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Department of Economic and Social Affairs

2020

Electricity Profiles



Department of Economic and Social Affairs
Statistics Division

2020

Electricity Profiles



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Department of Economic and Social Affairs

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Statistics compiled as of December 2022

INTRODUCTION

The *Electricity Profiles 2020* provides detailed information on production, trade and consumption of electricity, on net installed capacity and thermal power plant inputs and efficiency for 224 countries and areas on an internationally comparable basis, for the years 2015-2020. It is published by the United Nations Statistics Division with the aim of providing an overall picture of the electricity sector of such countries and areas.

This is the ninth issue of *Electricity Profiles* as a stand-alone publication, whereas until the 2011 edition it was part of the series *Energy Balances and Electricity Profiles*. The series was split in two and in addition to the *Electricity Profiles* a sister publication, the *Energy Balances*, is released.

This split followed the incorporation of the standards brought about by the *International Recommendations for Energy Statistics*¹ (IRES). IRES, in its draft form, was endorsed in 2011 by the United Nations Statistical Commission. Previously, energy statistics published by the Statistics Division followed the format described in detail in the technical report entitled *Concepts and Methods in Energy Statistics, with Special Reference to Energy Accounts and Balances*² and also discussed in the publication *Energy Statistics: A Manual for Developing Countries*.³

Electricity production and electric installed capacity are disaggregated by source, as coming from Combustible fuels, Hydro, Nuclear and Other sources; and by type of producer, whether from main activity producers or autoproducers. The latter is given implicitly as the difference between Total production/capacity and Main activity production/capacity.

Thermal power plant inputs are listed by energy product, together with the total output, which are used together to calculate the overall efficiency of electricity production from combustible fuels (displayed at the bottom). Up to ten main products (by input contribution in the latest year available) are displayed and then listed alphabetically, with the remaining ones, if any, aggregated in the category Others.

More detailed disaggregation of electricity capacity and production is published in the *Energy Statistics Yearbook*, where wind and solar are identified separately as electricity sources rather than in the category Other.

The information contained in this publication is also available in electronic format.⁴ 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 Cooperation 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 were carried out by Ms. Agnieszka Koscielniak, Ms. Costanza Giovannelli, Ms. Peng Guo, Mr. Man Soni, 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.

¹ Available at unstats.un.org/unsd/energystats/methodology/ires/

² Statistical Papers, Series F, No. 29 (United Nations publication, Sales No.E.82.XVII.13).

³ Statistical Papers, Series F, No. 56 (United Nations publication, Sales No.E.91.XVII.10).

⁴ For details, see unstats.un.org/unsd/energystats/pubs/eprofiles/

CONCEPTS AND DEFINITIONS

The electricity profiles intend to provide an overall picture of the electricity sector in countries and areas on a comparable basis. As such, a simplified approach is taken, where for production and capacity the three main electricity sources (or production processes) are singled out; namely, combustible fuels, hydro and nuclear; while the remaining electricity production processes (mostly renewable) are aggregated in the category Other. Detailed information on each source for the same countries and areas is available from the United Nations Energy Statistics Database.⁵

Each electricity profile is divided into three blocks, which are listed below and described in detail next:

- The top block on electricity production, trade and consumption;
- The middle block on net installed capacity; and
- The bottom block on combustible fuel input, output and efficiency.

Top block – Electricity production, trade and consumption

Electricity is defined in energy statistics as 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** (or electricity generation) in the electricity profiles 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.

The different types of technology/processes for the generation of electricity are defined as follows.

Electricity from **combustible fuels** refers to the production of electricity from the combustion of fuels which are capable of igniting or burning, i.e. reacting with oxygen to produce a significant rise in temperature.

Hydro electricity refers to electricity produced from devices driven by fresh, flowing or falling water.

Nuclear electricity refers to electricity generated by nuclear plants.

Other electricity includes all other processes, which are described below.

- Solar Electricity refers to electricity produced from solar photovoltaics, i.e. by the direct conversion of solar radiation through photovoltaic processes in semiconductor devices (solar cells), including concentrating photovoltaic systems; as well as electricity produced from solar thermal heat (both concentrating and non-concentrating).

- Heat from concentrating solar thermal refers to high temperature heat produced from solar radiation captured by concentrating solar thermal systems. Heat from non-concentrating solar thermal refers to low temperature heat produced from solar radiation captured by non-concentrating solar thermal systems.

- Wind electricity refers to electricity produced from devices driven by wind.

- Wave electricity refers to electricity produced from devices driven by the motion of waves.

- Tidal electricity refers to electricity generated from devices driven by tidal currents or the differences of water level caused by tides.

- Other marine electricity refers to electricity generated from devices which exploit sources of marine energy not elsewhere specified. Examples of sources are non-tidal currents, temperature differences and salinity gradients in seas or salinity differences between sea and fresh water.

- Geothermal electricity refers to the electricity generated from the heat from geothermal sources.

⁵ <http://data.un.org/Explorer.aspx?d=EDATA>

CONCEPTS AND DEFINITIONS

- Electricity generated from chemical heat, which refers to recovered heat generated in the chemical industry by exothermic reactions other than combustion.

- Electricity from other sources not elsewhere specified.

