2017	170,465	152,295	3,034	..	14,909	165	62
	2018	170,039	154,428	2,387	..	12,799	300	125
	2019	163,989	145,269	2,665	..	15,107	711	237
	2020	158,043	137,254	2,937	..	15,800	1,958	94
Portugal	2017	59,432	38,344	7,632	..	12,248	992	217
	2018	59,636	32,155	13,628	..	12,617	1,006	230
	2019	53,154	27,687	10,243	..	13,667	1,342	215
	2020	53,078	25,214	13,633	..	12,299	1,716	217
Republic of Moldova	2017	896	839	48	..	7	2	..
	2018	954	884	44	..	23	3	..
	2019	941	830	65	..	43	3	..
	2020	983	881	47	..	51	4	..
Romania	2017	64,296	28,672	14,853	11,509	7,407	1,856	..
	2018	64,876	27,308	18,097	11,377	6,322	1,771	..
	2019	59,623	23,787	16,006	11,280	6,773	1,778	..
	2020	55,935	20,088	15,701	11,466	6,945	1,733	..
Russian Federation	2017	1,094,289	702,882	187,131	203,143	140	558	435
	2018	1,115,093	716,119	193,027	204,569	232	720	426
	2019	1,121,492	713,955	196,510	208,984	331	1,279	433
	2020	1,089,668	655,850	214,388	215,745	1,241	2,022	421
Serbia	2017	37,045	27,232	9,752	..	48	13	..
	2018	37,426	25,869	11,393	..	150	13	..
	2019	37,600	26,490	10,198	..	898	14	..
	2020	37,956	27,219	9,749	..	976	13	..
Slovakia	2017	27,738	7,367	4,623	15,081	6	506	155
	2018	26,971	7,542	3,879	14,843	6	585	116
	2019	28,434	7,953	4,571	15,282	6	589	33
	2020	28,838	7,897	4,799	15,444	4	663	31
Slovenia	2017	16,326	5,610	4,141	6,285	6	284	..
	2018	16,327	5,397	4,893	5,776	6	255	..
	2019	16,100	5,287	4,683	5,821	6	303	..
	2020	17,191	5,239	5,225	6,353	6	368	..
Spain	2017	275,726	133,002	21,070	58,039	49,127	14,397	91
	2018	274,452	118,149	36,803	55,766	50,896	12,744	94
	2019	273,257	117,125	26,874	58,349	55,647	15,103	159
	2020	263,373	93,778	33,998	58,299	56,444	20,667	187
Sweden	2017	164,250	15,547	65,168	65,696	17,609	230	..
	2018	163,400	15,571	62,250	68,549	16,623	407	..
	2019	168,439	16,390	65,393	66,130	19,847	679	..
	2020	163,833	13,618	72,440	49,198	27,526	1,051	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	2,483	1,348	1,040	..	95
..	..	..	..	3,679	1,444	2,092	..	143
..	..	..	..	3,423	1,506	1,621	..	296
..	..	..	..	3,386	1,615	1,448	..	322
25,218	21,944	..	3,274	91,977	77,467	61	3,402	11,046
26,847	22,240	..	4,608	87,411	73,576	72	3,515	10,248
29,000	22,893	..	6,107	92,352	77,022	74	3,910	11,346
34,557	25,737	..	8,820	88,997	69,066	46	4,087	15,797
0	0	..	..	5,600	4,356	1,110	..	134
..	..	..	..	5,607	3,696	1,791	..	120
..	..	..	..	5,870	4,581	1,164	..	125
..	..	..	..	5,346	3,929	1,277	..	140
2,845	2,521	..	324	146,635	669	143,112	..	2,854
2,922	2,586	..	337	143,968	584	139,509	..	3,876
2,720	2,379	..	341	132,571	631	126,404	..	5,536
2,117	1,801	..	316	152,138	635	141,593	..	9,911
11,912	11,681	4	227	158,554	140,614	3,030	..	14,909
14,847	14,418	3	425	155,193	140,010	2,384	..	12,799
17,214	16,263	3	948	146,774	129,006	2,662	..	15,107
18,795	16,741	3	2,052	139,247	120,513	2,934	..	15,800
8,436	7,952	11	473	50,996	30,392	7,621	..	12,983
8,324	7,814	19	491	51,312	24,341	13,610	..	13,362
8,678	7,998	18	662	44,477	19,689	10,225	..	14,563
8,877	7,895	18	965	44,201	17,319	13,615	..	13,267
55	53	..	2	841	786	48	..	7
72	57	..	15	882	827	44	..	11
79	53	..	26	862	777	65	..	20
70	46	..	24	913	835	47	..	31
7,013	6,297	244	472	57,283	22,374	14,609	11,509	8,791
7,394	6,799	238	357	57,482	20,509	17,859	11,377	7,736
6,405	5,715	270	421	53,218	18,072	15,736	11,280	8,130
7,287	6,561	269	457	48,648	13,527	15,432	11,466	8,222
72,381	71,153	1,227	..	1,021,908	631,728	185,904	203,143	1,133
75,447	74,293	1,154	..	1,039,647	641,826	191,873	204,569	1,378
76,525	75,348	1,177	..	1,044,968	638,607	195,334	208,984	2,043
71,098	69,813	1,285	..	1,018,570	586,036	213,104	215,745	3,685
526	526	..	..	36,519	26,705	9,752	..	62
543	543	..	..	36,883	25,326	11,393	..	163
470	470	..	..	37,130	26,020	10,198	..	912
474	474	..	..	37,483	26,745	9,749	..	989
3,092	2,505	100	487	24,646	4,862	4,523	15,081	180
3,515	2,892	111	512	23,456	4,650	3,768	14,843	195
3,089	2,556	120	413	25,345	5,397	4,451	15,282	215
3,066	2,462	128	476	25,772	5,435	4,671	15,444	222
731	266	189	276	15,595	5,344	3,952	6,285	14
724	255	221	248	15,603	5,142	4,672	5,776	13
769	261	213	295	15,331	5,026	4,470	5,821	14
851	273	218	360	16,340	4,966	5,007	6,353	15
36,135	35,415	477	243	239,591	97,587	20,593	58,039	63,372
37,587	36,389	909	289	236,865	81,760	35,894	55,766	63,445
38,316	37,059	897	360	234,941	80,066	25,977	58,349	70,549
35,666	34,190	972	504	227,707	59,588	33,026	58,299	76,794
6,215	6,203	12	..	158,035	9,344	65,156	65,696	17,839
6,139	6,128	11	..	157,261	9,443	62,239	68,549	17,030
6,964	6,959	5	..	161,475	9,431	65,388	66,130	20,526
6,609	6,609	..	..	157,224	7,009	72,440	49,198	28,577

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Switzerland	2017	63,089	3,864	37,033	20,376	133	1,683	..
	2018	69,109	3,727	37,802	25,513	122	1,945	..
	2019	73,471	3,768	40,962	26,418	146	2,178	..
	2020	71,638	3,847	41,022	24,025	145	2,599	..
Ukraine	2017	156,037	58,173	10,520	85,576	984	739	45
	2018	159,833	61,104	12,007	84,398	1,188	1,099	37
	2019	154,141	58,201	7,855	83,003	2,020	2,933	129
	2020	146,993	55,258	7,487	76,203	1,932	5,969	144
United Kingdom	2017	337,884	197,692	8,754	70,336	49,641	11,457	4
	2018	333,162	190,572	7,942	65,064	56,908	12,668	9
	2019	323,846	183,670	7,603	56,184	63,795	12,580	14
	2020	311,259	164,286	8,156	50,278	75,369	13,158	11
Latin America & Carib.	2017	1,616,620	766,019	733,146	32,710	66,437	8,503	9,804
	2018	1,680,329	779,048	751,303	35,802	78,704	13,951	21,522
	2019	1,674,223	768,657	726,182	35,246	95,231	25,730	23,176
	2020	1,610,048	707,608	719,526	32,891	104,948	34,862	10,214
Anguilla	2017	82	80	..	..	..	2	..
	2018	83	81	..	..	..	2	..
	2019	100	97	..	..	..	3	..
	2020	90	88	..	..	..	*3	..
Antigua and Barbuda	2017	*353	*344	..	..	..	9	..
	2018	362	349	..	..	..	13	..
	2019	358	345	..	..	..	13	..
	2020	344	330	..	..	..	*13	..
Argentina	2017	145,618	97,257	41,645	6,088	612	16	..
	2018	152,224	102,820	41,430	6,453	1,413	108	..
	2019	145,990	95,389	36,878	7,927	4,996	800	..
	2020	144,924	99,199	24,262	10,707	9,412	1,345	..
Aruba	2017	*978	*835	..	..	*144	..	..
	2018	*991	*808	..	..	*175	*8	..
	2019	*997	*822	..	..	*165	*10	..
	2020	*1,001	*825	..	..	*165	*11	..
Bahamas	2017	*1,989	*1,987	..	..	..	2	..
	2018	*1,999	*1,997	..	..	..	2	..
	2019	*2,010	*2,007	..	..	..	3	..
	2020	*2,020	*2,017	..	..	..	*3	..
Barbados	2017	1,047	1,009	..	..	..	38	..
	2018	1,055	1,011	..	..	..	44	..
	2019	1,070	1,018	..	..	..	52	..
	2020	1,067	999	..	..	..	69	..
Belize	2017	406	135	271	..	..	0	..
	2018	416	166	250	..	..	1	..
	2019	305	230	75	..	..	1	..
	2020	434	191	242	..	..	1	..
Bolivia (Plur. State of)	2017	9,617	7,317	2,234	..	60	6	..
	2018	9,855	7,056	2,612	..	59	127	..
	2019	10,172	6,662	3,251	..	70	188	..
	2020	9,977	6,638	2,942	..	64	332	..
Bonaire, St Eustatius, Saba	2017	137	101	..	..	32	4	..
	2018	*137	*91	..	..	*37	8	..
	2019	*145	*104	..	..	*33	9	..
	2020	145	112	..	..	25	8	..
Brazil	2017	589,326	159,476	370,906	15,739	42,373	832	..
	2018	601,396	144,815	388,971	15,674	48,475	3,461	..
	2019	626,329	149,682	397,877	16,129	55,986	6,655	..
	2020	621,198	143,017	396,328	14,053	57,050	10,750	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
7,497	3,202	2,612	1,683	55,592	662	34,421	20,376	133
7,963	3,131	2,888	1,945	61,145	596	34,915	25,513	122
8,213	3,152	2,883	2,178	65,258	616	38,079	26,418	146
8,634	3,181	2,854	2,599	63,004	666	38,168	24,025	145
3,976	3,899	4	73	152,061	54,274	10,516	85,576	1,695
2,658	2,611	2	45	157,175	58,493	12,005	84,398	2,279
2,262	2,124	..	138	151,880	56,077	7,855	83,003	4,944
3,328	3,161	..	167	143,665	52,097	7,487	76,203	7,878
55,145	36,271	1,703	17,170	282,740	161,420	7,051	70,336	43,932
58,116	38,341	1,643	18,131	275,047	152,230	6,299	65,064	51,454
62,081	42,970	1,656	17,455	261,765	140,700	5,946	56,184	58,934
63,069	43,118	1,756	18,194	248,190	121,168	6,400	50,278	70,344
213,482	180,562	22,568	10,352	1,403,138	585,457	710,579	32,710	74,392
220,052	184,130	23,738	12,184	1,460,278	594,918	727,565	35,802	101,993
220,880	181,573	23,868	15,438	1,453,343	587,084	702,314	35,246	128,699
226,107	185,628	21,954	18,526	1,383,941	521,980	697,572	32,891	131,498
..	..	..	..	82	80	..	..	2
..	..	..	..	83	81	..	..	2
..	..	..	..	100	97	..	..	3
..	..	..	..	90	88	..	..	*3
*1	*1	..	..	*352	*343	..	..	9
*1	*1	..	..	361	348	..	..	13
*1	*1	..	..	357	344	..	..	13
*1	*1	..	..	343	329	..	..	*13
14,744	14,698	46	..	130,874	82,559	41,599	6,088	628
14,744	14,698	46	..	137,480	88,122	41,384	6,453	1,521
14,744	14,698	46	..	131,246	80,691	36,832	7,927	5,796
13,785	13,743	42	..	131,139	85,456	24,220	10,707	10,757
..	..	..	..	*978	*835	..	..	*144
..	..	..	..	*991	*808	..	..	*183
..	..	..	..	*997	*822	..	..	*175
..	..	..	..	*1,001	*825	..	..	*176
*75	*75	..	..	*1,914	*1,912	..	..	2
*80	*80	..	..	*1,919	*1,917	..	..	2
*92	*92	..	..	*1,918	*1,915	..	..	3
*98	*98	..	..	*1,922	*1,919	..	..	*3
17	17	..	..	1,030	992	..	..	38
17	17	..	..	1,038	994	..	..	44
18	18	..	..	1,053	1,001	..	..	52
17	17	..	..	1,051	982	..	..	69
82	82	..	..	323	53	271	..	0
94	94	..	..	322	72	250	..	1
92	92	..	..	213	137	75	..	1
74	74	..	..	360	117	242	..	1
352	348	4	..	9,265	6,969	2,230	..	66
362	356	7	..	9,493	6,701	2,606	..	186
435	429	7	..	9,737	6,234	3,245	..	258
432	429	3	..	9,545	6,209	2,939	..	397
..	..	..	..	137	101	..	..	35
..	..	..	..	*137	*91	..	..	*45
..	..	..	..	*145	*104	..	..	*41
..	..	..	..	145	112	..	..	33
98,179	79,383	18,593	203	491,147	80,093	352,313	15,739	43,002
101,164	81,273	19,330	561	500,232	63,542	369,641	15,674	51,375
102,385	81,249	19,427	1,709	523,944	68,433	378,450	16,129	60,932
106,451	83,876	17,745	4,830	514,747	59,141	378,583	14,053	62,970

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
British Virgin Islands	2017	173	172	..	..	*1	0	..
	2018	160	159	..	..	*1	0	..
	2019	*161	*160	..	..	*1	0	..
	2020	*162	*160	..	..	*1	0	..
Cayman Islands	2017	671	671	..	..	..	..	..
	2018	658	658	..	..	..	..	..
	2019	696	696	..	..	..	..	..
	2020	668	668	..	..	..	..	..
Chile	2017	79,443	50,628	21,315	..	3,521	3,915	64
	2018	82,339	49,952	23,367	..	3,588	5,218	214
	2019	84,558	50,564	22,477	..	4,897	6,419	202
	2020	83,994	48,331	21,873	..	5,602	7,971	216
Colombia	2017	75,125	17,641	57,476	..	3	5	..
	2018	78,426	21,563	56,809	..	43	11	..
	2019	80,415	25,622	54,594	..	63	137	..
	2020	79,550	29,361	49,977	..	10	201	..
Costa Rica	2017	11,359	237	8,677	..	1,288	40	1,118
	2018	11,528	358	8,343	..	1,799	60	969
	2019	11,508	295	7,827	..	1,796	77	1,513
	2020	11,743	225	8,294	..	1,459	76	1,689
Cuba	2017	20,558	20,394	83	..	*21	*60	..
	2018	20,837	20,524	146	..	*44	*124	..
	2019	21,078	20,703	125	..	*65	*186	..
	2020	19,428	19,055	112	..	*68	*193	..
Curaçao	2017	891	702	..	..	169	20	..
	2018	866	612	..	..	234	20	..
	2019	879	651	..	..	208	20	..
	2020	839	626	..	..	191	22	..
Dominica	2017	131	103	27	..	1	0	..
	2018	110	*85	24	..	1	0	..
	2019	138	117	20	..	*1	0	..
	2020	142	122	19	..	*1	0	..
Dominican Republic	2017	19,036	16,309	2,196	..	390	140	..
	2018	19,651	17,144	1,780	..	497	230	..
	2019	19,857	18,121	928	..	552	256	..
	2020	16,629	13,880	1,176	..	1,139	434	..
Ecuador	2017	28,033	7,833	20,089	..	73	37	..
	2018	29,244	8,447	20,678	..	80	38	..
	2019	32,284	7,520	24,641	..	86	38	..
	2020	31,248	6,800	24,333	..	77	38	..
El Salvador	2017	5,494	2,083	1,704	..	..	137	1,569
	2018	5,359	1,937	1,631	..	..	246	1,545
	2019	6,070	2,582	1,526	..	..	489	1,474
	2020	6,350	1,790	2,084	..	14	904	1,557
Falkland Is. (Malvinas)	2017	18	12	..	..	5	0	..
	2018	17	12	..	..	5	0	..
	2019	18	12	..	..	5	0	..
	2020	18	13	..	..	5	0	..
Grenada	2017	230	227	..	..	..	3	..
	2018	234	231	..	..	..	3	..
	2019	243	239	..	..	..	3	..
	2020	226	223	..	..	..	4	..
Guatemala	2017	12,272	5,816	5,787	..	218	198	253
	2018	13,568	7,572	5,218	..	320	208	250
	2019	*14,083	*8,855	4,497	..	221	199	312
	2020	12,803	*5,971	5,966	..	317	222	326