As regards the type of producer, both for electricity production and for net installed capacity, a distinction is made between main activity producers and autoproducers, as defined below:

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

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

In the *Electricity Profiles*, autoproducer figures are not provided explicitly, but can be easily derived as the difference between total producers and main activity producers.

Own use in electricity, CHP and heat plants refers to consumption of electricity for the direct support of electricity, CHP and heat plants. It includes consumption by station auxiliaries, and losses in transformers which are considered as integral parts of the electric energy, CHP or heat generating plants.

- **Electricity plants** refer to plants producing only electricity.

- **CHP plants** (Combined Heat and Power) refer to plants which produce both heat and electricity from at least one generating unit in the plant. They are sometimes referred to as “co-generation” plants.

- **Heat plants** refer to plants (including heat pumps and electric boilers) designed to produce heat only, for deliveries to third parties.

Net production is (gross) production minus own use in electricity, CHP and heat plants. It is equivalent to the electricity sent out from the plants that is

available to the network or ready for use in the premises in the case of autoproducers.

Imports comprise all electricity entering the national territory.

Exports comprise all electricity leaving the national territory.

For electricity, as an exception to general energy statistics, trade data include 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.

Losses refer to losses during the transmission and distribution of electricity. Losses also include pilferage of electricity (sometimes referred to as non-technical losses).

Consumption in the *Electricity Profiles* refers to **Energy industries own use** and **Final consumption**.

Energy industries own use refers to consumption of electricity for the direct support of the production, and preparation for use of fuels and energy. Quantities which are used for transportation purposes in the energy industry are not included here, but in Consumption by transport. Quantities used for pumped storage are included here.

Note that pumped storage plants are plants where electricity is used during periods of lower demand to pump water into reservoirs for subsequent release and electricity generation during periods of higher demand. Less electricity is eventually produced than is consumed to pump the water into the higher reservoir.

In general energy statistics, Own use in electricity, CHP and heat plants is part of Energy industries own use, but it is displayed apart in this publication so that Net production can be derived.

Final consumption refers to the consumption of electricity by Manufacturing, construction and non-fuel mining, by Transport, and by households and other

CONCEPTS AND DEFINITIONS

consumers (non-energy use being irrelevant for electricity).

By industry and construction refers to final electricity consumption by manufacturing, construction and non-fuel mining industries. The final consumption recorded under this category covers the use of electricity by economic units belonging to the industry groups listed below (excluding the use of energy products for transport, which is recorded under Transport in its respective row).

- 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
- Industries, not elsewhere specified

By transport refers to the consumption of electricity by any economic entity to transport goods or persons between points of departure and destination within the national territory.

By households and other consumers: This group consists of energy consumers not classified in Manufacturing, construction and non-fuel mining industries, and consists of the following subgroups:

- Agriculture, Forestry, Fishing
- Commerce and public services
- Households
- Not elsewhere specified

Middle block – Net installed capacity

Net installed capacity refers to the Net maximum electrical capacity, which 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, but 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.

As mentioned for electricity production, a distinction is made between main activity producers and autoproducers. In the *Electricity Profiles*, autoproducer figures are not provided explicitly, but can be easily derived as the difference between total producers and main activity producers.

Bottom block – Combustible fuel input, output and efficiency

As defined in the section about the top block, electricity from **combustible fuels** refers to the production of electricity from the combustion of fuels which are capable of igniting or burning, i.e. reacting with oxygen to produce a significant rise in temperature.

Therefore, for some countries and areas this block may be empty if such processes are not utilized in the country or area in question.

Combustible fuel input is the energy content (in Terajoules) of those fuels which are combusted to generate electricity. This input is broken down by fuel (as applicable) and is calculated from the fuel quantities expressed in their original units (e.g., thousand metric tons) through the application of conversion factors.

Up to 10 fuels (by input contribution in the latest year available) are displayed alphabetically, with the remaining ones, if any, aggregated in the category Others.

Total input is the total aggregate of combustible fuel input.

CONCEPTS AND DEFINITIONS

Total production is the total electricity production from combustible fuels (both main activity and autoproducers), expressed in Terajoules by using the equivalence: 1 GWh = 3.6 Terajoules.

The **estimated efficiency** (of total electricity generation from combustible fuels) is calculated by dividing the Total production by the Total input. It gives an idea of how much energy from the fuels is converted into electricity on average in the electricity and CHP plants in the country or area.

It is important to note that the formula considers all inputs to CHP plants but only the electricity output from these plants and not the heat generated, so the calculated efficiency should be used with caution to compare countries with differing levels of CHP generation (and these levels are not apparent from this publication).

For ease of reference, the table below displays typical efficiencies for electricity and CHP plants for the main types of fuel used as input.

Generation process	Typical plant efficiency
Electricity plants	
Coal	32-40%
Oil	35-40%
Natural gas	45-55%
Biomass	20-30%
CHP plants	
Coal	50-75%
Oil	50-75%
Natural gas	60-90%
Biomass	60-85%

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols have been used in the publication:

CHP	Combined Heat and Power
GCV	Gross Calorific Value
GJ	gigajoule (10^9 joules)
GWh	gigawatt-hour (10^6 kWh)
IRES	International Recommendations for Energy Statistics
kcal	kilocalorie
kg	kilogramme
kJ	kilojoule (10^3 joules)
kWh	kilowatt-hour
NCV	Net Calorific Value
t	metric ton
TJ	terajoule (10^{12} joules)
UNSD	United Nations Statistics Division
*	estimate by the United Nations Statistics Division
..	data not applicable or not available

ELECTRICITY PROFILES

Statistics on electricity

Afghanistan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1339	1394	1420	1266	1592	1337
Combustible fuels	149	155	176	200	183	124
Hydro	1190	1239	1244	1066	1388	1181
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	21	32
Main activity	1034	1076	1098	979	1286	1031
Combustible fuels	144	150	168	193	177	118
Hydro	890	927	930	786	1088	881
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	21	32
Own use in electricity, CHP and heat plants	*55	*55	*55	*55	*55	*55
Net production	1284	1339	1365	1211	1537	1282
Imports	3779	4333	4611	4986	4912	5152
Exports	..	..	..	..	..	..
Losses	*522	*590	*615	*640	*670	*670
Consumption	*4540	*5080	*5357	*5552	*5777	*5760
Energy industries own use	..	..	..	..	..	..
By industry and construction	*1220	*1310	*1390	*1460	*1510	*1320
By transport	..	..	..	..	..	..
By households and other cons.	*3320	*3770	*3967	*4092	*4267	*4440
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	519	*519	*519	*519	*531	*537
Combustible fuels	*135	*135	*135	*135	*135	*135
Hydro	384	*384	*384	*384	*384	*384
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*12	*18
Main activity	324	*324	*324	*324	*336	*342
Combustible fuels	*70	*70	*70	*70	*70	*70
Hydro	254	*254	*254	*254	*254	*254
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*12	*18
Combustible fuel input	Terajoules					
Hard Coal	*1264	*1290	*1367	*1445	*1238	*439
Gas-diesel oil	*645	*860	*860	*1402	*1634	*1720
Fuel oil	*40	*40	40	*40	*40	*40
Total input	*1950	*2190	*2268	*2887	*2913	*2199
Total production	537	557	635	720	658	447
Estimated efficiency (% of production to input)	28	25	28	25	23	20

Statistics on electricity

Albania

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5895	7136	4526	8552	5206	5313
Combustible fuels	..	..	..	..	..	..
Hydro	5895	7136	4526	8552	5184	5281
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	22	32
Main activity	5895	7136	4526	8552	5206	5313
Combustible fuels	..	..	..	..	..	..
Hydro	5895	7136	4526	8552	5184	5281
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	22	32
Own use in electricity, CHP and heat plants	29	0	28	45	29	26
Net production	5866	7136	4498	8507	5177	5288
Imports	2355	1827	2915	850	3177	3239
Exports	956	1869	0	1764	770	963
Losses	1250	1986	1276	1156	1082	933
Consumption	6015	5237	6135	6199	6379	6652
Energy industries own use	118	141	179	115	200	340
By industry and construction	1245	1272	1255	1316	1357	1365
By transport	..	..	..	..	..	..
By households and other cons.	4652	3823	4701	4769	4822	4947
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1922	1925	2172	2229	2361	2401
Combustible fuels	123	*123	123	123	123	123
Hydro	1799	1801	2048	2105	2223	2260
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	15	18
Main activity	1897	1900	2147	2204	2336	2376
Combustible fuels	98	*98	98	98	98	98
Hydro	1799	1801	2048	2105	2223	2260
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	15	18
Combustible fuel input	Terajoules					
Refinery gas	0	0	0	0	0	0
Other oil products	0	0	0	..	..	..
Total input	0	0	0	0	0	0
Total production	..	..	..	..	..	..
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Algeria

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	68903	71092	76018	76662	81533	79155
Combustible fuels	68576	70661	75383	75880	80691	78433
Hydro	*145	*72	*56	*117	*152	50
Nuclear	..	..	..	..	..	..
Other	*181	*359	*579	*665	*690	673
Main activity	64768	66328	70898	71225	76025	73838
Combustible fuels	64441	65897	70263	70443	75183	73115
Hydro	*145	*72	*56	*117	*152	50
Nuclear	..	..	..	..	..	..
Other	*181	*359	*579	*665	*690	673
Own use in electricity, CHP and heat plants	6691	7060	7473	7700	8199	8938
Net production	62212	64032	68545	68962	73334	70217
Imports	610	257	537	506	531	513
Exports	641	507	880	597	673	574
Losses	11196	10682	10869	9904	9897	8980
Consumption	50985	53100	57333	58966	63296	61176
Energy industries own use	832	812	957	813	1112	788
By industry and construction	17441	18574	20181	20669	21941	21922
By transport	974	1014	1069	1173	1236	1678
By households and other cons.	31738	32700	35126	36311	39007	36788
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	17273	19031	19555	21166	*21653	*21653
Combustible fuels	16961	18549	18892	20480	*20967	*20967
Hydro	228	228	228	228	228	*228
Nuclear	..	..	..	..	..	..
Other	84	254	435	458	458	*458
Main activity	12959	14717	15241	15087	*15086	*15086
Combustible fuels	12647	14235	14578	14401	*14400	*14400
Hydro	228	228	228	228	228	*228
Nuclear	..	..	..	..	..	..
Other	84	254	435	458	458	*458
Combustible fuel input	Terajoules					
Gas-diesel oil	18103	17544	9761	9469	9288	8609
Natural gas	701791	680994	722981	740892	756929	750370
Total input	719894	698538	732742	750361	766217	758979
Total production	246874	254380	271379	273168	290488	282357
Estimated efficiency (% of production to input)	34	36	37	36	38	37