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	173	172	..	..	*1
..	..	..	..	160	159	..	..	*1
..	..	..	..	*161	*160	..	..	*1
..	..	..	..	*162	*160	..	..	*2
..	..	..	..	671	671	..	..	..
..	..	..	..	658	658	..	..	..
..	..	..	..	696	696	..	..	..
..	..	..	..	668	668	..	..	..
7,384	7,338	44	2	72,059	43,290	21,271	..	7,497
6,975	6,910	60	5	75,364	43,043	23,307	..	9,015
6,525	6,488	30	8	78,033	44,076	22,447	..	11,510
6,625	6,548	58	19	77,369	41,783	21,816	..	13,770
8,568	8,420	148	..	66,557	9,221	57,328	..	8
9,483	9,322	161	..	68,943	12,241	56,648	..	54
11,039	10,872	157	10	69,377	14,749	54,437	..	191
11,008	10,858	140	10	68,541	18,503	49,837	..	201
237	200	..	37	11,123	37	8,677	..	2,408
250	200	..	50	11,279	159	8,343	..	2,777
267	200	..	67	11,241	96	7,827	..	3,319
268	201	..	67	11,476	24	8,294	..	3,158
963	963	..	..	19,595	19,431	83	..	*81
763	763	..	..	20,074	19,761	146	..	*168
842	842	..	..	20,236	19,861	125	..	*251
898	898	..	..	18,530	18,157	112	..	*261
74	74	..	..	817	628	..	..	189
114	114	..	..	752	498	..	..	254
43	43	..	..	836	608	..	..	228
24	24	..	..	815	601	..	..	214
*44	*44	..	..	87	58	27	..	1
*44	*44	..	..	66	41	24	..	1
*44	*44	..	..	94	73	20	..	*1
*44	*44	..	..	98	78	19	..	*1
1,919	1,821	6	92	17,117	14,489	2,190	..	438
2,011	1,856	7	148	17,640	15,288	1,773	..	580
3,512	3,348	..	164	16,345	14,774	928	..	643
2,173	1,894	..	279	14,456	11,985	1,176	..	1,294
5,027	3,956	1,071	..	23,006	3,878	19,017	..	111
5,494	4,129	1,365	..	23,750	4,318	19,313	..	118
5,914	4,254	1,660	..	26,369	3,266	22,980	..	123
5,636	4,049	1,587	..	25,612	2,751	22,747	..	115
168	40	85	43	5,326	2,043	1,619	..	1,664
227	27	83	117	5,132	1,910	1,548	..	1,675
382	29	81	273	5,688	2,553	1,445	..	1,690
527	27	94	406	5,822	1,763	1,990	..	2,069
..	..	..	..	18	12	..	..	5
..	..	..	..	17	12	..	..	6
..	..	..	..	18	12	..	..	5
..	..	..	..	18	13	..	..	5
2	2	..	..	228	225	..	..	3
3	3	..	..	231	228	..	..	3
3	3	..	..	239	236	..	..	3
3	3	..	..	223	220	..	..	4
783	761	22	..	11,490	5,055	5,765	..	669
1,046	1,018	27	..	12,522	6,554	5,191	..	778
1,335	1,308	27	..	*12,748	*7,547	4,470	..	732
564	532	32	..	12,238	*5,439	5,934	..	865

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Guyana	2017	1,105	1,098	..	..	0	7	..
	2018	1,136	1,125	..	..	0	11	..
	2019	1,135	1,123	..	..	0	11	..
	2020	1,136	1,124	..	..	0	12	..
Haiti	2017	1,058	928	127	..	..	3	..
	2018	1,048	848	197	..	..	3	..
	2019	1,064	887	174	..	..	3	..
	2020	1,029	919	106	..	..	3	..
Honduras	2017	9,385	4,820	2,971	..	578	924	93
	2018	9,629	4,253	3,158	..	929	993	297
	2019	10,586	5,866	2,430	..	818	1,176	296
	2020	10,059	5,232	2,701	..	707	1,113	307
Jamaica	2017	4,360	3,873	154	..	289	44	..
	2018	4,402	3,875	179	..	302	46	..
	2019	4,425	3,948	157	..	274	47	..
	2020	4,844	4,399	133	..	275	36	..
Mexico	2017	322,062	261,725	31,981	10,883	10,442	1,085	5,945
	2018	357,593	279,725	32,526	13,675	12,877	1,363	17,427
	2019	344,176	266,753	23,716	11,190	16,880	7,057	18,580
	2020	314,549	245,464	26,817	8,131	19,702	9,115	5,320
Montserrat	2017	13	13	..	..	..	..	..
	2018	14	14	..	..	..	..	..
	2019	14	14	..	..	..	0	..
	2020	14	14	..	..	..	0	..
Nicaragua	2017	4,525	2,657	468	..	635	14	751
	2018	4,636	2,599	411	..	801	24	801
	2019	4,576	2,815	227	..	730	26	778
	2020	3,791	1,873	574	..	550	26	767
Panama	2017	11,054	3,141	7,256	..	491	156	9
	2018	11,353	2,657	7,858	..	588	233	18
	2019	11,663	5,527	5,096	..	725	295	20
	2020	10,970	2,685	7,353	..	584	318	30
Paraguay	2017	59,685	2	59,684	..	..	..	..
	2018	59,212	2	59,211	..	..	..	..
	2019	49,448	2	49,446	..	..	..	..
	2020	46,373	2	46,371	..	..	..	..
Peru	2017	52,743	22,265	29,075	..	1,073	330	..
	2018	54,982	21,946	30,737	..	1,502	797	..
	2019	57,038	23,088	31,462	..	1,655	833	..
	2020	52,803	19,624	30,510	..	1,814	856	..
Puerto Rico	2017	16,371	16,013	51	..	149	159	..
	2018	17,453	17,226	38	..	108	81	..
	2019	18,886	18,444	41	..	159	242	..
	2020	18,774	18,321	51	..	143	259	..
Sint Maarten (Dutch part)	2017	*300	*300	..	..	..	..	..
	2018	*291	*291	..	..	..	..	..
	2019	*296	*296	..	..	..	..	..
	2020	265	265	..	..	..	..	..
St. Kitts-Nevis	2017	229	221	..	..	5	3	..
	2018	*230	*221	..	..	6	3	..
	2019	*232	*224	..	..	6	3	..
	2020	*219	*210	..	..	6	3	..
St. Lucia	2017	400	400	..	..	..	..	..
	2018	404	399	..	..	..	5	..
	2019	415	408	..	..	..	7	..
	2020	378	372	..	..	..	7	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
82	82	..	..	1,022	1,015	..	..	7
82	82	..	..	1,054	1,043	..	..	11
30	30	..	..	1,105	1,094	..	..	11
24	24	..	..	1,112	1,100	..	..	12
23	23	..	..	1,035	905	127	..	3
21	21	..	..	1,027	827	197	..	3
22	22	..	..	1,042	865	174	..	3
21	21	..	..	1,008	898	106	..	3
1,511	1,511	..	..	7,875	3,309	2,971	..	1,595
1,647	1,647	..	..	7,982	2,606	3,158	..	2,219
1,991	1,931	0	60	8,595	3,935	2,430	..	2,230
1,744	1,675	0	69	8,315	3,556	2,701	..	2,058
1,827	1,494	..	333	2,533	2,379	154	..	..
1,841	1,493	..	348	2,561	2,382	179	..	..
1,508	1,187	..	321	2,917	2,761	157	..	..
*872	*560	..	312	3,972	3,839	133	..	..
62,984	52,566	942	9,477	259,077	209,160	31,040	10,883	7,995
64,651	52,967	905	10,779	292,942	226,758	31,621	13,675	20,888
59,882	46,466	789	12,627	284,294	220,287	22,927	11,190	29,890
66,737	53,611	808	12,318	247,812	191,853	26,009	8,131	21,819
..	..	..	..	13	13	..	..	..
..	..	..	..	14	14	..	..	..
..	..	..	..	14	14	..	..	0
..	..	..	..	14	14	..	..	0
711	711	0	..	3,814	1,946	468	..	1,400
735	735	0	..	3,901	1,864	411	..	1,626
889	888	..	1	3,686	1,927	227	..	1,533
778	775	..	3	3,013	1,098	574	..	1,340
32	32	..	..	11,022	3,109	7,256	..	657
161	161	..	..	11,192	2,496	7,858	..	838
1,167	1,167	..	..	10,495	4,359	5,096	..	1,040
924	767	156	1	10,046	1,918	7,197	..	931
..	..	..	..	59,685	2	59,684	..	..
..	..	..	..	59,212	2	59,211	..	..
..	..	..	..	49,448	2	49,446	..	..
..	..	..	..	46,373	2	46,371	..	..
2,398	1,674	682	43	50,345	20,591	28,393	..	1,361
2,615	1,821	748	46	52,368	20,125	29,989	..	2,253
2,574	1,827	693	54	54,464	21,261	30,769	..	2,434
2,130	1,454	615	61	50,673	18,169	29,895	..	2,608
210	210	..	..	16,161	15,803	51	..	308
220	220	..	..	17,233	17,006	38	..	189
*230	*230	..	..	18,656	18,214	41	..	401
*232	*232	..	..	18,542	18,089	51	..	402
..	..	..	..	*300	*300	..	..	..
..	..	..	..	*291	*291	..	..	..
..	..	..	..	*296	*296	..	..	..
..	..	..	..	265	265	..	..	..
*1	*1	..	..	228	220	..	..	8
*1	*1	..	..	*229	*220	..	..	9
*1	*1	..	..	*231	*223	..	..	9
*1	*1	..	..	*218	*209	..	..	9
..	..	..	..	400	400	..	..	..
..	..	..	..	404	399	..	..	5
..	..	..	..	415	408	..	..	7
..	..	..	..	378	372	..	..	7

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
St. Vincent-Grenadines	2017	151	129	20	..	..	1	..
	2018	151	125	24	..	..	2	..
	2019	154	130	22	..	..	3	..
	2020	154	129	22	..	..	3	..
Suriname	2017	1,805	871	926	..	..	9	..
	2018	1,792	782	1,000	..	..	10	..
	2019	1,868	906	952	..	..	10	..
	2020	1,727	1,043	674	..	..	*10	..
Trinidad and Tobago	2017	9,323	9,318	..	..	0	6	..
	2018	9,225	9,220	..	..	0	5	..
	2019	9,188	9,183	..	..	0	5	..
	2020	9,225	9,220	..	..	0	5	..
Turks and Caicos Islands	2017	*293	*293	..	..	..	0	..
	2018	*258	*257	..	..	..	1	..
	2019	*261	*260	..	..	..	1	..
	2020	*256	*255	..	..	..	*1	..
United States Virgin Is.	2017	*611	*589	..	..	0	*21	..
	2018	*626	*605	..	..	0	*21	..
	2019	*672	*647	..	..	0	*24	..
	2020	*660	*635	..	..	0	*25	..
Uruguay	2017	14,363	2,802	7,518	..	3,775	269	..
	2018	14,623	2,921	6,557	..	4,732	414	..
	2019	16,090	2,806	8,108	..	4,752	424	..
	2020	13,557	3,526	4,094	..	5,476	462	..
Venezuela (Bolivar. Rep.)	2017	103,796	43,193	60,507	..	88	7	*1
	2018	99,757	41,511	58,150	..	88	6	*1
	2019	82,571	32,837	49,637	..	88	9	*1
	2020	74,265	11,656	62,510	..	88	9	*1
Northern America	2017	4,950,992	2,902,656	720,162	940,160	288,760	74,873	24,381
	2018	5,115,013	3,047,025	703,379	942,060	308,976	89,293	24,279
	2019	5,045,638	2,951,846	692,812	944,527	330,948	101,895	23,609
	2020	4,913,140	2,770,904	695,250	921,345	377,456	124,177	24,008
Bermuda	2017	676	675	..	..	..	*1	..
	2018	644	642	..	..	..	*2	..
	2019	613	611	..	..	..	*2	..
	2020	*590	*588	..	..	..	*2	..
Canada	2017	663,320	131,748	394,659	101,299	31,511	3,892	211
	2018	658,332	134,152	385,967	100,731	33,142	4,107	233
	2019	652,675	132,301	381,843	101,197	32,748	4,415	171
	2020	651,896	126,288	386,617	98,195	35,638	4,846	312
Greenland	2017	518	130	388	..	..	..	..
	2018	547	*139	408	..	..	..	..
	2019	537	*139	398	..	..	..	..
	2020	559	*139	420	..	..	..	..
St. Pierre-Miquelon	2017	49	49	..	..	..	..	..
	2018	51	51	..	..	..	..	..
	2019	52	52	..	..	..	..	..
	2020	51	51	..	..	..	..	..
United States	2017	4,286,429	2,770,054	325,114	838,861	257,249	70,980	24,170
	2018	4,455,439	2,912,041	317,004	841,329	275,834	85,184	24,046
	2019	4,391,761	2,818,743	310,571	843,330	298,200	97,478	23,438
	2020	4,260,044	2,643,838	308,213	823,150	341,818	119,329	23,696
Oceania	2017	315,279	239,947	43,540	..	14,741	8,335	8,716
	2018	318,605	238,195	44,203	..	17,286	10,253	8,668
	2019	322,068	234,301	43,722	..	20,036	15,278	8,732
	2020	322,058	227,447	41,567	..	22,760	21,538	8,746

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
1	..	..	1	150	129	20	..	1
1	..	..	1	150	125	24	..	1
1	..	..	1	153	130	22	..	2
1	..	..	1	152	129	22	..	1
1,352	426	926	..	453	444	..	..	9
1,440	440	1,000	..	352	342	..	..	10
1,471	519	952	..	397	387	..	..	10
1,246	572	674	..	481	471	..	..	*10
82	82	..	..	9,241	9,236	..	..	6
76	76	..	..	9,149	9,144	..	..	5
76	76	..	..	9,112	9,108	..	..	5
76	76	..	..	9,149	9,144	..	..	5
..	..	..	..	*293	*293	..	..	0
..	..	..	..	*258	*257	..	..	1
..	..	..	..	*261	*260	..	..	1
..	..	..	..	*256	*255	..	..	*1
*14	..	..	*14	*597	*589	..	..	8
*14	..	..	*14	*612	*605	..	..	8
*17	..	..	*17	*655	*647	..	..	8
*17	..	..	*17	*643	*635	..	..	*8
1,650	1,635	..	15	12,713	1,167	7,518	..	4,028
1,767	1,744	..	23	12,857	1,177	6,557	..	5,123
1,702	1,668	..	34	14,388	1,138	8,108	..	5,142
1,733	1,693	..	40	11,825	1,833	4,094	..	5,898
1,985	1,892	..	93	101,811	41,301	60,507	..	3
1,911	1,818	..	92	97,846	39,692	58,150	..	3
1,644	1,552	..	92	80,927	31,285	49,637	..	6
942	849	..	92	73,323	10,807	62,510	..	6
249,336	193,233	31,795	24,309	4,701,655	2,709,423	688,367	940,160	363,705
255,679	196,698	30,970	28,011	4,859,334	2,850,328	672,409	942,060	394,538
260,701	198,203	30,115	32,384	4,784,937	2,753,644	662,698	944,527	424,068
261,226	194,647	29,010	37,570	4,651,914	2,576,257	666,240	921,345	488,071
*14	*13	..	*1	662	662	..	..	..
*15	*13	..	*2	629	629	..	..	..
*15	*13	..	*2	598	598	..	..	..
*15	*13	..	*2	*575	*575	..	..	..
63,382	31,272	30,139	1,971	599,938	100,476	364,520	101,299	33,643
62,393	30,706	29,553	2,134	595,939	103,446	356,414	100,731	35,348
61,189	29,941	28,876	2,372	591,486	102,360	352,967	101,197	34,962
61,133	30,718	27,778	2,637	590,763	95,570	358,839	98,195	38,159
..	..	..	..	518	130	388	..	..
..	..	..	..	547	*139	408	..	..
..	..	..	..	537	*139	398	..	..
..	..	..	..	559	*139	420	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	51	51	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	51	51	..	..	..
185,940	161,948	1,656	22,337	4,100,488	2,608,106	323,458	838,861	330,062
193,271	165,979	1,417	25,875	4,262,168	2,746,063	315,587	841,329	359,190
199,497	168,249	1,239	30,010	4,192,264	2,650,495	309,332	843,330	389,106
200,078	163,916	1,232	34,931	4,059,965	2,479,922	306,981	823,150	449,912
33,841	25,434	355	8,052	281,438	214,513	43,185	..	23,740
36,794	26,944	213	9,637	281,811	211,251	43,990	..	26,569
41,730	28,549	213	12,968	280,339	205,752	43,509	..	31,077
44,187	29,010	204	14,973	277,870	198,437	41,363	..	38,070

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	2017	167	162	..	..	..	5	..
	2018	*168	*163	..	..	..	5	..
	2019	*169	*164	..	..	..	*5	..
	2020	*171	*166	..	..	..	*5	..
Australia	2017	258,019	221,065	16,285	..	12,597	8,071	1
	2018	260,998	219,884	16,021	..	15,164	9,929	0
	2019	264,025	215,498	15,967	..	17,712	14,848	..
	2020	265,178	208,599	15,150	..	20,396	21,033	..
Cook Islands	2017	38	31	..	..	..	7	..
	2018	47	31	..	..	..	16	..
	2019	44	29	..	..	..	15	..
	2020	40	25	..	..	..	*15	..
Fiji	2017	1,017	514	491	..	2	9	..
	2018	1,045	464	567	..	3	12	..
	2019	1,074	498	559	..	3	13	..
	2020	989	417	558	..	1	*13	..
French Polynesia	2017	681	470	175	..	0	36	..
	2018	676	475	164	..	0	37	..
	2019	693	494	159	..	0	40	..
	2020	665	464	159	..	0	42	..
Guam	2017	1,760	1,708	..	..	*1	52	..
	2018	1,715	1,663	..	..	*1	52	..
	2019	1,724	1,672	..	..	*1	52	..
	2020	1,683	1,631	..	..	*1	52	..
Kiribati	2017	*31	*26	..	..	..	5	..
	2018	*32	*27	..	..	..	5	..
	2019	*32	*27	..	..	..	5	..
	2020	*31	*26	..	..	..	*5	..
Marshall Islands	2017	*87	*85	..	..	..	2	..
	2018	*85	*83	..	..	..	2	..
	2019	82	80	..	..	..	2	..
	2020	*82	*80	..	..	..	2	..
Micronesia (Fed. States of)	2017	*69	*65	1	..	..	2	..
	2018	*70	*65	1	..	*1	3	..
	2019	*70	*65	1	..	*1	3	..
	2020	*70	*65	*1	..	*1	*3	..
Nauru	2017	35	34	..	..	..	1	..
	2018	36	35	..	..	..	1	..
	2019	36	35	..	..	..	1	..
	2020	38	36	..	..	..	2	..
New Caledonia	2017	3,228	2,794	361	..	45	28	..
	2018	3,486	3,077	317	..	45	47	..
	2019	3,334	2,876	285	..	57	116	..
	2020	3,233	2,729	305	..	49	151	..
New Zealand	2017	44,641	9,004	25,173	..	2,091	77	8,296
	2018	44,695	8,029	26,252	..	2,068	100	8,246
	2019	45,147	8,858	25,596	..	2,255	128	8,310
	2020	44,543	9,467	24,266	..	2,305	160	8,346
Niue	2017	*3	*3	..	..	..	0	..
	2018	*4	*3	..	..	..	0	..
	2019	*4	*3	..	..	..	0	..
	2020	*4	*3	..	..	..	0	..
Northern Mariana Islands	2017	*380	*380	..	..	..	..	..
	2018	*390	*390	..	..	..	..	..
	2019	*392	*392	..	..	..	..	..
	2020	*293	*290	..	..	..	*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
..	..	..	..	167	162	..	..	5
..	..	..	..	*168	*163	..	..	5
..	..	..	..	*169	*164	..	..	*5
..	..	..	..	*171	*166	..	..	*5
28,941	21,507	..	7,434	229,078	199,558	16,285	..	13,235
31,974	22,969	..	9,005	229,024	196,915	16,021	..	16,088
36,981	24,671	..	12,310	227,044	190,827	15,967	..	20,250
39,762	25,450	..	14,312	225,417	183,150	15,150	..	27,117
..	..	..	..	38	31	..	..	7
..	..	..	..	47	31	..	..	16
..	..	..	..	44	29	..	..	15
..	..	..	..	40	25	..	..	*15
23	23	..	..	994	491	491	..	11
40	40	..	..	1,005	424	567	..	15
49	49	..	..	1,025	450	559	..	16
67	67	..	..	922	350	558	..	*14
..	..	..	..	681	470	175	..	36
..	..	..	..	676	475	164	..	37
..	..	..	..	693	494	159	..	40
..	..	..	..	665	464	159	..	42
..	..	..	..	1,760	1,708	..	..	52
..	..	..	..	1,715	1,663	..	..	52
..	..	..	..	1,724	1,672	..	..	52
..	..	..	..	1,683	1,631	..	..	52
*2	*2	..	..	*29	*24	..	..	5
*2	*2	..	..	*29	*24	..	..	5
*2	*2	..	..	*30	*25	..	..	5
*2	*2	..	..	*29	*24	..	..	*5
..	..	..	..	*87	*85	..	..	2
..	..	..	..	*85	*83	..	..	2
..	..	..	..	82	80	..	..	2
..	..	..	..	*82	*80	..	..	2
..	..	..	..	*69	*65	1	..	2
..	..	..	..	*70	*65	1	..	4
..	..	..	..	*70	*65	1	..	4
..	..	..	..	*70	*65	*1	..	*4
..	..	..	..	35	34	..	..	1
..	..	..	..	36	35	..	..	1
..	..	..	..	36	35	..	..	1
..	..	..	..	38	36	..	..	2
..	..	..	..	3,228	2,794	361	..	73
..	..	..	..	3,486	3,077	317	..	92
..	..	..	..	3,334	2,876	285	..	173
..	..	..	..	3,233	2,729	305	..	199
1,558	1,356	4	198	43,083	7,648	25,169	..	10,266
1,512	1,298	4	210	43,183	6,731	26,248	..	10,204
1,636	1,397	4	236	43,511	7,462	25,592	..	10,457
1,562	1,297	4	261	42,981	8,170	24,262	..	10,549
..	..	..	..	*3	*3	..	..	0
..	..	..	..	*4	*3	..	..	0
..	..	..	..	*4	*3	..	..	0
..	..	..	..	*4	*3	..	..	0
..	..	..	..	*380	*380	..	..	..
..	..	..	..	*390	*390	..	..	..
..	..	..	..	*392	*392	..	..	..
..	..	..	..	*293	*290	..	..	*3

Table 32

Production of electricity - by type

Gigawatt-hours

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Palau	2017	*98	*94	..	..	..	*4	..
	2018	*96	*92	..	..	..	*4	..
	2019	97	91	..	..	..	*6	..
	2020	*98	*92	..	..	..	*6	..
Papua New Guinea	2017	4,595	3,155	1,018	..	..	2	420
	2018	4,629	3,375	830	..	..	2	422
	2019	4,686	3,167	1,095	..	..	2	422
	2020	4,476	2,997	1,077	..	..	2	400
Samoa	2017	154	108	26	..	0	20	..
	2018	154	90	43	..	0	21	..
	2019	169	96	50	..	0	24	..
	2020	173	107	41	..	0	24	..
Solomon Islands	2017	103	99	1	..	..	3	..
	2018	104	100	1	..	..	3	..
	2019	107	103	1	..	..	3	..
	2020	107	102	*1	..	..	*3	..
Tonga	2017	67	61	..	..	0	5	..
	2018	66	62	..	..	0	4	..
	2019	71	64	..	..	0	6	..
	2020	73	64	..	..	3	7	..
Tuvalu	2017	8	6	..	..	..	2	..
	2018	*8	*6	..	..	..	2	..
	2019	*9	*7	..	..	..	2	..
	2020	*9	*7	..	..	..	*2	..
Vanuatu	2017	80	63	7	..	5	4	..
	2018	81	63	8	..	4	6	..
	2019	84	63	8	..	6	7	..
	2020	78	57	8	..	6	*7	..
Wallis and Futuna Is.	2017	*20	*19	0	..	..	0	..
	2018	*20	*20	0	..	..	0	..
	2019	*21	*20	0	..	..	0	..
	2020	*23	*23	0	..	..	0	..

Table 32

Production of electricity - by type

Gigawatt-hours

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
*8	*8	..	..	*90	*86	..	..	*4
*10	*10	..	..	*86	*82	..	..	*4
*12	*12	..	..	85	79	..	..	*6
*12	*12	..	..	*86	*80	..	..	*6
3,304	2,533	351	420	1,291	622	667	..	2
3,253	2,622	209	422	1,376	753	621	..	2
3,046	2,415	209	422	1,640	752	886	..	2
2,779	2,179	200	400	1,697	818	877	..	2
0	..	..	0	154	108	26	..	20
0	..	..	0	154	90	43	..	21
0	..	..	0	169	96	50	..	24
0	..	..	0	172	107	41	..	24
4	4	..	..	99	95	1	..	3
3	3	..	..	101	97	1	..	3
3	3	..	..	104	99	1	..	3
*3	*3	..	..	103	99	*1	..	*3
..	..	..	..	67	61	..	..	5
..	..	..	..	66	62	..	..	4
..	..	..	..	71	64	..	..	6
..	..	..	..	73	64	..	..	9
..	..	..	..	8	6	..	..	2
..	..	..	..	*8	*6	..	..	2
..	..	..	..	*9	*7	..	..	2
..	..	..	..	*9	*7	..	..	*2
..	..	..	..	80	63	7	..	9
..	..	..	..	81	63	8	..	11
..	..	..	..	84	63	8	..	13
..	..	..	..	78	57	8	..	*13
..	..	..	..	*20	*19	0	..	0
..	..	..	..	*20	*20	0	..	0
..	..	..	..	*21	*20	0	..	0
..	..	..	..	*23	*23	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, 1990-2020

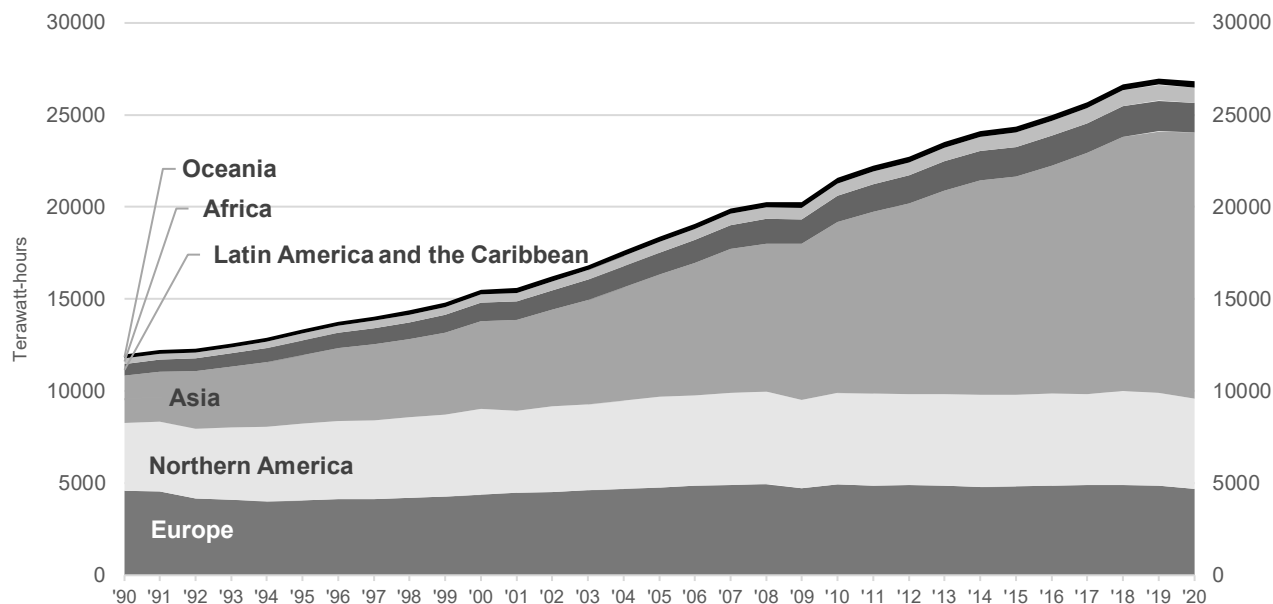


Figure 82: Major electricity producing countries, 2020

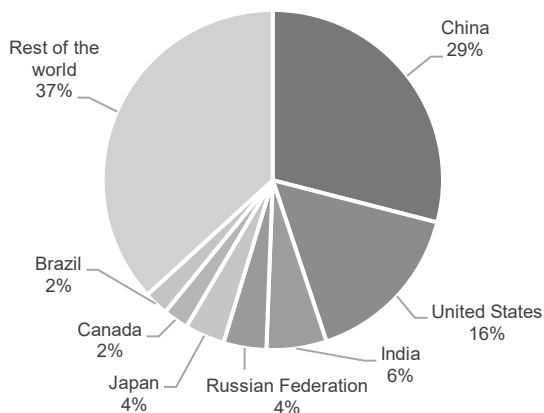


Figure 83: Major electricity consuming countries, 2020

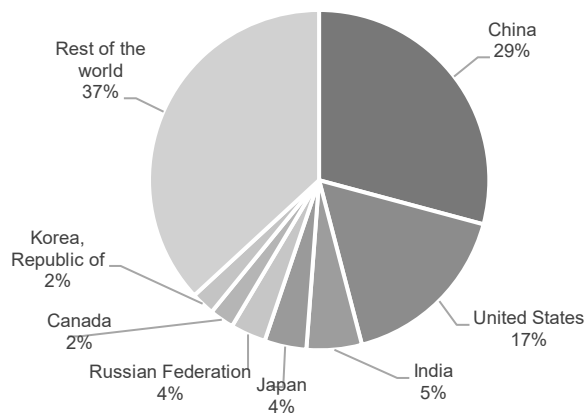


Table 33

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	2017	25,678,362	740,667	735,632	25,683,397	3,379	4,282,094	21,423,943
	2018	26,642,361	736,856	722,848	26,656,369	3,469	4,383,169	22,243,132
	2019	26,964,328	746,863	721,383	26,989,809	3,476	4,429,204	22,605,426
	2020	26,815,938	758,500	742,223	26,832,215	3,422	4,323,138	22,514,073
Africa	2017	827,967	39,646	31,829	835,785	662	180,857	652,153
	2018	852,683	37,804	31,580	858,906	664	175,174	687,703
	2019	861,532	34,007	34,964	860,576	649	181,084	671,057
	2020	848,027	37,393	37,070	848,350	624	180,855	673,789
Algeria	2017	76,018	537	880	75,675	1,840	19,299	56,376
	2018	76,662	506	597	76,571	1,826	18,417	58,153
	2019	81,533	531	673	81,391	1,906	19,208	62,184
	2020	79,155	513	574	79,094	1,820	18,706	60,388
Angola	2017	10,737	..	..	10,737	355	1,490	9,247
	2018	12,869	..	..	12,869	411	1,793	11,076
	2019	15,474	..	..	15,474	478	2,141	13,333
	2020	16,400	..	..	16,400	491	*2,250	*14,132
Benin	2017	331	1,111	..	1,442	124	297	1,139
	2018	202	1,293	..	1,495	125	295	1,183
	2019	529	1,093	2	1,620	132	363	1,256
	2020	989	646	2	1,633	129	346	1,270
Botswana	2017	3,022	1,288	..	4,310	1,794	1,016	3,280
	2018	3,105	1,189	..	4,294	1,752	785	3,209
	2019	2,508	1,746	..	4,254	1,702	935	3,208
	2020	2,182	1,838	..	4,020	1,579	845	3,288
Burkina Faso	2017	1,095	645	..	1,741	88	*289	*1,452
	2018	1,021	837	..	1,858	91	*274	*1,568
	2019	752	1,087	..	1,840	88	*202	*1,686
	2020	698	1,488	..	2,186	102	*283	*1,761
Burundi	2017	189	*94	..	283	25	*64	*225
	2018	246	*100	..	346	30	*70	*276
	2019	269	*100	..	369	31	*73	*296
	2020	276	*89	..	365	30	*71	*294
Cabo Verde	2017	426	..	..	426	753	123	*303
	2018	431	..	..	431	754	122	*309
	2019	444	..	..	444	770	121	*323
	2020	420	..	..	420	721	121	*299
Cameroon	2017	8,082	60	..	8,142	334	2,026	6,182
	2018	8,581	49	..	8,630	344	2,056	6,564
	2019	8,476	53	..	8,529	331	2,111	6,484
	2020	9,009	58	..	9,067	342	2,244	6,891
Central African Rep.	2017	145	..	..	145	29	*10	*135
	2018	147	..	..	147	29	*10	*137
	2019	149	..	..	149	29	*10	*139
	2020	*150	..	..	*150	*28	*10	*140
Chad	2017	308	..	..	308	20	*62	*242
	2018	312	..	..	312	20	*64	*245
	2019	317	..	..	317	20	*66	*249
	2020	335	..	..	335	20	*82	*253
Comoros	2017	*91	..	..	*91	*119	*33	*58
	2018	*98	..	..	*98	*127	*25	*74
	2019	*108	..	..	*108	*137	*27	*81
	2020	*130	..	..	*130	*161	*33	*98

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	2017	2,965	22	22	2,964	558	1,655	1,555
	2018	3,096	28	26	3,098	569	1,730	1,530
	2019	3,655	23	44	3,634	652	2,032	1,544
	2020	3,833	18	16	3,835	673	2,142	1,494
Côte d'Ivoire	2017	10,121	37	1,247	8,911	359	2,617	6,318
	2018	10,058	102	1,156	9,004	353	2,067	6,926
	2019	10,697	77	1,255	9,518	364	2,339	7,297
	2020	11,274	152	1,333	10,093	376	1,939	8,143
Dem. Rep. of the Congo	2017	9,988	668	62	10,594	126	2,071	8,523
	2018	12,067	799	70	12,796	147	2,831	9,965
	2019	12,060	385	248	12,197	136	2,914	9,283
	2020	12,929	410	174	13,166	142	3,432	9,733
Djibouti	2017	*59	508	..	568	546	*113	*461
	2018	55	526	..	581	550	*115	*469
	2019	92	*514	..	*606	*564	*120	*502
	2020	126	502	..	628	576	*125	*517
Egypt	2017	195,150	65	333	194,882	1,915	41,915	151,606
	2018	202,838	81	425	202,494	1,952	*36,658	165,610
	2019	194,279	74	360	193,993	1,837	38,009	156,340
	2020	197,201	95	885	196,411	1,828	39,036	157,435
Equatorial Guinea	2017	1,334	..	..	1,334	920	230	1,165
	2018	1,355	..	..	1,355	902	217	1,170
	2019	*1,363	..	..	*1,363	*878	*218	*1,144
	2020	*1,370	..	..	*1,370	*858	*216	*1,270
Eritrea	2017	334	..	..	334	98	58	274
	2018	352	..	..	352	102	61	289
	2019	363	..	..	363	104	63	299
	2020	375	..	..	375	106	65	309
Eswatini	2017	415	1,048	..	1,463	1,271	170	1,387
	2018	520	1,020	..	1,541	1,328	197	1,323
	2019	585	942	..	1,527	1,305	182	1,343
	2020	*541	1,044	..	1,584	1,342	*212	1,355
Ethiopia	2017	12,335	..	1,432	10,903	101	2,966	8,856
	2018	13,265	..	1,000	12,265	110	3,212	10,558
	2019	14,558	..	1,000	13,558	119	3,416	10,721
	2020	15,526	..	1,637	13,889	119	3,427	11,225
Gabon	2017	2,278	456	..	2,734	1,277	579	2,155
	2018	2,295	511	..	2,806	1,280	612	2,194
	2019	2,306	511	..	2,817	1,256	553	2,263
	2020	2,423	511	..	2,933	1,279	660	2,274
Gambia	2017	317	..	..	317	133	*80	*237
	2018	392	..	..	392	160	*95	*297
	2019	460	..	..	460	183	*113	*347
	2020	482	..	..	482	187	*157	*325
Ghana	2017	14,248	320	268	14,300	473	986	13,037
	2018	16,425	140	740	15,825	513	1,371	14,401
	2019	18,368	127	1,430	17,065	541	1,364	15,232
	2020	20,170	58	1,801	18,427	573	1,286	16,531
Guinea	2017	1,753	..	..	1,753	143	*298	*1,455
	2018	1,914	..	..	1,914	152	*325	*1,588
	2019	2,019	..	..	2,019	157	*343	*1,676
	2020	2,454	..	..	2,454	186	*449	*2,005