Statistics on electricity

American Samoa

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	161	170	167	*168	*169	*171
Combustible fuels	159	167	162	*163	*164	*166
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	3	5	5	*5	*5
Main activity	161	170	167	*168	*169	*171
Combustible fuels	159	167	162	*163	*164	*166
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	3	5	5	*5	*5
Own use in electricity, CHP and heat plants	7	8	8	*8	*10	*9
Net production	154	161	159	*161	*159	*161
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	13	14	11	*12	*14	*14
Consumption	141	147	*148	*149	*146	*147
Energy industries own use	..	..	..	..	..	..
By industry and construction	22	32	*30	*32	*30	*25
By transport	..	..	..	..	..	..
By households and other cons.	119	115	*118	*117	*115	*123
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	44	46	46	47	47	*47
Combustible fuels	42	42	42	42	42	*42
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	4	4	5	5	5
Main activity	44	46	46	47	47	*47
Combustible fuels	42	42	42	42	42	*42
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	4	4	5	5	5
Combustible fuel input	Terajoules					
Gas-diesel oil	*1574	*1694	*1604	*1634	*1634	*1593
Total input	*1574	*1694	*1604	*1634	*1634	*1593
Total production	572	600	583	*588	*592	*596
Estimated efficiency (% of production to input)	36	35	36	36	36	37

Statistics on electricity

Andorra

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	100	99	103	135	107	132
Combustible fuels	14	14	17	20	21	17
Hydro	86	84	85	114	85	113
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	2	*2
Main activity	100	99	103	135	107	132
Combustible fuels	14	14	17	20	21	17
Hydro	86	84	85	114	85	113
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	2	*2
Own use in electricity, CHP and heat plants	0	0	0	1	0	0
Net production	99	99	103	134	107	132
Imports	471	485	470	439	456	*396
Exports	0	0	0	0	0	0
Losses	68	67	67	68	66	54
Consumption	484	491	486	492	490	447
Energy industries own use	..	..	..	..	..	..
By industry and construction	8	8	8	11	17	15
By transport	..	..	..	..	..	..
By households and other cons.	476	483	478	482	473	432
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	51	51	51	52	53	54
Combustible fuels	5	5	5	5	5	5
Hydro	46	46	46	46	46	46
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	2	3
Main activity	51	51	51	52	53	54
Combustible fuels	5	5	5	5	5	5
Hydro	46	46	46	46	46	46
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	2	3
Combustible fuel input	Terajoules					
Municipal waste	*248	*255	*306	*366	*377	*342
Total input	*248	*255	*306	*366	*377	*342
Total production	50	51	61	73	75	63
Estimated efficiency (% of production to input)	20	20	20	20	20	18

Statistics on electricity

Angola

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9783	10379	10737	12869	15474	16400
Combustible fuels	4572	4546	3066	3058	4582	4428
Hydro	5193	5815	7653	9793	10874	11954
Nuclear	..	..	..	..	..	..
Other	18	18	18	18	18	18
Main activity	9221	9783	10307	12448	15056	16005
Combustible fuels	4010	3950	2636	2637	4165	4033
Hydro	5193	5815	7653	9793	10874	11954
Nuclear	..	..	..	..	..	..
Other	18	18	18	18	18	18
Own use in electricity, CHP and heat plants	259	274	283	346	400	405
Net production	9524	10105	10454	12523	15074	15995
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1100	1167	1207	1447	1741	*1845
Consumption	8424	8938	9247	11076	13333	*14132
Energy industries own use	..	..	..	..	..	..
By industry and construction	2840	3013	3117	3727	4495	*4764
By transport	..	..	..	..	..	..
By households and other cons.	5584	5925	6130	7349	8839	*9368
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*2546	*2886	*4422	5010	*6156	7252
Combustible fuels	*1091	*1284	*2067	*2298	*3444	*3510
Hydro	*1442	*1589	*2342	2699	2699	3729
Nuclear	..	..	..	..	..	..
Other	13	13	13	13	13	13
Main activity	*2362	*2669	*4172	4760	*5856	6942
Combustible fuels	*907	*1067	*1817	*2048	*3144	*3200
Hydro	*1442	*1589	*2342	2699	2699	3729
Nuclear	..	..	..	..	..	..
Other	13	13	13	13	13	13
Combustible fuel input	Terajoules					
Gas-diesel oil	*42398	*39345	*25499	*23951	18256	11412
Fuel oil	1697	2343	1535	3208	2440	*3030
Natural gas	..	..	361	867	14783	*14823
Bagasse	502	*463	*541	*579	*618	*618
Total input	*44597	*42152	*27936	*28605	36097	*29883
Total production	16459	16366	11038	11009	16496	15941
Estimated efficiency (% of production to input)	37	39	40	38	46	53