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	2017	*80	..	..	*80	*42	*1	83
	2018	*81	..	..	*81	*42	*1	83
	2019	*82	..	..	*82	*42	0	*89
	2020	*82	..	..	*82	*41	0	*84
Kenya	2017	10,360	230	12	10,577	216	2,022	8,410
	2018	11,182	130	35	11,277	226	2,530	8,702
	2019	11,621	212	16	11,816	232	2,836	8,854
	2020	11,604	137	17	11,724	226	2,911	8,955
Lesotho	2017	502	387	1	888	409	117	700
	2018	517	397	3	911	414	116	807
	2019	393	542	1	934	420	130	791
	2020	427	442	1	868	385	88	673
Liberia	2017	*478	*20	..	*498	*104	*157	*341
	2018	*405	*20	..	*425	*87	*147	*278
	2019	*418	*20	..	*438	*88	*154	*284
	2020	*446	*20	..	*466	*92	*162	*304
Libya	2017	33,282	302	..	33,584	5,265	7,682	14,133
	2018	34,171	465	..	34,636	5,347	7,736	17,605
	2019	34,629	776	..	35,405	5,390	7,787	18,001
	2020	29,499	1,259	..	30,758	4,622	6,785	17,442
Madagascar	2017	1,983	..	..	1,983	76	166	*1,817
	2018	2,099	..	..	2,099	78	*159	*1,940
	2019	2,178	..	..	2,178	79	*178	*1,999
	2020	2,167	..	..	2,167	77	*170	*1,997
Malawi	2017	1,917	..	20	1,897	106	*388	1,509
	2018	1,803	..	19	1,783	97	*306	1,477
	2019	1,937	..	20	1,917	102	*341	1,576
	2020	*1,882	..	19	*1,863	*96	*276	1,587
Mali	2017	3,096	*117	*535	2,678	139	*330	*2,348
	2018	*3,290	*198	*550	*2,938	*147	*369	*2,568
	2019	3,535	*180	*556	3,159	154	*408	*2,751
	2020	3,728	*172	*569	3,331	157	*432	*2,899
Mauritania	2017	1,183	*185	..	1,368	329	*305	982
	2018	1,271	198	..	1,469	344	*325	1,023
	2019	1,347	204	..	1,551	354	*290	1,099
	2020	*1,434	*196	..	*1,630	*362	*352	1,190
Mauritius	2017	3,120	..	..	3,120	2,410	497	2,880
	2018	3,131	..	..	3,131	2,417	476	2,918
	2019	3,237	..	..	3,237	2,497	475	3,001
	2020	2,882	..	..	2,882	2,221	424	2,683
Morocco	2017	33,192	6,058	161	39,088	1,084	6,636	32,453
	2018	35,822	3,724	350	39,196	1,075	6,582	32,614
	2019	41,650	526	1,453	40,723	1,105	7,272	33,451
	2020	40,057	856	624	40,289	1,082	7,386	32,903
Mozambique	2017	17,452	8,289	10,010	15,732	551	2,765	12,243
	2018	16,988	8,327	9,738	15,577	529	2,839	12,344
	2019	18,824	8,276	10,771	16,329	539	2,974	12,836
	2020	18,886	8,276	12,290	14,873	477	2,986	12,339
Namibia	2017	1,773	2,911	100	4,584	1,938	451	4,057
	2018	1,416	3,337	114	4,639	1,928	342	4,171
	2019	1,372	3,161	119	4,414	1,804	274	4,040
	2020	1,957	2,785	593	4,149	1,667	308	3,759

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	2017	566	845	0	1,412	65	*290	*1,014
	2018	480	1,253	0	1,733	77	*276	*1,379
	2019	626	1,057	..	1,683	72	425	1,239
	2020	656	1,105	..	1,761	72	*404	1,350
Nigeria	2017	32,218	..	..	32,218	167	5,994	25,992
	2018	33,380	..	..	33,380	168	6,194	26,653
	2019	33,107	..	..	33,107	163	6,158	27,274
	2020	32,432	..	..	32,432	156	6,034	27,767
Rwanda	2017	700	82	4	777	64	181	597
	2018	759	96	5	850	68	168	682
	2019	798	99	6	892	69	170	*722
	2020	838	28	6	860	65	*145	*715
Sao Tome and Principe	2017	109	..	..	109	526	*44	*65
	2018	*110	..	..	*110	*519	*44	*65
	2019	110	..	..	110	510	*41	*69
	2020	*110	..	..	*110	*501	*41	*69
Senegal	2017	4,418	360	..	4,778	315	726	3,472
	2018	4,502	360	..	4,862	312	727	3,998
	2019	*4,453	324	..	*4,777	*299	816	3,960
	2020	5,804	356	..	6,160	375	821	4,585
Seychelles	2017	513	..	..	513	5,038	52	*461
	2018	518	..	..	518	5,023	54	*464
	2019	540	..	..	540	5,174	61	*479
	2020	535	..	..	535	5,068	53	*482
Sierra Leone	2017	319	..	..	319	41	*93	*226
	2018	320	..	..	320	41	*89	*231
	2019	260	..	..	260	32	*80	*180
	2020	253	..	..	253	31	*79	*174
Somalia	2017	367	..	..	367	25	*47	*320
	2018	367	..	..	367	24	*17	350
	2019	367	..	..	367	23	*16	*351
	2020	370	..	..	370	22	*15	*355
South Africa	2017	257,769	7,321	14,423	250,667	4,426	59,437	202,672
	2018	256,064	8,320	14,458	249,926	4,359	57,897	205,423
	2019	252,639	7,823	14,482	245,980	4,235	58,953	187,137
	2020	239,520	9,829	13,647	235,702	4,008	58,047	189,146
South Sudan	2017	542	..	..	542	51	39	498
	2018	548	..	..	548	53	37	517
	2019	557	..	..	557	53	38	521
	2020	558	..	..	558	53	38	507
St. Helena and Depend.	2017	11	..	..	11	2,061	*2	9
	2018	12	..	..	12	2,181	*1	11
	2019	12	..	..	12	2,187	*2	10
	2020	11	..	..	11	2,068	*2	10
Sudan	2017	15,692	891	..	16,583	408	3,414	12,961
	2018	16,398	808	..	17,206	410	3,506	13,700
	2019	16,814	*207	..	17,021	394	*3,794	*14,038
	2020	*16,758	727	..	*17,485	*393	*3,885	*13,711
Togo	2017	804	846	104	1,546	197	221	1,322
	2018	588	1,076	192	1,473	183	212	1,239
	2019	718	837	118	1,437	174	117	1,328
	2020	699	815	..	1,514	179	113	1,378

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	2017	20,589	450	483	20,556	1,740	4,364	16,113
	2018	21,012	382	484	20,910	1,752	4,416	16,504
	2019	22,140	472	631	21,981	1,824	4,503	17,430
	2020	21,633	369	969	21,034	1,729	4,536	16,453
Uganda	2017	3,854	65	317	3,602	90	755	2,802
	2018	4,040	84	233	3,891	94	789	3,067
	2019	4,364	104	299	4,169	97	826	3,233
	2020	*4,445	21	222	*4,244	*96	811	3,269
United Rep. of Tanzania	2017	7,258	106	..	7,364	131	1,321	5,933
	2018	7,403	118	..	7,521	129	1,200	6,372
	2019	7,873	113	..	7,986	133	1,320	6,677
	2020	7,954	114	..	8,068	131	1,329	6,738
Zambia	2017	14,536	753	1,063	14,226	822	*2,045	12,192
	2018	16,282	152	1,226	15,208	853	*2,294	12,898
	2019	15,115	198	976	14,338	780	*1,997	12,341
	2020	15,237	130	1,340	14,028	741	*2,525	11,504
Zimbabwe	2017	7,544	2,569	351	9,762	662	1,872	7,880
	2018	9,418	1,177	161	10,435	693	1,923	8,506
	2019	8,451	1,612	504	9,559	623	1,724	8,063
	2020	6,712	2,337	355	8,694	555	1,560	7,333
Asia	2017	13,082,812	109,178	105,898	13,086,092	2,877	2,155,124	10,957,448
	2018	13,772,209	113,576	102,097	13,783,689	3,003	2,226,321	11,560,344
	2019	14,212,142	131,689	96,922	14,246,909	3,078	2,290,070	12,026,502
	2020	14,431,976	127,806	107,131	14,452,652	3,099	2,299,526	12,162,868
Afghanistan	2017	1,420	4,611	..	6,031	169	*670	*5,357
	2018	1,266	4,986	..	6,252	170	*695	*5,552
	2019	1,592	4,912	..	6,504	172	*725	*5,777
	2020	1,337	5,152	..	6,489	166	*725	*5,760
Armenia	2017	7,765	319	1,440	6,645	2,330	1,022	5,623
	2018	7,791	204	1,627	6,368	2,245	965	5,403
	2019	7,680	293	1,251	6,721	2,383	882	5,839
	2020	7,839	320	1,333	6,826	2,433	935	5,890
Azerbaijan	2017	24,321	108	1,283	23,146	2,298	6,030	17,085
	2018	25,229	131	1,445	23,915	2,356	6,081	17,812
	2019	26,073	137	1,491	24,719	2,416	6,024	18,666
	2020	25,839	137	1,151	24,825	2,414	5,783	19,019
Bahrain	2017	29,193	263	260	29,196	20,041	672	27,765
	2018	29,516	448	182	29,782	20,024	540	28,987
	2019	33,453	652	447	33,658	22,526	875	32,783
	2020	33,374	652	447	33,579	22,727	1,759	31,820
Bangladesh	2017	73,249	4,935	..	78,185	483	11,832	65,861
	2018	78,612	5,070	..	83,682	511	12,864	70,409
	2019	84,828	6,786	..	91,614	554	14,301	79,198
	2020	84,759	6,671	..	91,430	546	14,186	79,922
Bhutan	2017	7,730	92	5,701	2,121	2,805	161	2,186
	2018	6,960	134	4,581	2,513	3,298	219	2,186
	2019	8,858	96	6,147	2,808	3,659	*546	2,279
	2020	11,371	82	9,260	2,193	2,839	301	1,961
Brunei Darussalam	2017	4,157	..	..	4,157	9,661	1,043	3,112
	2018	4,294	..	..	4,294	9,887	1,009	3,284
	2019	4,933	..	..	4,933	11,261	1,028	3,906
	2020	5,736	..	..	5,736	12,985	972	4,763

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	2017	6,902	1,442	..	8,344	527	1,547	6,792
	2018	8,530	1,567	..	10,097	630	1,494	8,649
	2019	9,018	3,063	..	12,081	745	1,821	10,379
	2020	8,982	3,820	..	12,802	781	1,782	11,092
China	2017	6,604,476	6,423	19,470	6,591,429	4,674	1,075,720	5,515,707
	2018	7,166,133	5,688	20,906	7,150,915	5,046	1,149,860	6,000,960
	2019	7,503,458	4,860	21,650	7,486,668	5,265	1,187,949	6,298,689
	2020	7,779,060	4,750	21,790	7,762,020	5,447	1,194,448	6,567,566
China, Hong Kong SAR	2017	36,970	12,576	1,341	48,205	6,460	4,373	43,832
	2018	36,565	12,599	556	48,608	6,497	4,303	44,305
	2019	36,911	12,381	..	49,292	6,576	4,373	44,919
	2020	35,189	12,699	..	47,888	6,384	3,687	44,201
China, Macao SAR	2017	1,465	3,952	..	5,417	8,483	249	5,169
	2018	653	4,911	..	5,564	8,547	250	5,319
	2019	830	4,976	..	5,806	8,748	257	5,550
	2020	562	4,853	..	5,415	8,007	223	5,192
Cyprus	2017	5,004	..	..	5,004	4,141	459	4,542
	2018	5,061	..	..	5,061	4,152	397	4,665
	2019	5,141	..	..	5,141	4,184	419	4,724
	2020	4,849	..	..	4,849	3,918	446	4,377
Georgia	2017	11,531	1,751	940	12,343	3,272	1,134	11,208
	2018	12,149	1,522	602	13,069	3,464	1,113	11,937
	2019	11,857	1,763	380	13,240	3,511	1,181	12,059
	2020	11,160	1,712	256	12,616	3,350	1,136	11,479
India	2017	1,490,257	5,611	7,203	1,488,665	1,099	365,609	1,130,328
	2018	1,521,958	4,657	8,494	1,518,121	1,109	383,141	1,158,311
	2019	1,576,740	6,351	9,491	1,573,600	1,138	381,279	1,291,493
	2020	*1,533,307	*9,318	*9,426	*1,533,199	*1,098	*380,951	*1,182,189
Indonesia	2017	262,673	1,120	..	263,793	997	34,752	244,637
	2018	275,657	..	..	275,657	1,032	35,877	251,796
	2019	280,562	..	..	280,562	1,041	37,065	258,092
	2020	274,780	..	..	274,780	1,011	36,297	265,092
Iran (Islamic Rep. of)	2017	307,992	3,852	8,172	303,672	3,594	45,780	251,717
	2018	309,351	2,588	6,295	305,643	3,570	44,918	258,722
	2019	321,570	2,738	6,365	317,942	3,673	46,580	261,366
	2020	324,845	2,738	6,365	321,218	3,680	46,788	265,971
Iraq	2017	83,947	11,787	..	95,734	2,416	56,714	38,377
	2018	82,507	21,793	..	104,300	2,570	57,707	43,555
	2019	88,867	34,396	..	123,263	2,966	72,213	45,270
	2020	91,423	18,609	..	110,032	2,586	65,209	42,864
Israel	2017	67,674	..	5,649	62,025	7,465	5,440	56,295
	2018	68,894	..	5,863	63,031	7,454	5,643	57,481
	2019	72,351	..	6,311	66,040	7,672	6,083	59,889
	2020	72,285	..	6,243	66,042	7,541	6,433	60,049
Japan	2017	1,080,902	..	..	1,080,902	8,534	113,747	964,732
	2018	1,068,385	..	..	1,068,385	8,462	113,388	945,688
	2019	1,040,627	..	..	1,040,627	8,273	111,056	927,258
	2020	1,017,778	..	..	1,017,778	8,126	113,900	907,402
Jordan	2017	20,793	51	57	20,787	2,035	2,644	17,504
	2018	20,476	188	94	20,571	1,967	2,637	17,494
	2019	20,995	239	98	21,137	1,976	2,739	17,910
	2020	20,952	632	190	21,394	1,958	2,784	18,570

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	2017	103,197	1,328	5,692	98,832	5,396	16,368	78,793
	2018	107,605	1,561	5,042	104,125	5,617	21,550	80,337
	2019	106,878	1,935	2,419	106,394	5,673	24,884	71,955
	2020	110,890	1,569	2,323	110,136	5,803	26,216	70,122
Korea, Dem.Ppl's.Rep.	2017	14,451	..	..	14,451	566	3,653	10,798
	2018	15,044	..	..	15,044	587	3,803	11,241
	2019	13,580	..	..	13,580	527	3,432	10,147
	2020	15,210	..	..	15,210	588	3,844	11,365
Korea, Republic of	2017	566,893	..	..	566,893	11,005	60,511	523,237
	2018	590,129	..	..	590,129	11,420	60,683	531,374
	2019	581,492	..	..	581,492	11,225	60,413	523,815
	2020	578,595	..	..	578,595	11,160	59,946	512,695
Kuwait	2017	72,826	553	390	72,989	17,695	19,326	53,663
	2018	74,161	202	535	73,828	17,101	20,034	53,795
	2019	75,082	..	..	75,082	16,906	19,766	60,311
	2020	74,757	..	..	74,757	17,144	20,024	59,720
Kyrgyzstan	2017	15,514	..	1,215	14,299	2,336	3,162	11,008
	2018	15,728	..	755	14,973	2,406	3,109	11,864
	2019	15,100	269	271	15,098	2,388	2,742	12,356
	2020	15,404	352	302	15,454	2,405	3,266	12,188
Lao People's Dem. Rep.	2017	33,227	500	24,901	8,826	1,261	3,861	4,966
	2018	36,762	302	27,216	9,848	1,386	*4,432	5,417
	2019	31,133	1,345	*22,460	10,018	1,389	*3,424	6,596
	2020	*39,967	*1,331	*28,833	*12,465	*1,703	*5,198	*7,268
Lebanon	2017	23,411	534	..	23,945	3,919	*2,192	*21,753
	2018	23,150	11	..	23,161	3,892	*2,128	*21,033
	2019	23,819	90	..	23,909	4,135	*2,272	21,637
	2020	18,344	0	..	18,344	3,239	1,995	16,350
Malaysia	2017	164,509	7	1,124	163,392	5,110	16,876	146,520
	2018	170,578	20	1,509	169,089	5,219	14,805	152,866
	2019	175,778	19	669	175,129	5,339	18,097	158,703
	2020	182,658	41	1,699	181,000	5,452	18,888	151,940
Maldives	2017	725	..	..	725	1,535	*41	*684
	2018	772	..	..	772	1,576	*42	*730
	2019	804	..	..	804	1,594	*46	*758
	2020	807	..	..	807	1,569	*52	*755
Mongolia	2017	6,027	1,574	26	7,576	2,447	1,627	5,949
	2018	6,535	1,666	27	8,174	2,584	1,725	6,450
	2019	6,900	1,723	24	8,599	2,660	1,752	6,847
	2020	6,970	1,685	42	8,613	2,615	1,796	6,817
Myanmar	2017	20,055	116	1,393	18,778	359	2,940	15,839
	2018	22,883	152	1,527	21,507	408	3,588	17,919
	2019	23,778	122	1,281	22,619	426	3,939	18,681
	2020	23,643	129	1,637	22,135	414	4,447	19,196
Nepal	2017	4,639	2,582	3	7,218	256	1,498	5,710
	2018	4,902	2,813	35	7,680	269	1,170	6,500
	2019	6,181	1,729	107	7,803	271	1,213	6,579
	2020	6,223	2,826	44	9,005	307	1,560	7,434
Oman	2017	36,130	..	..	36,130	7,955	3,781	32,349
	2018	37,718	..	..	37,718	8,198	4,171	33,547
	2019	38,337	..	..	38,337	8,329	4,541	33,796
	2020	38,173	..	..	38,173	8,402	5,055	33,117

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	2017	270,281	..	..	270,281	11,421	28,685	241,586
	2018	275,577	..	..	275,577	11,615	28,384	247,435
	2019	274,191	..	..	274,191	11,531	28,564	246,190
	2020	280,127	..	..	280,127	11,759	28,793	251,986
Pakistan	2017	123,533	433	..	123,966	573	24,408	103,273
	2018	134,982	297	..	135,279	616	21,076	109,459
	2019	136,461	499	..	136,960	613	20,285	113,546
	2020	130,458	514	..	130,972	576	23,284	107,687
Philippines	2017	95,747	..	..	95,747	897	17,917	77,793
	2018	101,223	..	..	101,223	932	18,596	82,617
	2019	107,517	..	..	107,517	974	20,327	87,118
	2020	103,215	..	..	103,215	920	19,913	83,243
Qatar	2017	45,555	..	..	45,555	16,799	5,526	40,030
	2018	47,913	..	..	47,913	17,318	6,045	41,868
	2019	49,873	..	..	49,873	17,766	6,212	43,660
	2020	49,259	..	..	49,259	17,845	6,208	43,089
Saudi Arabia	2017	353,666	3	38	353,631	10,342	76,272	284,709
	2018	343,800	2	36	343,766	9,817	55,450	285,790
	2019	343,313	3	33	343,283	9,582	51,966	275,669
	2020	339,119	*464	*832	338,751	9,411	*48,254	277,944
Singapore	2017	52,401	..	..	52,401	9,090	2,591	49,638
	2018	53,142	..	..	53,142	9,139	2,537	50,438
	2019	54,552	..	..	54,552	9,299	2,696	51,713
	2020	53,702	..	..	53,702	9,087	2,907	50,761
Sri Lanka	2017	15,004	..	..	15,004	698	1,516	13,489
	2018	15,985	..	..	15,985	741	2,019	14,119
	2019	16,630	..	..	16,630	768	1,876	14,738
	2020	15,801	..	..	15,801	728	2,254	14,450
State of Palestine	2017	546	5,577	..	6,123	1,302	735	5,388
	2018	420	5,916	..	6,336	1,319	760	5,576
	2019	811	6,249	..	7,060	1,438	847	6,213
	2020	840	6,519	..	7,359	1,466	883	6,476
Syrian Arab Republic	2017	18,288	..	543	17,745	935	5,886	12,965
	2018	18,286	..	543	17,743	918	5,885	12,964
	2019	17,648	..	347	17,301	861	5,718	12,641
	2020	16,365	..	317	16,048	773	5,303	11,726
Tajikistan	2017	18,144	110	1,421	16,833	1,886	*3,170	13,774
	2018	19,743	559	2,945	17,357	1,901	*3,172	13,890
	2019	20,957	281	3,175	18,063	1,935	3,204	14,167
	2020	20,101	311	1,870	18,543	1,943	3,557	14,965
Thailand	2017	181,940	24,427	1,106	205,261	2,895	14,971	185,369
	2018	182,288	26,669	1,093	207,865	2,922	15,728	188,048
	2019	190,681	25,547	2,882	213,346	2,992	16,218	193,176
	2020	188,870	29,551	2,611	215,810	3,019	16,241	196,706
Timor-Leste	2017	430	..	..	430	345	*108	321
	2018	453	..	..	453	359	*117	335
	2019	518	..	..	518	404	*133	384
	2020	505	..	..	505	389	*135	370
Türkiye	2017	297,278	2,728	3,304	296,702	3,614	50,947	245,755
	2018	304,802	2,477	3,112	304,167	3,673	49,232	254,934
	2019	303,898	2,212	2,789	303,320	3,633	50,113	253,207
	2020	306,703	1,890	2,484	306,109	3,638	47,384	258,725

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	2017	22,534	..	3,201	19,333	3,239	6,857	12,476
	2018	22,534	..	3,201	19,333	3,188	6,857	12,476
	2019	22,534	..	3,201	19,333	3,139	6,857	12,476
	2020	22,534	..	3,201	19,333	3,093	6,857	12,476
United Arab Emirates	2017	*134,569	514	617	*134,466	*14,828	23,436	114,485
	2018	*136,014	488	517	*135,985	*14,878	*20,151	116,390
	2019	*138,454	245	257	*138,442	*15,029	*18,513	119,941
	2020	*137,310	206	235	*137,282	*14,782	*19,087	118,223
Uzbekistan	2017	60,323	6,945	7,585	59,684	1,868	*4,344	50,350
	2018	62,408	2,233	2,627	62,014	1,911	3,303	53,514
	2019	63,021	3,379	2,067	64,334	1,951	4,891	54,175
	2020	66,516	5,207	2,687	69,037	2,059	12,232	51,951
Viet Nam	2017	198,499	2,352	1,825	199,026	2,117	20,777	174,653
	2018	213,199	1,722	733	214,189	2,257	21,488	192,701
	2019	*232,602	2,401	1,311	*233,692	*2,440	26,643	207,049
	2020	240,543	3,067	1,555	242,055	2,504	24,251	215,743
Yemen	2017	4,050	..	..	4,050	135	1,545	2,297
	2018	3,487	..	..	3,487	113	1,179	2,203
	2019	3,277	..	..	3,277	104	1,088	2,210
	2020	2,939	..	..	2,939	91	950	2,201
Europe	2017	4,884,692	462,820	465,012	4,882,500	6,539	903,252	3,965,058
	2018	4,903,522	461,031	462,851	4,901,702	6,556	920,192	3,969,779
	2019	4,848,725	463,859	464,976	4,847,608	6,477	903,501	3,932,118
	2020	4,690,690	471,927	473,143	4,689,474	6,265	871,122	3,806,480
Albania	2017	4,526	2,915	0	7,441	2,584	1,483	5,956
	2018	8,552	850	1,764	7,639	2,655	1,315	6,085
	2019	5,206	3,177	770	7,612	2,649	1,310	6,179
	2020	5,313	3,239	963	7,589	2,647	1,298	6,312
Andorra	2017	103	470	0	573	7,757	67	486
	2018	135	439	0	574	7,656	68	492
	2019	107	456	0	563	7,378	66	490
	2020	132	*396	0	*528	*6,798	55	447
Austria	2017	71,324	29,362	22,817	77,870	8,851	14,788	63,083
	2018	68,618	28,076	19,129	77,565	8,774	14,115	63,445
	2019	74,234	26,047	22,918	77,363	8,712	13,818	63,512
	2020	72,566	24,522	22,327	74,762	8,393	13,519	61,204
Belarus	2017	34,515	5,992	3,407	37,100	3,822	7,148	29,952
	2018	38,986	3,257	4,248	37,995	3,919	7,291	30,704
	2019	40,465	3,059	5,398	38,126	3,941	7,196	30,930
	2020	38,548	4,277	4,777	38,048	3,949	7,192	30,856
Belgium	2017	86,616	14,189	8,168	92,638	8,137	10,461	82,197
	2018	75,037	21,636	4,308	92,364	8,068	9,783	82,807
	2019	93,640	12,734	14,589	91,785	7,974	10,289	81,834
	2020	89,389	13,722	14,055	89,056	7,703	9,837	79,096
Bosnia and Herzegovina	2017	16,439	3,346	5,187	14,598	4,244	3,187	11,398
	2018	19,160	3,092	7,698	14,554	4,280	3,098	11,456
	2019	17,493	2,825	6,565	13,753	4,092	2,760	10,993
	2020	16,874	3,266	7,317	12,823	3,864	2,887	9,936
Bulgaria	2017	45,613	3,705	9,186	40,132	5,588	10,178	29,909
	2018	46,838	2,223	10,030	39,030	5,484	9,051	29,893
	2019	44,302	3,045	8,855	38,492	5,458	8,853	30,119
	2020	40,767	3,707	7,115	37,358	5,353	8,062	28,603

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	2017	11,984	12,158	5,204	18,937	4,517	2,959	15,979
	2018	13,632	12,693	7,306	19,019	4,571	2,844	16,175
	2019	12,760	11,401	5,268	18,893	4,575	2,738	16,155
	2020	13,385	10,491	5,852	18,025	4,400	2,809	15,215
Czechia	2017	87,050	15,072	28,109	74,013	7,028	14,795	57,407
	2018	88,032	11,573	25,481	74,125	7,036	14,545	58,103
	2019	87,031	11,026	24,123	73,934	7,017	14,340	58,416
	2020	81,517	13,368	23,521	71,364	6,777	13,721	57,029
Denmark	2017	31,023	15,218	10,655	35,585	6,202	4,266	31,073
	2018	30,370	15,634	10,409	35,594	6,172	4,330	30,917
	2019	29,523	15,982	10,171	35,334	6,096	4,032	30,850
	2020	28,733	18,594	11,711	35,616	6,114	3,488	31,230
Estonia	2017	13,160	2,281	5,015	10,426	7,914	3,194	7,232
	2018	12,364	3,053	4,950	10,467	7,917	2,669	7,491
	2019	7,616	4,861	2,704	9,773	7,364	1,985	7,317
	2020	5,956	7,367	3,723	9,600	7,221	1,497	7,180
Faeroe Islands	2017	334	..	..	334	6,655	*28	306
	2018	352	..	..	352	6,908	*31	321
	2019	386	..	..	386	7,470	*36	350
	2020	407	..	..	407	7,761	36	371
Finland	2017	67,524	22,204	1,779	87,949	15,967	6,485	81,039
	2018	70,263	22,548	2,612	90,199	16,354	7,006	82,769
	2019	68,650	23,938	3,896	88,692	16,063	6,989	81,310
	2020	68,950	21,647	6,671	83,926	15,178	6,616	76,901
France	2017	561,977	21,119	61,248	521,848	7,856	77,926	439,365
	2018	581,785	13,512	76,479	518,819	7,792	78,679	437,102
	2019	570,913	15,632	73,299	513,245	7,691	77,105	431,705
	2020	531,762	19,536	64,575	486,723	7,282	73,541	411,359
Germany	2017	653,723	27,842	80,301	601,264	7,277	82,311	518,953
	2018	640,468	31,727	80,463	591,732	7,138	82,338	509,394
	2019	606,917	40,126	72,793	574,250	6,906	77,735	496,515
	2020	572,666	47,853	66,882	553,637	6,644	73,823	479,814
Gibraltar	2017	214	..	..	214	6,551	11	203
	2018	215	..	..	215	6,600	11	205
	2019	220	..	..	220	6,725	11	209
	2020	215	..	..	215	6,561	11	204
Greece	2017	55,266	8,696	2,459	61,503	5,752	7,534	53,969
	2018	53,263	8,550	2,272	59,541	5,599	10,071	49,470
	2019	48,626	11,067	1,123	58,570	5,539	8,373	50,197
	2020	48,252	9,831	967	57,116	5,433	9,587	47,529
Guernsey	2017	77	294	..	371	6,027	17	354
	2018	54	319	..	373	6,019	25	348
	2019	165	204	..	369	5,909	22	348
	2020	23	347	..	370	5,889	*32	338
Hungary	2017	32,915	19,803	6,925	45,793	4,678	6,797	38,493
	2018	32,067	18,613	4,265	46,415	4,748	6,702	39,418
	2019	34,291	19,853	7,269	46,875	4,797	6,607	40,222
	2020	34,930	19,176	7,499	46,607	4,780	6,300	39,938
Iceland	2017	19,239	..	..	19,239	55,986	1,153	17,892
	2018	19,830	..	..	19,830	56,184	1,128	18,487
	2019	19,489	..	..	19,489	54,019	1,075	18,227
	2020	19,127	..	..	19,127	52,165	1,069	17,869

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	2017	30,876	1,116	1,795	30,197	6,328	3,475	26,636
	2018	31,139	1,622	1,649	31,111	6,435	3,649	27,877
	2019	30,960	2,180	1,535	31,604	6,455	3,574	28,424
	2020	32,290	1,761	1,913	32,138	6,498	3,757	28,646
Isle of Man	2017	467	41	95	413	4,938	*30	363
	2018	493	*65	131	427	5,095	60	362
	2019	581	*46	192	435	5,183	69	366
	2020	552	*46	168	430	5,110	70	360
Italy	2017	295,830	42,895	5,134	333,591	5,556	41,625	291,965
	2018	289,708	47,170	3,271	333,607	5,568	40,526	293,081
	2019	293,853	43,975	5,834	331,994	5,555	40,061	291,933
	2020	280,531	39,790	7,590	312,731	5,253	37,531	275,200
Jersey	2017	49	626	..	674	6,508	53	620
	2018	45	637	..	682	6,468	48	633
	2019	44	630	..	675	6,302	40	632
	2020	*43	612	..	655	6,048	*40	616
Kosovo	2017	5,918	1,242	880	6,281	3,627	1,934	4,338
	2018	5,915	825	677	6,064	3,546	1,660	4,398
	2019	6,351	928	905	6,374	3,779	1,645	4,714
	2020	6,711	966	1,283	6,394	3,827	1,497	4,894
Latvia	2017	7,531	4,073	4,137	7,467	3,820	981	6,485
	2018	6,725	5,174	4,265	7,634	3,944	970	6,662
	2019	6,438	4,611	3,493	7,556	3,943	918	6,637
	2020	5,725	4,173	2,548	7,350	3,875	826	6,524
Liechtenstein	2017	93	314	..	407	10,731	0	407
	2018	89	321	..	410	10,728	0	410
	2019	103	307	..	410	10,654	0	410
	2020	104	299	..	402	10,380	0	402
Lithuania	2017	4,187	11,926	3,249	12,864	4,429	2,802	10,059
	2018	3,511	12,848	3,215	13,144	4,570	2,743	10,398
	2019	3,972	13,268	3,924	13,315	4,674	2,771	10,541
	2020	5,518	12,013	4,105	13,426	4,761	3,068	10,355
Luxembourg	2017	2,235	7,567	1,389	8,413	14,109	2,020	6,393
	2018	2,200	7,553	1,392	8,361	13,754	1,902	6,459
	2019	1,908	6,818	939	7,787	12,561	1,390	6,397
	2020	2,234	6,543	1,079	7,699	12,213	1,581	6,120
Malta	2017	1,652	897	36	2,513	5,241	196	2,317
	2018	1,962	631	11	2,583	5,255	209	2,375
	2019	2,060	657	20	2,696	5,353	232	2,464
	2020	2,143	420	4	2,559	4,965	204	2,355
Montenegro	2017	2,483	1,537	417	3,603	5,697	631	2,855
	2018	3,679	780	976	3,483	5,516	637	2,847
	2019	3,423	1,196	943	3,676	5,831	622	3,054
	2020	3,386	5,943	5,864	3,465	5,508	628	2,837
Netherlands	2017	117,195	22,458	18,952	120,701	7,015	14,924	106,342
	2018	114,258	26,755	18,785	122,228	7,071	14,576	108,945
	2019	121,352	20,403	19,548	122,207	7,038	14,278	109,169
	2020	123,554	19,773	22,433	120,894	6,934	13,070	109,064
North Macedonia	2017	5,600	2,294	311	7,583	3,590	1,481	6,102
	2018	5,607	2,297	377	7,527	3,561	1,421	6,105
	2019	5,870	2,411	583	7,698	3,641	1,457	6,241
	2020	5,346	2,965	639	7,673	3,635	1,449	6,224