Statistics on electricity

Anguilla

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	95	105	82	83	100	90
Combustible fuels	94	103	80	81	97	88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	3	*3
Main activity	95	105	82	83	100	90
Combustible fuels	94	103	80	81	97	88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	3	*3
Own use in electricity, CHP and heat plants	4	5	5	5	6	6
Net production	92	100	77	78	94	85
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	10	9	*5	*4	*5	*4
Consumption	*81	*91	*72	*74	*88	*80
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*81	*91	*72	*74	*88	*80
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	34	35	26	25	26	*26
Combustible fuels	33	33	24	24	24	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	1	2	2
Main activity	34	35	26	25	26	*26
Combustible fuels	33	33	24	24	24	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	1	2	2
Combustible fuel input	Terajoules					
Gas-diesel oil	860	*925	*808	*839	*989	*946
Total input	860	*925	*808	*839	*989	*946
Total production	339	371	286	290	349	316
Estimated efficiency (% of production to input)	39	40	35	35	35	33

Statistics on electricity

Antigua and Barbuda

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*347	*353	*353	362	358	344
Combustible fuels	*340	*344	*344	349	345	330
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	9	9	13	13	*13
Main activity	*346	*352	*352	361	357	343
Combustible fuels	*339	*343	*343	348	344	329
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	9	9	13	13	*13
Own use in electricity, CHP and heat plants	*10	*13	*8	7	7	7
Net production	*337	*340	*345	355	351	337
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*87	*87	*90	*55	47	35
Consumption	*250	*253	*255	*300	*305	307
Energy industries own use	..	..	..	..	..	..
By industry and construction	*10	*9	*8	*8	*6	6
By transport	..	..	..	..	..	..
By households and other cons.	*240	*244	*247	*292	*299	301
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*117	*117	*119	91	90	88
Combustible fuels	*111	*111	*113	82	79	79
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	6	9	10	9
Main activity	*116	*116	*118	90	89	87
Combustible fuels	*110	*110	*112	81	78	78
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	6	9	10	9
Combustible fuel input	Terajoules					
Fuel oil	*3798	*3878	*3878	*3919	*4000	*3838
Total input	*3798	*3878	*3878	*3919	*4000	*3838
Total production	*1224	*1238	*1238	1256	1243	1190
Estimated efficiency (% of production to input)	32	32	32	32	31	31

Statistics on electricity

Argentina

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	145363	146353	145618	152224	145990	144924
Combustible fuels	96159	99479	97257	102820	95389	99199
Hydro	41451	38028	41645	41430	36878	24262
Nuclear	7139	*8285	6088	6453	7927	10707
Other	614	561	628	1521	5796	10757
Main activity	131402	131526	130874	137480	131246	131139
Combustible fuels	82225	84698	82559	88122	80691	85456
Hydro	41424	37982	41599	41384	36832	24220
Nuclear	7139	*8285	6088	6453	7927	10707
Other	614	561	628	1521	5796	10757
Own use in electricity, CHP and heat plants	3869	3865	3696	3917	3732	4123
Net production	141494	142488	141922	148307	142258	140801
Imports	10320	11078	10529	10030	10946	7802
Exports	55	327	69	280	261	3089
Losses	22061	23994	22981	23672	20862	20740
Consumption	129700	129246	129402	129145	126020	125058
Energy industries own use	578	465	401	401	401	536
By industry and construction	52281	50466	50374	50751	49888	50649
By transport	566	546	660	544	528	314
By households and other cons.	76275	77769	77967	77449	75203	73559
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	37593	37430	39764	42128	43272	45565
Combustible fuels	25541	25314	26510	28122	28137	29062
Hydro	10063	10127	11262	11308	11330	11364
Nuclear	1763	1763	1755	1755	1755	1755
Other	226	226	237	943	2050	3384
Main activity	33947	33816	36150	38514	39658	41951
Combustible fuels	21917	21722	22918	24530	24545	25470
Hydro	10043	10107	11242	11288	11310	11344
Nuclear	1763	1763	1755	1755	1755	1755
Other	224	224	235	941	2048	3382
Combustible fuel input	Terajoules					
Hard Coal	27825	21219	19386	19658	7366	14256
Gas-diesel oil	84366	89225	53922	34873	17673	32865
Fuel oil	122493	113241	58216	29128	13978	29477
Liquefied petroleum gas	0	0	..	..	..	..
Refinery gas	3515	2376	2673	2624	2723	3272
Natural gas	585550	625835	699685	659367	595249	533824
Coke-oven gas	435	427	460	462	504	1881
Blast furnace gas	5398	4430	2143	2143	2226	5601
Fuelwood	7665	8168	8320	6900	18050	18117
Bagasse	5429	5328	5869	5892	6039	16045
Total input	842675	870249	850674	761046	663808	655338
Total production	346172	358124	350125	370152	343400	357116
Estimated efficiency (% of production to input)	41	41	41	49	52	54