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	2017	149,480	6,111	21,276	134,315	25,451	19,197	113,696
	2018	146,891	8,340	18,489	136,742	25,740	19,895	115,907
	2019	135,292	12,353	12,309	135,336	25,305	18,718	115,624
	2020	154,255	4,496	24,968	133,783	24,867	19,467	113,322
Poland	2017	170,465	13,271	10,984	172,752	4,483	36,964	135,788
	2018	170,039	13,816	8,121	175,734	4,562	35,265	140,469
	2019	163,989	17,868	7,245	174,611	4,536	34,200	140,412
	2020	158,043	20,624	7,357	171,310	4,458	33,988	137,322
Portugal	2017	59,432	5,506	8,190	56,748	5,505	10,107	46,641
	2018	59,636	5,668	8,325	56,979	5,537	9,020	47,959
	2019	53,154	8,099	4,700	56,553	5,496	8,674	47,880
	2020	53,078	7,553	6,097	54,535	5,296	8,214	46,254
Republic of Moldova	2017	896	3,412	..	4,308	1,355	604	3,704
	2018	954	3,500	..	4,454	1,418	613	3,841
	2019	941	3,501	..	4,442	1,429	629	3,813
	2020	983	3,418	..	4,401	1,427	594	3,807
Romania	2017	64,296	4,842	7,735	61,402	3,117	16,563	44,699
	2018	64,876	3,697	6,241	62,332	3,179	16,532	45,566
	2019	59,623	5,493	3,975	61,141	3,132	15,545	45,573
	2020	55,935	8,252	5,459	58,727	3,021	14,668	44,024
Russian Federation	2017	1,094,289	6,410	17,006	1,083,693	7,450	319,156	760,885
	2018	1,115,093	5,177	17,779	1,102,491	7,569	339,002	759,582
	2019	1,121,492	1,618	20,049	1,103,061	7,569	344,218	755,636
	2020	1,089,668	3,608	12,274	1,081,002	7,424	328,500	749,614
Serbia	2017	37,045	6,549	5,724	37,870	5,073	9,746	28,124
	2018	37,426	6,400	6,284	37,542	5,050	9,494	28,049
	2019	37,600	5,417	5,341	37,676	5,091	9,682	27,994
	2020	37,956	5,070	5,675	37,351	5,076	9,471	27,881
Slovakia	2017	27,738	15,563	12,535	30,766	5,656	4,940	25,803
	2018	26,971	12,428	8,746	30,653	5,628	4,684	25,935
	2019	28,434	13,538	11,838	30,134	5,525	4,907	25,192
	2020	28,838	13,289	12,970	29,157	5,343	5,323	23,813
Slovenia	2017	16,326	9,133	9,648	15,811	7,535	2,281	13,530
	2018	16,327	8,930	9,432	15,825	7,514	2,113	13,712
	2019	16,100	9,021	9,340	15,781	7,469	2,102	13,679
	2020	17,191	7,120	9,123	15,188	7,172	2,236	12,951
Spain	2017	275,726	23,762	14,593	284,895	6,116	45,679	239,101
	2018	274,452	24,018	12,916	285,554	6,103	46,724	238,465
	2019	273,257	18,721	11,859	280,119	5,943	44,912	234,529
	2020	263,373	17,928	14,649	266,653	5,630	46,550	219,655
Sweden	2017	164,250	11,896	30,888	145,258	14,442	16,460	127,254
	2018	163,400	12,202	29,425	146,177	14,384	17,327	127,562
	2019	168,439	9,070	35,231	142,278	13,857	16,482	124,558
	2020	163,833	11,827	36,824	138,836	13,390	14,207	123,097
Switzerland	2017	63,089	36,496	30,946	68,639	8,121	10,156	58,471
	2018	69,109	31,020	32,607	67,522	7,930	9,875	57,645
	2019	73,471	29,505	35,765	67,211	7,837	10,014	57,197
	2020	71,638	26,988	32,548	66,078	7,649	10,364	55,714
Ukraine	2017	156,037	50	5,226	150,861	3,378	33,495	117,366
	2018	159,833	32	6,099	153,766	3,460	35,113	118,653
	2019	154,141	2,238	6,283	150,096	3,395	32,919	116,689
	2020	146,993	2,720	5,139	144,574	3,293	30,240	113,510

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	2017	337,884	18,167	3,407	352,644	5,338	52,964	299,865
	2018	333,162	21,332	2,225	352,270	5,303	51,034	300,800
	2019	323,846	24,556	3,385	345,016	5,167	48,102	296,483
	2020	311,259	22,391	4,481	329,169	4,909	48,201	280,490
Latin America & Carib.	2017	1,616,620	53,434	51,482	1,618,572	2,552	312,278	1,313,942
	2018	1,680,329	52,989	51,114	1,682,204	2,628	319,794	1,332,303
	2019	1,674,223	44,921	44,103	1,675,041	2,594	307,852	1,344,547
	2020	1,610,048	50,112	43,312	1,616,847	2,485	298,833	1,302,094
Anguilla	2017	82	..	..	82	5,453	*10	*72
	2018	83	..	..	83	5,435	8	*74
	2019	100	..	..	100	6,478	11	*88
	2020	90	..	..	90	5,803	10	*80
Antigua and Barbuda	2017	*353	..	..	*353	*3,874	*98	*255
	2018	362	..	..	362	3,951	*62	*300
	2019	358	..	..	358	3,891	54	*305
	2020	344	..	..	344	3,707	42	307
Argentina	2017	145,618	10,529	69	156,078	3,543	27,078	129,001
	2018	152,224	10,030	280	161,974	3,647	27,990	128,744
	2019	145,990	10,946	261	156,675	3,501	24,995	125,619
	2020	144,924	7,802	3,089	149,637	3,323	25,399	124,522
Aruba	2017	*978	..	..	*978	*9,279	*165	*813
	2018	*991	..	..	*991	*9,351	*174	*817
	2019	*997	..	..	*997	*9,369	*168	*829
	2020	*1,001	..	..	*1,001	*9,392	*161	*840
Bahamas	2017	*1,989	..	..	*1,989	*4,985	*98	*1,841
	2018	*1,999	..	..	*1,999	*4,974	*78	*1,909
	2019	*2,010	..	..	*2,010	*4,968	*80	*1,930
	2020	*2,020	..	..	*2,020	*4,969	*69	*1,961
Barbados	2017	1,047	..	..	1,047	3,750	75	974
	2018	1,055	..	..	1,055	3,774	38	943
	2019	1,070	..	..	1,070	3,820	103	944
	2020	1,067	..	..	1,067	3,803	89	894
Belize	2017	406	230	..	636	1,697	74	572
	2018	416	235	..	651	1,704	79	586
	2019	305	384	..	689	1,770	79	620
	2020	434	270	..	704	1,783	199	515
Bolivia (Plur. State of)	2017	9,617	..	..	9,617	841	1,351	8,374
	2018	9,855	..	..	9,855	849	1,269	8,450
	2019	10,172	..	..	10,172	864	1,284	8,680
	2020	9,977	..	..	9,977	836	1,341	8,365
Bonaire, St Eustatius, Saba	2017	137	..	..	137	5,610	*33	*104
	2018	*137	..	..	*137	*5,467	*32	*105
	2019	*145	..	..	*145	*5,667	*35	*110
	2020	145	..	..	145	5,548	*34	*111
Brazil	2017	589,326	36,511	156	625,681	3,001	127,259	498,420
	2018	601,396	34,980	1	636,375	3,028	129,435	506,939
	2019	626,329	25,156	199	651,286	3,075	138,411	512,874
	2020	621,198	25,113	395	645,916	3,030	137,369	508,548
British Virgin Islands	2017	173	..	..	173	5,745	26	147
	2018	160	..	..	160	5,258	24	*136
	2019	*161	..	..	*161	*5,260	*22	*139
	2020	*162	..	..	*162	*5,230	*20	*142

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
Cayman Islands	2017	671	..	..	671	10,546	29	642
	2018	658	..	..	658	10,137	9	649
	2019	696	..	..	696	10,519	6	689
	2020	668	..	..	668	9,919	3	665
Chile	2017	79,443	0	39	79,404	4,323	7,291	69,624
	2018	82,339	0	..	82,339	4,403	6,625	73,034
	2019	84,558	..	..	84,558	4,441	6,775	74,097
	2020	83,994	..	..	83,994	4,352	6,277	74,514
Colombia	2017	75,125	78	9	75,194	1,555	13,613	61,232
	2018	78,426	122	16	78,532	1,594	16,687	61,531
	2019	80,415	312	0	80,727	1,609	14,645	67,488
	2020	79,550	1,302	251	80,600	1,583	15,072	65,687
Costa Rica	2017	11,359	551	741	11,169	2,236	1,415	9,804
	2018	11,528	572	813	11,288	2,239	1,435	9,892
	2019	11,508	340	323	11,525	2,267	1,301	10,190
	2020	11,743	118	624	11,237	2,193	1,318	9,905
Cuba	2017	20,558	..	..	20,558	1,813	5,068	15,490
	2018	20,837	..	..	20,837	1,839	5,248	15,589
	2019	21,078	449	..	21,528	1,902	5,747	15,691
	2020	19,428	1,402	..	20,829	1,843	5,425	14,972
Curaçao	2017	891	..	..	891	5,197	156	736
	2018	866	..	..	866	4,688	150	716
	2019	879	..	..	879	4,553	114	765
	2020	839	..	..	839	4,433	109	730
Dominica	2017	131	..	..	131	1,856	10	*122
	2018	110	..	..	110	1,557	10	*101
	2019	138	..	..	138	1,936	*13	*126
	2020	142	..	..	142	1,974	*13	*129
Dominican Republic	2017	19,036	..	..	19,036	1,788	3,138	15,887
	2018	19,651	..	..	19,651	1,825	3,242	16,409
	2019	19,857	..	..	19,857	1,825	3,276	18,196
	2020	16,629	..	..	16,629	1,512	2,743	15,559
Ecuador	2017	28,033	19	212	27,840	1,667	3,899	23,972
	2018	29,244	106	256	29,094	1,710	4,197	24,908
	2019	32,284	6	1,827	30,463	1,756	4,659	25,289
	2020	31,248	251	1,341	30,158	1,715	4,737	25,418
El Salvador	2017	5,494	1,675	90	7,079	1,130	1,098	6,153
	2018	5,359	1,824	65	7,118	1,134	1,079	6,221
	2019	6,070	1,450	158	7,362	1,172	1,194	6,343
	2020	6,350	774	131	6,992	1,111	1,121	5,990
Falkland Is. (Malvinas)	2017	18	..	..	18	4,894	*1	*17
	2018	17	..	..	17	4,723	*1	*16
	2019	18	..	..	18	4,774	*1	*17
	2020	18	..	..	18	4,794	*1	*17
Grenada	2017	230	..	..	230	1,899	34	200
	2018	234	..	..	234	1,923	26	208
	2019	243	..	..	243	1,977	20	217
	2020	226	..	..	226	1,831	23	195
Guatemala	2017	12,272	891	1,858	11,306	682	1,259	10,115
	2018	13,568	825	2,500	11,893	706	1,678	10,220
	2019	*14,083	1,141	2,190	*13,034	*762	2,373	10,660
	2020	12,803	1,085	1,156	12,731	733	2,350	10,381

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
Guyana	2017	1,105	..	..	1,105	1,448	245	859
	2018	1,136	..	..	1,136	1,446	268	868
	2019	1,135	..	..	1,135	1,420	269	869
	2020	1,136	..	..	1,136	1,425	255	881
Haiti	2017	1,058	..	..	1,058	97	642	422
	2018	1,048	..	..	1,048	95	651	428
	2019	1,064	..	..	1,064	95	661	435
	2020	1,029	..	..	1,029	91	639	420
Honduras	2017	9,385	446	25	9,807	1,019	2,872	6,935
	2018	9,629	372	8	9,993	1,020	3,005	6,988
	2019	10,586	260	6	10,839	1,088	3,201	7,639
	2020	10,059	292	0	10,351	1,023	3,586	6,766
Jamaica	2017	4,360	..	..	4,360	1,552	1,170	3,191
	2018	4,402	..	..	4,402	1,566	1,163	3,299
	2019	4,425	..	..	4,425	1,573	1,251	3,173
	2020	4,844	..	..	4,844	1,717	1,239	3,605
Mexico	2017	322,062	2,151	1,804	322,409	2,625	60,982	271,921
	2018	357,593	3,673	2,426	358,840	2,894	62,974	273,593
	2019	344,176	3,907	3,084	344,999	2,758	49,480	280,076
	2020	314,549	9,965	5,955	318,559	2,528	45,435	258,852
Montserrat	2017	13	..	..	13	2,843	1	11
	2018	14	..	..	14	3,232	1	11
	2019	14	..	..	14	3,132	1	12
	2020	14	..	..	14	3,127	1	12
Nicaragua	2017	4,525	327	1	4,851	749	1,403	3,451
	2018	4,636	201	0	4,837	736	1,381	3,594
	2019	4,576	434	0	5,010	752	1,568	3,769
	2020	3,791	1,071	0	4,862	720	1,464	3,653
Panama	2017	11,054	7	318	10,743	2,623	1,689	9,095
	2018	11,353	13	326	11,040	2,651	1,916	9,296
	2019	11,663	77	427	11,313	2,673	1,506	9,786
	2020	10,970	117	567	10,520	2,450	1,414	9,232
Paraguay	2017	59,685	..	43,635	16,051	2,526	4,496	11,555
	2018	59,212	..	42,205	17,007	2,639	4,503	12,504
	2019	49,448	..	31,748	17,700	2,711	4,860	12,840
	2020	46,373	..	28,005	18,368	2,775	4,649	13,719
Peru	2017	52,743	17	0	52,759	1,669	6,294	46,465
	2018	54,982	21	..	55,004	1,708	6,711	48,292
	2019	57,038	60	..	57,099	1,739	7,267	49,831
	2020	52,803	37	..	52,841	1,587	7,194	45,647
Puerto Rico	2017	16,371	..	..	16,371	4,863	*1,656	13,559
	2018	17,453	..	..	17,453	5,258	1,187	16,375
	2019	18,886	..	..	18,886	5,735	*1,803	16,077
	2020	18,774	..	..	18,774	5,739	*1,759	16,035
Sint Maarten (Dutch part)	2017	*300	..	..	*300	*7,163	*10	*282
	2018	*291	..	..	*291	*6,898	*9	*270
	2019	*296	..	..	*296	*6,880	*9	*274
	2020	265	..	..	265	6,063	*8	*257
St. Kitts-Nevis	2017	229	..	..	229	4,802	*47	*182
	2018	*230	..	..	*230	*4,808	*43	*187
	2019	*232	..	..	*232	*4,873	*43	*189
	2020	*219	..	..	*219	*4,598	*42	*177

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
St. Lucia	2017	400	..	..	400	2,259	41	360
	2018	404	..	..	404	2,272	43	362
	2019	415	..	..	415	2,322	46	369
	2020	378	..	..	378	2,110	42	336
St. Vincent-Grenadines	2017	151	..	..	151	1,427	*15	136
	2018	151	..	..	151	1,432	*16	135
	2019	154	..	..	154	1,468	*16	138
	2020	154	..	..	154	1,470	*15	139
Suriname	2017	1,805	..	..	1,805	3,073	458	1,347
	2018	1,792	..	..	1,792	3,018	445	1,347
	2019	1,868	..	..	1,868	3,112	439	1,430
	2020	1,727	..	..	1,727	2,845	373	1,354
Trinidad and Tobago	2017	9,323	..	..	9,323	6,305	614	8,709
	2018	9,225	..	..	9,225	6,131	762	8,463
	2019	9,188	..	..	9,188	6,045	759	8,429
	2020	9,225	..	..	9,225	6,076	759	8,463
Turks and Caicos Islands	2017	*293	..	..	*293	*7,361	*13	284
	2018	*258	..	..	*258	*6,211	*22	237
	2019	*261	..	..	*261	*6,062	*20	*241
	2020	*256	..	..	*256	*5,792	*20	*237
United States Virgin Is.	2017	*611	..	..	*611	*5,994	*111	*499
	2018	*626	..	..	*626	*6,180	*113	*514
	2019	*672	..	..	*672	*6,665	*117	*555
	2020	*660	..	..	*660	*6,573	*110	*550
Uruguay	2017	14,363	3	1,462	12,904	3,771	1,831	11,118
	2018	14,623	14	1,195	13,442	3,922	2,105	11,454
	2019	16,090	0	3,011	13,079	3,815	1,876	11,321
	2020	13,557	515	1,148	12,924	3,769	1,685	11,347
Venezuela (Bolivar. Rep.)	2017	103,796	0	1,064	102,732	3,361	34,410	68,997
	2018	99,757	..	1,023	98,734	3,310	32,903	65,588
	2019	82,571	..	870	81,702	2,820	27,296	55,189
	2020	74,265	..	652	73,613	2,584	24,220	49,965
Northern America	2017	4,950,992	75,589	81,411	4,945,170	13,494	679,164	4,271,681
	2018	5,115,013	71,456	75,205	5,111,263	13,840	689,931	4,426,408
	2019	5,045,638	72,386	80,418	5,037,606	13,543	692,855	4,363,180
	2020	4,913,140	71,261	81,567	4,902,834	13,111	618,158	4,301,744
Bermuda	2017	676	..	..	676	10,687	90	585
	2018	644	..	..	644	10,137	77	568
	2019	613	..	..	613	9,608	*57	554
	2020	*590	..	..	*590	*9,214	*72	518
Canada	2017	663,320	9,904	72,040	601,184	16,446	92,415	514,607
	2018	658,332	13,195	61,401	610,126	16,474	90,803	524,574
	2019	652,675	13,334	60,410	605,599	16,140	91,920	532,287
	2020	651,896	9,812	67,432	594,276	15,685	88,487	523,041
Greenland	2017	518	..	..	518	9,264	29	328
	2018	547	..	..	547	9,779	*29	343
	2019	537	..	..	537	9,605	*22	337
	2020	559	..	..	559	9,980	*29	346
St. Pierre-Miquelon	2017	49	..	..	49	8,172	3	46
	2018	51	..	..	51	8,557	3	47
	2019	52	..	..	52	8,798	3	49
	2020	51	..	..	51	8,670	3	49

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 States	2017	4,286,429	65,685	9,371	4,342,743	13,168	586,627	3,756,115
	2018	4,455,439	58,261	13,804	4,499,895	13,548	599,019	3,900,876
	2019	4,391,761	59,052	20,008	4,430,805	13,253	600,853	3,829,952
	2020	4,260,044	61,449	14,135	4,307,358	12,822	529,568	3,777,790
Oceania	2017	315,279	..	..	315,279	7,540	51,420	263,661
	2018	318,605	..	..	318,605	7,490	51,756	266,596
	2019	322,068	..	..	322,068	7,442	53,844	268,022
	2020	322,058	..	..	322,058	7,331	54,644	267,098
American Samoa	2017	167	..	..	167	3,371	19	*148
	2018	*168	..	..	*168	*3,470	*20	*149
	2019	*169	..	..	*169	*3,580	*24	*146
	2020	*171	..	..	*171	*3,697	*23	*147
Australia	2017	258,019	..	..	258,019	10,493	44,959	213,060
	2018	260,998	..	..	260,998	10,449	45,631	215,367
	2019	264,025	..	..	264,025	10,412	47,474	216,551
	2020	265,178	..	..	265,178	10,330	48,493	216,685
Cook Islands	2017	38	..	..	38	2,173	*3	*35
	2018	47	..	..	47	2,743	*4	*44
	2019	44	..	..	44	2,581	*4	*41
	2020	40	..	..	40	2,370	*3	*37
Fiji	2017	1,017	..	..	1,017	1,107	*115	902
	2018	1,045	..	..	1,045	1,138	*120	925
	2019	1,074	..	..	1,074	1,169	*124	950
	2020	989	..	..	989	1,074	*115	874
French Polynesia	2017	681	..	..	681	2,305	43	638
	2018	676	..	..	676	2,273	43	634
	2019	693	..	..	693	2,311	41	652
	2020	665	..	..	665	2,204	42	623
Guam	2017	1,760	..	..	1,760	10,439	150	1,610
	2018	1,715	..	..	1,715	10,166	148	1,567
	2019	1,724	..	..	1,724	10,222	155	1,568
	2020	1,683	..	..	1,683	9,945	160	1,523
Kiribati	2017	*31	..	..	*31	*258	*6	*24
	2018	*32	..	..	*32	*258	*6	*25
	2019	*32	..	..	*32	*256	*6	*26
	2020	*31	..	..	*31	*248	*4	*26
Marshall Islands	2017	*87	..	..	*87	*1,844	*22	*66
	2018	*85	..	..	*85	*1,848	*22	*64
	2019	82	..	..	82	1,835	*22	*61
	2020	*82	..	..	*82	*1,891	*21	*61
Micronesia (Fed. States of)	2017	*69	..	..	*69	*624	*22	*47
	2018	*70	..	..	*70	*631	*23	*47
	2019	*70	..	..	*70	*630	*23	*47
	2020	*70	..	..	*70	*623	*23	*47
Nauru	2017	35	..	..	35	2,967	9	26
	2018	36	..	..	36	3,034	8	28
	2019	36	..	..	36	2,978	6	32
	2020	38	..	..	38	3,092	9	32
New Caledonia	2017	3,228	..	..	3,228	11,353	68	3,160
	2018	3,486	..	..	3,486	12,236	65	3,420
	2019	3,334	..	..	3,334	11,682	61	3,273
	2020	3,233	..	..	3,233	11,288	67	3,166

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	2017	44,641	..	..	44,641	9,405	5,227	39,182
	2018	44,695	..	..	44,695	9,237	5,078	39,273
	2019	45,147	..	..	45,147	9,104	5,282	39,595
	2020	44,543	..	..	44,543	8,801	4,980	38,778
Niue	2017	*3	..	..	*3	*1,819	0	*3
	2018	*4	..	..	*4	*2,050	0	*3
	2019	*4	..	..	*4	*2,020	*1	*3
	2020	*4	..	..	*4	*1,997	0	*3
Northern Mariana Islands	2017	*380	..	..	*380	*7,491	*85	*295
	2018	*390	..	..	*390	*7,753	*86	*304
	2019	*392	..	..	*392	*7,862	*86	*306
	2020	*293	..	..	*293	*5,909	*63	*230
Palau	2017	*98	..	..	*98	*5,494	*14	*84
	2018	*96	..	..	*96	*5,357	*10	*86
	2019	97	..	..	97	5,386	*8	*89
	2020	*98	..	..	*98	*5,453	*10	*88
Papua New Guinea	2017	4,595	..	..	4,595	504	*631	*3,998
	2018	4,629	..	..	4,629	496	442	*4,280
	2019	4,686	..	..	4,686	491	475	*4,278
	2020	4,476	..	..	4,476	459	577	*4,364
Samoa	2017	154	..	..	154	743	16	138
	2018	154	..	..	154	732	15	138
	2019	169	..	..	169	799	18	152
	2020	173	..	..	173	803	16	157
Solomon Islands	2017	103	..	..	103	160	*13	*90
	2018	104	..	..	104	157	*16	*88
	2019	107	..	..	107	159	*18	*88
	2020	107	..	..	107	154	*18	*88
Tonga	2017	67	..	..	67	631	8	*59
	2018	66	..	..	66	625	8	*58
	2019	71	..	..	71	673	8	*63
	2020	73	..	..	73	695	8	*65
Tuvalu	2017	8	..	..	8	760	2	7
	2018	*8	..	..	*8	*780	*2	*7
	2019	*9	..	..	*9	*796	*2	*7
	2020	*9	..	..	*9	*780	*2	*7
Vanuatu	2017	80	..	..	80	274	8	72
	2018	81	..	..	81	274	9	72
	2019	84	..	..	84	276	9	75
	2020	78	..	..	78	251	8	*73
Wallis and Futuna Is.	2017	*20	..	..	*20	*1,642	*3	*17
	2018	*20	..	..	*20	*1,693	*1	*19
	2019	*21	..	..	*21	*1,771	*1	*20
	2020	*23	..	..	*23	*2,009	*2	*22

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.

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.

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.

Figure 84: Heat production by region, 1990-2020

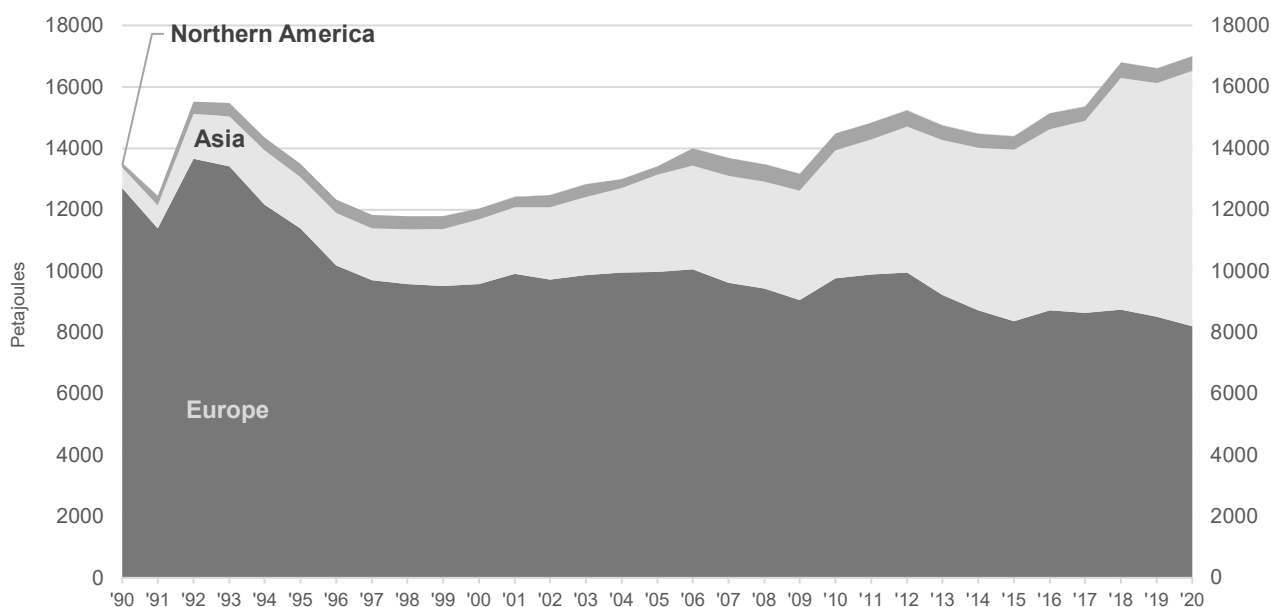


Figure 85: Major heat producing countries, 2020

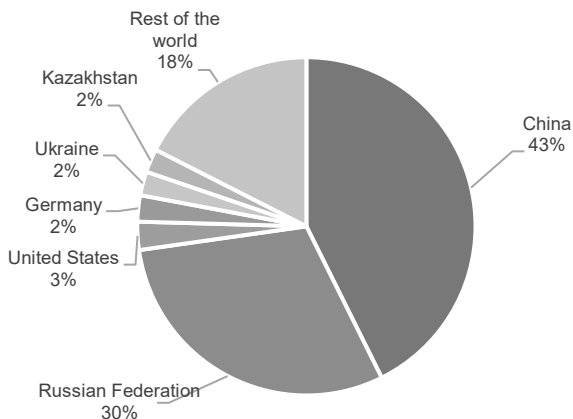


Figure 86: World heat production by type, 2020

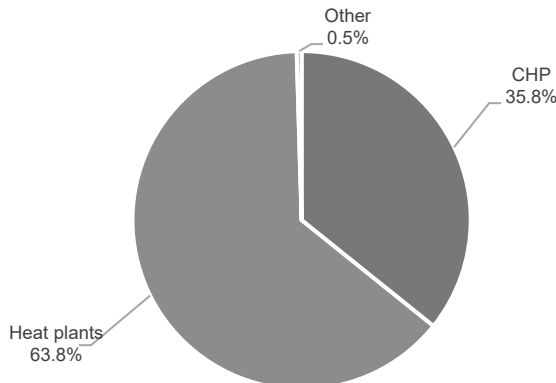


Table 34

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	2017	14,702,643	45,700	7,508	26,579	71,396	62,353	445,430	135,096	289,583
	2018	16,116,320	50,401	8,081	25,956	70,383	63,035	459,552	173,372	327,266
	2019	15,918,618	50,903	8,424	25,647	76,534	67,438	455,444	146,209	337,402
	2020	16,333,425	48,686	8,931	25,012	49,752	69,740	454,324	144,523	348,530
Africa	2017	..	..	..	..	3,880	..	..	..	7,593
	2018	..	..	..	..	5,094	..	..	..	7,919
	2019	..	..	..	..	4,880	..	..	..	8,080
	2020	..	..	..	..	3,629	..	..	..	7,849
Botswana	2017	..	..	..	..	..	..	..	..	42
	2018	..	..	..	..	..	..	..	..	46
	2019	..	..	..	..	..	..	..	..	54
	2020	..	..	..	..	..	..	..	..	55
Namibia	2017	..	..	..	..	..	..	..	..	140
	2018	..	..	..	..	..	..	..	..	152
	2019	..	..	..	..	..	..	..	..	166
	2020	..	..	..	..	..	..	..	..	177
Senegal	2017	..	..	..	..	533	..	..	..	..
	2018	..	..	..	..	969	..	..	..	..
	2019	..	..	..	..	630	..	..	..	..
	2020	..	..	..	..	469	..	..	..	..
South Africa	2017	..	..	..	..	..	..	..	..	5,201
	2018	..	..	..	..	..	..	..	..	5,278
	2019	..	..	..	..	..	..	..	..	5,284
	2020	..	..	..	..	..	..	..	..	4,944
Tunisia	2017	..	..	..	..	3,347	..	..	..	2,210
	2018	..	..	..	..	4,125	..	..	..	2,443
	2019	..	..	..	..	4,250	..	..	..	2,576
	2020	..	..	..	..	3,160	..	..	..	2,673
Asia	2017	6,213,218	..	5,632	..	2,187	18,517	16,870	91,606	78,222
	2018	7,500,974	..	5,778	..	2,172	17,610	18,362	96,578	79,894
	2019	7,562,018	..	5,925	..	2,170	22,564	20,213	97,266	77,205
	2020	8,251,071	..	6,078	..	2,164	22,590	24,240	97,854	78,971
Armenia	2017	31	..	..	..	..	..	..	..	112
	2018	24	..	..	..	..	..	..	..	216
	2019	27	..	..	..	..	..	..	..	358
	2020	38	..	..	..	..	..	..	..	600
Azerbaijan	2017	6,580	..	..	..	..	..	..	..	..
	2018	12,236	..	..	..	..	3	..	..	..
	2019	14,013	..	..	..	..	3	..	..	..
	2020	13,661	..	..	..	..	2	..	..	..
China	2017	5,300,081	..	..	..	..	..	..	..	..
	2018	6,505,618	..	..	..	..	..	..	..	..
	2019	6,617,368	..	..	..	..	..	..	..	..
	2020	7,246,757	..	..	..	..	..	..	..	..
Cyprus	2017	54	..	..	..	..	..	..	..	2,940
	2018	54	..	..	..	..	..	..	..	3,015
	2019	51	..	..	..	..	..	..	..	3,062
	2020	37	..	..	..	..	..	..	..	3,114
Georgia	2017	..	..	..	..	..	..	..	658	128
	2018	..	..	..	..	..	..	..	670	129
	2019	..	..	..	..	..	..	..	680	130
	2020	..	..	..	..	..	..	..	588	131

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
Israel	2017	..	..	..	..	..	..	..	..	16,135
	2018	..	..	..	..	..	..	..	..	15,100
	2019	..	..	..	..	..	..	..	..	15,100
	2020	..	..	..	..	..	..	..	..	16,379
Japan	2017	13,749	..	..	..	..	5,943	2,713	5,367	9,188
	2018	13,187	..	..	..	..	7,118	2,462	5,367	8,447
	2019	12,462	..	..	..	..	7,586	2,590	5,367	7,736
	2020	12,448	..	..	..	..	7,600	2,590	5,367	7,063
Jordan	2017	..	..	..	..	..	..	..	..	7,049
	2018	..	..	..	..	..	..	..	..	8,961
	2019	..	..	..	..	..	..	..	..	9,098
	2020	..	..	..	..	..	..	..	..	9,131
Kazakhstan	2017	371,187	..	..	..	..	..	..	..	..
	2018	389,432	..	..	..	..	..	..	..	..
	2019	347,364	..	..	..	..	..	..	..	..
	2020	381,860	..	..	..	..	..	..	..	..
Korea, Republic of	2017	237,716	..	..	..	2,187	..	..	7,706	1,665
	2018	250,495	..	..	..	2,172	..	..	8,730	1,880
	2019	236,567	..	..	..	2,170	..	..	9,409	1,848
	2020	236,073	..	..	..	2,164	..	..	10,089	1,812
Kyrgyzstan	2017	7,966	..	..	..	..	..	..	..	..
	2018	13,798	..	..	..	..	..	..	..	..
	2019	12,424	..	..	..	..	..	..	..	..
	2020	13,332	..	..	..	..	..	..	..	..
Lebanon	2017	..	..	..	..	..	..	..	..	*1,060
	2018	..	..	..	..	..	..	..	..	*1,060
	2019	..	..	..	..	..	..	..	..	1,060
	2020	..	..	..	..	..	..	..	..	*1,060
Mongolia	2017	47,296	..	..	..	..	..	..	..	..
	2018	52,355	..	..	..	..	..	..	..	..
	2019	55,589	..	..	..	..	..	..	..	..
	2020	59,124	..	..	..	..	..	..	..	..
Other Asia	2017	64,130	..	..	..	..	..	..	..	4,262
	2018	97,523	..	..	..	..	..	..	..	3,945
	2019	89,906	..	..	..	..	..	..	..	3,808
	2020	91,310	..	..	..	..	..	..	..	3,935
State of Palestine	2017	..	..	5,632	..	..	..	..	..	..
	2018	..	..	5,778	..	..	..	..	..	..
	2019	..	..	5,925	..	..	..	..	..	..
	2020	..	..	6,078	..	..	..	..	..	..
Tajikistan	2017	1,793	..	..	..	..	..	..	..	..
	2018	*2,745	..	..	..	..	..	..	..	..
	2019	3,519	..	..	..	..	..	..	..	..
	2020	*6,229	..	..	..	..	..	..	..	..
Thailand	2017	..	..	..	..	..	..	..	..	388
	2018	..	..	..	..	..	..	..	..	423
	2019	..	..	..	..	..	..	..	..	423
	2020	..	..	..	..	..	..	..	..	444
Türkiye	2017	43,301	..	..	..	..	..	14,157	77,875	35,295
	2018	41,613	..	..	..	..	..	15,900	81,810	36,718
	2019	42,991	..	..	..	..	..	17,623	81,810	34,583
	2020	45,601	..	..	..	..	..	21,651	81,810	35,295

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
Turkmenistan	2017	10,877	..	..	..	..	..	..	..	..
	2018	10,877	..	..	..	..	..	..	..	..
	2019	10,877	..	..	..	..	..	..	..	..
	2020	10,877	..	..	..	..	..	..	..	..
Uzbekistan	2017	*108,458	..	..	..	..	*12,575	..	..	..
	2018	*111,018	..	..	..	..	*10,489	..	..	..
	2019	*118,859	..	..	..	..	*14,975	..	..	..
	2020	133,726	..	..	..	..	*14,988	..	..	..
Viet Nam	2017	..	..	..	..	..	..	..	..	..
	2018	..	..	..	..	..	..	..	..	..
	2019	..	..	..	..	..	..	..	..	..
	2020	..	..	..	..	..	..	..	..	7
Europe	2017	8,019,177	45,700	1,875	26,579	65,330	43,260	427,367	24,183	93,870
	2018	8,112,198	50,401	2,304	25,956	63,117	44,850	439,923	24,842	99,947
	2019	7,871,035	50,903	2,499	25,647	69,484	44,298	434,064	26,805	101,092
	2020	7,605,501	48,686	2,852	25,012	43,959	46,550	429,067	25,741	104,328
Albania	2017	113	..	..	..	..	..	..	..	553
	2018	122	..	..	..	..	..	..	..	564
	2019	151	..	..	..	..	..	..	..	558
	2020	230	..	..	..	..	..	..	..	563
Austria	2017	87,886	591	93	..	89	..	..	514	7,536
	2018	83,290	573	93	..	93	30	..	473	7,472
	2019	82,904	470	91	..	91	384	..	476	7,393
	2020	83,277	515	91	..	71	435	..	493	7,520
Belarus	2017	253,365	..	..	..	..	..	..	..	..
	2018	260,497	..	..	..	..	..	..	..	..
	2019	247,488	..	..	..	..	..	..	..	..
	2020	243,739	..	..	..	..	..	..	..	..
Belgium	2017	22,016	51	..	..	11,272	..	..	..	1,002
	2018	24,092	53	..	..	10,288	..	..	..	1,096
	2019	20,590	56	..	..	9,901	..	..	..	1,089
	2020	20,295	68	..	..	9,970	..	..	..	1,129
Bosnia and Herzegovina	2017	5,793	..	..	..	..	..	..	..	..
	2018	5,759	..	..	..	..	..	..	..	..
	2019	5,571	..	..	..	..	..	..	..	..
	2020	5,850	..	..	..	..	..	..	..	..
Bulgaria	2017	41,627	..	..	696	1,844	..	..	1,450	983
	2018	35,433	..	..	718	1,818	..	..	1,450	1,044
	2019	35,920	..	..	660	2,217	..	..	1,470	1,092
	2020	36,055	..	..	548	2,426	..	..	1,495	1,147
Croatia	2017	12,430	..	..	..	..	..	..	345	538
	2018	12,698	..	..	..	..	..	..	320	584
	2019	13,182	..	..	..	..	..	..	301	647
	2020	13,851	..	..	..	..	..	..	303	684
Czechia	2017	120,551	..	..	908	322	101	1,070	..	731
	2018	115,419	..	..	864	706	109	1,135	..	753
	2019	113,717	..	..	853	669	125	1,027	..	767
	2020	110,303	..	..	787	595	116	1,160	..	789
Denmark	2017	128,886	76	1,733	..	..	1,138	3,774	..	597
	2018	127,276	55	2,157	..	..	1,490	4,074	..	603
	2019	123,591	34	2,347	..	..	1,979	4,325	..	611
	2020	116,642	23	2,663	..	..	4,162	4,632	..	611