Statistics on electricity

Armenia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7799	7315	7765	7791	7680	7839
Combustible fuels	2801	2581	2872	3376	3047	3166
Hydro	2206	2350	2269	2318	2371	1778
Nuclear	2788	2381	2620	2076	2198	2756
Other	4	3	5	21	64	138
Main activity	7799	7315	7763	7777	7632	7723
Combustible fuels	2801	2581	2872	3376	3047	3166
Hydro	2206	2350	2269	2318	2371	1778
Nuclear	2788	2381	2620	2076	2198	2756
Other	4	3	2	7	17	23
Own use in electricity, CHP and heat plants	369	327	354	354	334	370
Net production	7430	6988	7412	7437	7346	7468
Imports	174	275	319	204	293	320
Exports	1424	1229	1440	1627	1251	1333
Losses	812	706	668	611	548	565
Consumption	5372	5334	5623	5403	5839	5890
Energy industries own use	..	..	..	..	..	..
By industry and construction	1577	1631	1655	1491	1556	1648
By transport	105	106	102	96	102	89
By households and other cons.	3690	3597	3867	3815	4182	4153
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3538	3564	3582	3591	3621	3687
Combustible fuels	1840	1840	1840	1827	1827	1832
Hydro	1286	1312	1327	1336	1340	1350
Nuclear	408	408	408	408	408	408
Other	4	4	7	21	47	98
Main activity	3538	3564	3580	3581	3588	3610
Combustible fuels	1840	1840	1840	1827	1827	1832
Hydro	1286	1312	1327	1336	1340	1350
Nuclear	408	408	408	408	408	408
Other	4	4	5	11	14	21
Combustible fuel input	Terajoules					
Natural gas	25191	23231	24537	29391	26805	28201
Total input	25191	23231	24537	29391	26805	28201
Total production	10084	9292	10338	12152	10969	11396
Estimated efficiency (% of production to input)	40	40	42	41	41	40

Statistics on electricity

Aruba

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*932	*947	*978	*991	*997	*1001
Combustible fuels	*793	*802	*835	*808	*822	*825
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*138	*145	*144	*183	*175	*176
Main activity	*932	*947	*978	*991	*997	*1001
Combustible fuels	*793	*802	*835	*808	*822	*825
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*138	*145	*144	*183	*175	*176
Own use in electricity, CHP and heat plants	0	0	0	*8	*10	*6
Net production	*932	*947	*978	*983	*987	*995
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	153	*158	*165	*166	*158	*155
Consumption	*778	*789	*813	*817	*829	*840
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*778	*789	*813	*817	*829	*840
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	288	288	288	295	295	295
Combustible fuels	258	258	258	258	258	258
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	30	30	30	38	38	38
Main activity	288	288	288	295	295	295
Combustible fuels	258	258	258	258	258	258
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	30	30	30	38	38	38
Combustible fuel input	Terajoules					
Gas-diesel oil	*581	*581	*602	*606	*611	*611
Fuel oil	*7918	*7716	*7676	*7393	*7918	*8092
Total input	*8499	*8297	*8278	*8000	*8529	*8703
Total production	*2856	*2887	*3005	*2908	*2961	*2970
Estimated efficiency (% of production to input)	34	35	36	36	35	34

Statistics on electricity

Australia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	251415	256563	258019	260998	264025	265178
Combustible fuels	221479	222837	221065	219884	215498	208599
Hydro	13445	15318	16285	16021	15967	15150
Nuclear	..	..	..	..	..	..
Other	16491	18408	20669	25093	32560	41429
Main activity	226896	232479	229078	229024	227044	225417
Combustible fuels	201872	204501	199558	196915	190827	183150
Hydro	13445	15318	16285	16021	15967	15150
Nuclear	..	..	..	..	..	..
Other	11579	12660	13235	16088	20250	27117
Own use in electricity, CHP and heat plants	12882	13301	14502	13706	13494	13265
Net production	238533	243262	243517	247292	250531	251913
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	13738	14149	11240	11346	10960	11174
Consumption	224795	229113	232277	235946	239571	240740
Energy industries own use	14207	15225	19217	20579	23020	24055
By industry and construction	75895	79515	76929	77898	78098	77643
By transport	5741	6097	5883	5962	6254	6388
By households and other cons.	128952	128276	130248	131507	132199	132654
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	74413	73300	71656	74291	79312	86711
Combustible fuels	56014	54015	51218	51700	51540	52826
Hydro	8271	8271	8271	8523	8523	8523
Nuclear	..	..	..	..	..	..
Other	10128	11014	12167	14068	19249	25362
Main activity	61813	60834	57728	59362	61936	66028
Combustible fuels	49109	47807	44134	44013	43116	43788
Hydro	8271	8271	8271	8523	8523	8523
Nuclear	..	..	..	..	..	..
Other	4433	4756	5323	6826	10297	13717
Combustible fuel input	Terajoules					
Hard Coal	636963	659756	672798	699594	708534	648047
Brown Coal	1028036	1057550	1019950	920982	870160	836248
Lignite briquettes	672	461	168	..	..	..
Biogas	14520	14247	13723	14633	14884	15204
Gas-diesel oil	46569	46612	45967	44290	43172	39605
Fuel oil	7070	1818	1414	1495	2182	1595
Other oil products	3538	3095	3739	2211	3256	2285
Natural gas	553022	559114	558516	572280	567838	588095
Fuelwood	*3669	*4193	*6857	*6776	*8814	*7758
Bagasse	*16886	*19298	*27336	*27014	*21737	*21621
Others	0	0	..	..	..	..
Total input	2310945	2366145	2350468	2289275	2240577	2160457
Total production	797324	802213	795834	791582	775793	750958
Estimated efficiency (% of production to input)	35	34	34	35	35	35

Statistics on electricity

Austria

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	65299	68308	71324	68618	74234	72566
Combustible fuels	18916	18953	21296	19900	20865	18368
Hydro	40591	43009	42175	41219	44204	45354
Nuclear	..	..	..	..	..	..
Other	5792	6346	7853	7499	9165	8845
Main activity	57455	60431	63114	60631	66268	64729
Combustible fuels	11576	11618	13576	12400	13446	10997
Hydro	40102	42482	41697	40745	43669	44898
Nuclear	..	..	..	..	..	..
Other	5777	6331	7841	7486	9152	8835
Own use in electricity, CHP and heat plants	3372	3348	3231	3234	3133	3142
Net production	61927	64960	68094	65384	71101	69425
Imports	29389	26366	29362	28076	26047	24522
Exports	19328	19207	22817	19129	22918	22327
Losses	3467	3339	3459	3336	3305	3192
Consumption	68519	68779	71180	70990	70893	68389
Energy industries own use	7367	6642	8098	7545	7381	7186
By industry and construction	27283	28153	28283	28456	28091	27248
By transport	3163	3207	3263	3281	3278	3093
By households and other cons.	30706	30777	31537	31708	32143	30863
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	24742	25217	24920	25637	25901	26312
Combustible fuels	7665	7273	6613	6532	6377	6438
Hydro	13650	14117	14150	14516	14597	14604
Nuclear	..	..	..	..	..	..
Other	3427	3827	4157	4589	4927	5270
Main activity	22504	22959	23147	23921	23682	24048
Combustible fuels	5964	5561	5272	5244	4593	4609
Hydro	13113	13571	13718	14088	14162	14169
Nuclear	..	..	..	..	..	..
Other	3427	3827	4157	4589	4927	5270
Combustible fuel input	Terajoules					
Hard Coal	27341	19019	16559	17675	14894	5591
Biogas	10594	10683	11024	8099	7412	7572
Fuel oil	8646	6626	6116	4692	6254	7113
Natural gas	70545	78774	100203	90759	98347	89150
Coke-oven gas	4328	3352	3367	3165	2961	3290
Blast furnace gas	12825	12040	14177	12174	13219	12413
Fuelwood	*39747	*37414	*38305	*37891	*37150	*36282
Municipal waste	17283	19084	17640	17317	17656	19590
Other recovered gases	2704	2512	2873	2299	2490	2127
Black liquor	*4615	*3281	*3021	*3286	*2170	*3633
Others	5797	9997	11290	11802	5066	4053
Total input	204424	202781	224577	209160	207619	190814
Total production	68098	68231	76666	71639	75115	66124
Estimated efficiency (% of production to input)	33	34	34	34	36	35

Statistics on electricity

Azerbaijan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	24688	24953	24321	25229	26073	25839
Combustible fuels	23042	22936	22515	23339	24359	24627
Hydro	1638	1959	1746	1768	1565	1070
Nuclear	..	..	..	..	..	..
Other	9	58	59	122	150	143
Main activity	22551	22699	22232	23133	24004	23681
Combustible fuels	20905	20699	20445	21243	22290	22471
Hydro	1638	1959	1746	1768	1565	1067
Nuclear	..	..	..	..	..	..
Other	9	41	40	122	150	143
Own use in electricity, CHP and heat plants	982	918	877	869	816	762
Net production	23707	24035	23444	24361	25257	25077
Imports	108	114	108	131	137	137
Exports	265	1096	1283	1445	1491	1151
Losses	2869	2350	2251	2220	2226	2042
Consumption	20573	20660	19987	20804	21649	21997
Energy industries own use	2954	3042	2902	2993	2983	2978
By industry and construction	3163	3517	3611	3724	4398	4459
By transport	482	429	397	384	397	303
By households and other cons.	13974	13672	13077	13704	13872	14257
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7807	7910	7942	7829	7642	*7625
Combustible fuels	6691	6765	6791	6597	6395	*6371
Hydro	1103	1105	1106	1131	1145	1152
Nuclear	..	..	..	..	..	..
Other	13	41	44	101	102	101
Main activity	7145	7167	7172	6977	6794	*6774
Combustible fuels	6029	6029	6029	5746	5548	*5523
Hydro	1103	1105	1106	1131	1145	1149
Nuclear	..	..	..	..	..	..
Other	13	33	36	101	101	101
Combustible fuel input	Terajoules					
Gas-diesel oil	193	413	447	555	611	546
Fuel oil	15716	24846	12605	0	0	0
Natural gas	212772	196866	213287	232430	232673	229728
Municipal waste	3037	2773	2782	2966	3075	3164
Total input	231717	224898	229121	235951	236358	233437
Total production	82950	82568	81055	84021	87691	88655
Estimated efficiency (% of production to input)	36	37	35	36	37	38