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
Estonia	2017	24,304	..	..	..	..	..	..	..	..
	2018	24,889	..	..	..	..	..	..	..	..
	2019	21,958	..	..	..	..	..	..	..	..
	2020	21,318	..	..	..	..	..	..	..	..
Finland	2017	173,685	..	..	..	4,731	4,429	10,080	..	75
	2018	170,696	..	..	..	4,446	4,344	10,077	..	83
	2019	165,855	..	..	..	4,567	4,283	10,570	..	91
	2020	149,996	..	..	..	4,241	4,250	13,069	..	100
France	2017	161,221	5,613	..	..	..	527	3,641	1,681	7,207
	2018	150,439	5,986	..	..	..	982	3,278	1,681	7,583
	2019	156,139	6,481	..	..	..	1,322	4,437	1,681	7,843
	2020	152,867	6,751	..	..	..	1,360	4,016	1,681	8,145
Germany	2017	461,662	641	7	..	..	..	7,492	3,563	28,266
	2018	460,597	1,333	8	..	..	..	6,133	3,558	31,942
	2019	449,842	1,732	13	..	..	..	6,341	3,390	30,525
	2020	418,084	1,713	13	..	..	..	7,353	3,413	31,332
Greece	2017	2,137	..	..	..	..	..	..	370	11,365
	2018	2,167	..	..	..	..	..	..	371	11,607
	2019	2,203	..	..	..	..	..	..	432	11,968
	2020	2,199	..	..	..	..	..	..	235	12,272
Hungary	2017	45,569	2,749	..	637	..	..	2,588	2,588	493
	2018	43,148	2,570	..	620	..	..	2,641	2,761	527
	2019	41,801	2,864	..	585	..	81	3,069	2,832	560
	2020	42,508	2,772	..	504	..	165	2,626	2,609	627
Iceland	2017	65	34,743	..	..	..	797	..	1,920	..
	2018	18	38,530	..	..	..	933	..	1,920	..
	2019	16	37,959	..	..	..	950	..	1,909	..
	2020	17	35,517	..	..	..	950	..	2,018	..
Ireland	2017	..	..	..	..	..	..	..	..	529
	2018	..	..	..	..	..	..	..	..	567
	2019	..	..	..	..	..	..	..	..	573
	2020	..	..	..	..	..	..	..	..	591
Italy	2017	232,623	793	4	..	..	..	..	5,478	8,741
	2018	228,673	878	6	..	..	..	..	5,364	9,145
	2019	230,526	870	6	..	..	..	..	5,477	9,544
	2020	228,030	872	8	..	..	..	..	5,014	9,887
Kosovo	2017	45	..	..	..	..	772	..	..	14
	2018	45	..	..	..	..	787	..	..	15
	2019	28	..	..	..	..	830	..	..	16
	2020	16	..	..	..	..	961	..	..	16
Latvia	2017	29,983	..	..	..	..	6	12	..	..
	2018	29,682	..	..	..	..	6	..	..	..
	2019	28,604	..	3	..	..	5	..	..	..
	2020	27,006	..	40	..	..	4	..	..	..
Liechtenstein	2017	387	..	38	..	..	..	..	..	..
	2018	417	..	37	..	..	..	..	..	..
	2019	432	..	36	..	..	..	..	..	..
	2020	463	..	36	..	..	..	..	..	..
Lithuania	2017	34,957	15	..	..	11,765	9	..	..	..
	2018	34,623	..	..	..	11,272	9	..	..	..
	2019	31,735	..	..	..	11,034	9	..	..	..
	2020	29,752	..	..	..	8,160	7	..	..	..

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
Luxembourg	2017	2,759	..	0	..	..	..	..	..	91
	2018	3,115	..	0	..	..	..	..	..	97
	2019	4,033	..	0	..	..	..	..	..	101
	2020	5,646	..	0	..	..	..	..	..	107
Malta	2017	3	..	..	..	..	..	..	..	209
	2018	0	..	..	..	..	..	..	..	211
	2019	1	..	..	..	..	..	..	..	213
	2020	..	..	..	..	..	..	..	..	214
Netherlands	2017	114,478	..	..	..	8,279	..	1,506	3,047	1,139
	2018	101,130	..	..	..	8,046	..	1,115	3,731	1,156
	2019	104,791	..	..	..	9,032	..	..	5,564	1,180
	2020	94,296	..	..	..	12,586	..	..	6,185	1,176
North Macedonia	2017	2,419	..	..	..	..	..	..	198	..
	2018	2,245	..	..	..	..	..	..	190	..
	2019	2,057	..	..	..	..	..	..	187	..
	2020	2,533	..	..	..	..	..	..	181	..
Norway	2017	16,737	..	..	..	3,535	5,478	829	..	..
	2018	17,827	..	..	..	3,648	5,023	713	..	..
	2019	18,418	..	..	..	3,581	4,824	763	..	..
	2020	16,409	..	..	..	3,154	5,023	756	..	..
Poland	2017	299,016	..	..	..	659	5	78	946	2,280
	2018	294,097	..	..	..	457	5	115	991	2,383
	2019	286,234	..	..	..	528	3	286	1,050	3,009
	2020	285,225	..	..	..	456	5	189	1,073	3,355
Portugal	2017	19,101	..	..	..	..	..	..	65	3,683
	2018	20,180	..	..	..	..	..	..	73	3,953
	2019	20,927	..	..	..	..	..	..	72	4,033
	2020	20,546	..	..	..	..	..	..	55	4,216
Republic of Moldova	2017	10,251	..	..	..	..	..	..	..	..
	2018	10,658	..	..	..	..	..	..	..	..
	2019	9,670	..	..	..	..	..	..	..	..
	2020	9,365	..	..	..	..	..	..	..	..
Romania	2017	74,328	262	..	..	..	..	..	1,098	31
	2018	71,225	246	..	..	..	..	..	1,066	31
	2019	61,203	243	..	..	..	..	..	1,045	30
	2020	58,834	255	..	..	..	..	..	245	32
Russian Federation	2017	4,924,203	0	..	14,593	..	13,366	373,030	..	..
	2018	5,064,879	0	..	14,011	..	14,646	388,539	..	..
	2019	4,914,229	..	..	14,246	..	13,209	380,746	..	..
	2020	4,714,085	..	..	14,097	..	10,800	374,896	..	..
Serbia	2017	36,482	..	..	..	..	..	..	221	..
	2018	35,536	..	..	..	..	..	..	214	..
	2019	32,945	..	..	..	..	..	..	219	..
	2020	35,957	..	..	..	..	..	..	212	..
Slovakia	2017	35,434	148	1	2,096	..	95	7	63	272
	2018	29,113	159	2	1,917	..	107	17	58	297
	2019	29,079	175	2	1,882	..	119	14	58	316
	2020	28,617	181	2	1,848	..	78	16	30	334
Slovenia	2017	9,434	18	..	..	..	..	..	577	441
	2018	9,296	19	..	..	..	..	..	560	443
	2019	9,124	19	..	..	..	..	..	582	443
	2020	9,154	19	..	..	..	..	..	439	430

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
Spain	2017	..	..	..	..	..	..	..	8	11,942
	2018	..	..	..	..	..	..	..	8	12,563
	2019	..	..	..	..	..	..	..	8	13,170
	2020	..	..	..	..	..	..	..	8	13,716
Sweden	2017	173,473	..	..	..	..	16,434	21,996	..	464
	2018	173,343	..	..	..	..	16,366	20,707	..	457
	2019	170,111	..	..	..	..	16,175	21,301	..	446
	2020	154,890	..	..	..	..	18,191	20,354	..	436
Switzerland	2017	20,698	..	..	1,320	..	102	..	17	2,508
	2018	20,431	..	..	1,350	..	13	..	18	2,565
	2019	22,532	..	..	1,380	..	..	..	18	2,642
	2020	22,249	..	..	1,420	..	..	..	17	2,659
Ukraine	2017	374,362	..	..	6,329	22,833	..	1,263	..	..
	2018	381,170	..	..	6,476	22,342	..	1,379	..	..
	2019	346,992	..	..	6,041	27,865	..	1,185	..	..
	2020	378,863	..	..	5,809	2,300	45	..	..	..
United Kingdom	2017	66,695	..	..	..	..	..	..	34	2,179
	2018	67,971	..	..	..	..	..	..	34	2,208
	2019	66,436	..	..	..	..	..	..	34	2,232
	2020	66,334	..	..	..	..	..	..	34	2,237
Latin America & Carib.	2017	..	..	..	..	..	..	..	102	14,352
	2018	..	..	..	..	..	..	..	102	16,433
	2019	..	..	..	..	..	..	..	102	18,197
	2020	..	..	..	..	..	..	..	102	20,714
Chile	2017	..	..	..	..	..	..	..	..	2,082
	2018	..	..	..	..	..	..	..	..	2,465
	2019	..	..	..	..	..	..	..	..	2,919
	2020	..	..	..	..	..	..	..	..	2,919
Ecuador	2017	..	..	..	..	..	..	..	*102	..
	2018	..	..	..	..	..	..	..	*102	..
	2019	..	..	..	..	..	..	..	*102	..
	2020	..	..	..	..	..	..	..	*102	..
Mexico	2017	..	..	..	..	..	..	..	..	10,888
	2018	..	..	..	..	..	..	..	..	12,531
	2019	..	..	..	..	..	..	..	..	13,796
	2020	..	..	..	..	..	..	..	..	16,280
Peru	2017	..	..	..	..	..	..	..	..	1,382
	2018	..	..	..	..	..	..	..	..	1,436
	2019	..	..	..	..	..	..	..	..	1,482
	2020	..	..	..	..	..	..	..	..	1,515
Northern America	2017	470,248	..	..	..	..	576	..	11,108	79,247
	2018	503,148	..	..	..	..	576	..	43,934	105,911
	2019	485,565	..	..	..	..	576	..	14,096	114,732
	2020	476,853	..	..	..	..	600	..	13,057	117,616
Canada	2017	19,294	..	..	..	..	..	..	..	1,797
	2018	25,201	..	..	..	..	..	..	..	1,810
	2019	22,487	..	..	..	..	..	..	..	1,810
	2020	18,821	..	..	..	..	..	..	..	1,782
Greenland	2017	*625	..	..	..	..	*576	..	..	..
	2018	*625	..	..	..	..	*576	..	..	..
	2019	*625	..	..	..	..	*576	..	..	..
	2020	*700	..	..	..	..	*600	..	..	..

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
St. Pierre-Miquelon	2017	..	..	..	..	..	..	..	..	..
	2018	..	..	..	..	..	..	..	..	..
	2019	32	..	..	..	..	..	..	..	..
	2020	36	..	..	..	..	..	..	..	..
United States	2017	450,328	..	..	..	..	..	..	11,108	77,450
	2018	477,322	..	..	..	..	..	..	43,934	104,101
	2019	462,421	..	..	..	..	..	..	14,096	112,922
	2020	457,296	..	..	..	..	..	..	13,057	115,834
Oceania	2017	..	..	..	..	..	..	1,193	8,097	16,298
	2018	..	..	..	..	..	..	1,267	7,916	17,162
	2019	..	..	..	..	..	..	1,167	7,940	18,096
	2020	..	..	..	..	..	..	1,016	7,770	19,052
Australia	2017	..	..	..	..	..	..	..	..	15,698
	2018	..	..	..	..	..	..	..	..	16,560
	2019	..	..	..	..	..	..	..	..	17,493
	2020	..	..	..	..	..	..	..	..	18,449
French Polynesia	2017	..	..	..	..	..	..	..	..	76
	2018	..	..	..	..	..	..	..	..	78
	2019	..	..	..	..	..	..	..	..	80
	2020	..	..	..	..	..	..	..	..	80
New Caledonia	2017	..	..	..	..	..	..	..	..	141
	2018	..	..	..	..	..	..	..	..	141
	2019	..	..	..	..	..	..	..	..	141
	2020	..	..	..	..	..	..	..	..	141
New Zealand	2017	..	..	..	..	..	..	1,193	8,097	364
	2018	..	..	..	..	..	..	1,267	7,916	364
	2019	..	..	..	..	..	..	1,167	7,940	364
	2020	..	..	..	..	..	..	1,016	7,770	364
Niue	2017	..	..	..	..	..	..	..	..	*16
	2018	..	..	..	..	..	..	..	..	*16
	2019	..	..	..	..	..	..	..	..	*16
	2020	..	..	..	..	..	..	..	..	*16
Samoa	2017	..	..	..	..	..	..	..	..	*3
	2018	..	..	..	..	..	..	..	..	*3
	2019	..	..	..	..	..	..	..	..	*3
	2020	..	..	..	..	..	..	..	..	*3

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 2020: Resources, Production and Demand*, OECD Publishing, available at https://www.oecd-nea.org/upload/docs/application/pdf/2020-12/7555_uranium_-_resources_production_and_demand_2020_web.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	2017	2018	2019	2020
World	59,717	53,503	54,777	47,740
Africa	8,017	8,781	8,804	8,655
Malawi	0	0	0	0
Namibia	4,224	5,525	5,476	5,413
Niger	3,485	2,910	2,982	*2,992
South Africa	308	346	346	250
Northern America	14,056	7,583	6,996	3,891
Canada	13,116	7,001	6,938	3,885
United States	940	582	58	6
Latin America & Carib.	0	0	0	20
Brazil	0	0	0	20
Asia	28,186	26,533	28,617	25,378
China	1,885	1,885	1,885	1,885
India	421	423	308	400
Iran (Islamic Rep. of)	40	71	71	71
Kazakhstan	23,391	21,705	22,808	19,477
Pakistan	45	45	45	45
Uzbekistan	2,404	2,404	3,500	3,500
Europe	3,576	4,089	3,747	3,593
Czechia	70	0	0	0
France	2	0	2	0
Germany	34	0	30	0
Hungary	3	5	3	*3
Romania	0	0	0	0
Russian Federation	2,917	2,904	2,911	2,846
Ukraine	550	1,180	801	744
Oceania	5,882	6,517	6,613	6,203
Australia	5,882	6,517	6,613	6,203

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/>.

These sources are complemented with data from BP, Statistical Review of World Energy 2022, available at <https://www.bp.com/en/global/corporate/energy-economics/statistical-review-of-world-energy.html>.

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	..	..	..	..	..	..

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	1,050	..	..	74	..	..	150,000
50	332	342	..	57	..	8,600	11,000	354,000
..	*18	..	..	44	..	..	..	22,000
..	3,471	263	4,531	..	..	1,174,000	558,700	265,000
..	*10	*7	1	..	..	..	..	150,000
..	1,148	959	..	..	20	..	..	44,000
..	172	*15	..	..	..	..	..	..
*138	232	*4	..	..	..	..	..	4,000
..	0	0	..	..	..	..	..	..
1,479	*3	*27	1,000	..	..	..	..	8,000
..	0	..	..	..	..	..	..	1,000
..	..	0	..	..	..	..	..	1,000
..	*1	*1	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	263,000
..	281	*22	..	..	..	..	..	178,000
..	..	..	..	..	..	..	..	70,000
..
487	424	1,733	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	27,060	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	3,542	47,600	..	120	120,000	56,600	6,083,000
..	135	294	..	..	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	..	5	1,400	1,300	1,397,000
..	31	57	..	..	..	..	..	120
..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	..	50,000
..	*11	191	..	..	7	..	..	169,000
..	1,846	413	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	..	..

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	603	..	..	77,000	27,900	2,638,000
..	2,839	337	..	67	8,400	2,200	2,147,000
..	34,020	*21,433	..	..	700	1,800	448,000
..	3,694	19,571	..	..	..	..	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	358	..	..	..	..	230,000
..	..	..	..	..	..	..	12,000
..	*28	*3	..	..	..	..	..
..	..	..	..	..	..	..	150
..	324	864	..	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	4,978	..	91	..	..	43,000
..	..	..	..	..	..	..	9,000
7,015	1,857	*994	..	..	..	..	600,000
..	688	729	..	..	..	..	..
..	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	..	..	..	..	..	..	..	..
Türkiye	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	..	..	..	..

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	88	..	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	2,646	..	..	..	..	..	..
..	..	..	..	..	..	..	..	2,000
10	110	80	..	1	3,100	3,600	..	70,000
168,320	32,271	14,768	35,470	4,518	216,500	432,000	..	2,295,000
2,000	*57	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	140
..	8,325	40,869	..	..	..	..	..	..
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	30	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	333	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	48,035	..	9,212	..	..	..	731,000
..	617	*599	..	..	1,000	5,400	..	300,000
..	266	393	..	..	..	..	..	..
..	..	..	..	..	9,900	5,700	..	53,000
..	..	..	..	..	1,400	..	..	44,000