Statistics on electricity

Bahamas

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2000	1968	*1989	*1999	*2010	*2020
Combustible fuels	1998	1966	*1987	*1997	*2007	*2017
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	3	*3
Main activity	1924	1892	*1914	*1919	*1918	*1922
Combustible fuels	1922	1890	*1912	*1917	*1915	*1919
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	3	*3
Own use in electricity, CHP and heat plants	*78	*78	*89	*69	*70	*59
Net production	1922	1890	*1900	*1930	*1940	*1961
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*11	*10	*9	*9	*10	*10
Consumption	1930	1965	*1841	*1909	*1930	*1961
Energy industries own use	..	..	..	..	..	..
By industry and construction	1167	1075	*1092	*1110	*1120	*1135
By transport	..	..	..	..	..	..
By households and other cons.	763	890	*749	*799	*810	*826
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	577	577	577	577	578	*578
Combustible fuels	576	576	576	576	576	*576
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	2	2
Main activity	538	538	538	538	539	*539
Combustible fuels	537	537	537	537	537	*537
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	2	2
Combustible fuel input	Terajoules					
Gas-diesel oil	*17243	*16942	*17114	*17200	*17286	*17372
Total input	*17243	*16942	*17114	*17200	*17286	*17372
Total production	7193	7078	*7153	*7189	*7225	*7261
Estimated efficiency (% of production to input)	42	42	42	42	42	42

Statistics on electricity

Bahrain

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	28462	28479	29193	29516	33453	33374
Combustible fuels	28453	28469	29183	29506	33442	33363
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	10	*10	*10	*11	*11
Main activity	17193	17056	17949	17833	18217	17947
Combustible fuels	17184	17046	17939	17823	18206	17936
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	10	*10	*10	*11	*11
Own use in electricity, CHP and heat plants	44	39	40	0	264	168
Net production	28418	28440	29153	29516	33189	33206
Imports	109	137	263	448	652	652
Exports	95	151	260	182	447	447
Losses	604	597	632	540	611	1591
Consumption	27815	27749	27765	28987	32783	31820
Energy industries own use	..	..	..	..	..	..
By industry and construction	13990	14013	13889	14511	16411	17652
By transport	..	..	..	..	..	..
By households and other cons.	13825	13736	13876	14476	16372	14168
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6978	6977	6977	6977	*6977	*6982
Combustible fuels	6972	6971	6971	6971	*6971	*6971
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	*6	*6	*6	11
Main activity	3928	3927	3927	3927	*3927	*3932
Combustible fuels	3922	3921	3921	3921	*3921	*3921
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	*6	*6	*6	11
Combustible fuel input	Terajoules					
Natural gas	362096	343040	368948	365591	455719	461660
Total input	362096	343040	368948	365591	455719	461660
Total production	102431	102488	105059	106222	120391	120107
Estimated efficiency (% of production to input)	28	30	28	29	26	26

Statistics on electricity

Bangladesh

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	59103	68909	73249	78612	84828	84759
Combustible fuels	58287	67650	71934	77229	83707	83474
Hydro	600	1020	1041	1086	769	878
Nuclear	..	..	..	..	..	..
Other	216	239	274	297	353	407
Main activity	42994	51645	56012	61368	67667	68201
Combustible fuels	42178	50386	54697	59985	66546	66916
Hydro	600	1020	1041	1086	769	878
Nuclear	..	..	..	..	..	..
Other	216	239	274	297	353	407
Own use in electricity, CHP and heat plants	3321	3872	4115	4417	4766	4762
Net production	55782	65037	69134	74195	80062	79997
Imports	3583	4051	4935	5070	6786	6671
Exports	..	..	..	..	..	..
Losses	7120	7187	7717	8447	9535	9424
Consumption	51757	59180	65861	70409	79198	79922
Energy industries own use	..	..	..	..	..	..
By industry and construction	29832	33380	35861	37545	35493	34034
By transport	..	..	..	..	..	..
By households and other cons.	21925	25800	30000	32864	43705	45888
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	11150	11866	12213	*15293	18291	22035
Combustible fuels	10784	11495	11817	*14927	17922	21673
Hydro	*230	230	230	230	230	230
Nuclear	..	..	..	..	..	..
Other	136	141	166	136	139	132
Main activity	8773	9587	9809	*10657	10959	13894
Combustible fuels	8407	9216	9413	*10291	10590	13532
Hydro	*230	230	230	230	230	230
Nuclear	..	..	..	..	..	..
Other	136	141	166	136	139	132
Combustible fuel input	Terajoules					
Hard Coal	10944	11321	11321	16471	11928	25948
Gas-diesel oil	20210	21457	25843	41981	39876	2817
Fuel oil	36118	28361	31108	36097	138286	114527
Natural gas	557675	546014	660829	652782	681840	682463
Total input	624947	607153	729101	747331	871931	825755
Total production	209833	243540	258963	278024	301345	300506
Estimated efficiency (% of production to input)	34	40	36	37	35	36

Statistics on electricity

Barbados

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1043	1064	1047	1055	1070	1067
Combustible fuels	1029	1037	1009	1011	1018	999
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	14	27	38	44	52	69
Main activity	1026	1046	1030	1038	1053	1051
Combustible fuels	1012	1020	992	994	1001	982
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	14	27	38	44	52	69
Own use in electricity, CHP and heat plants	76	65	54	17	37	34
Net production	968	999	993	1038	1033	1033
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	20	21	21	20	66	55
Consumption	*947	978	974	943	944	894
Energy industries own use	..	..	..	..	..	..
By industry and construction	80	81	117	117	117	111
By transport	..	..	..	..	..	..
By households and other cons.	*867	897	857	825	826	783
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	258	268	281	259	301	317
Combustible fuels	249	249	262	234	261	267
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	19	19	25	40	50
Main activity	248	258	271	249	291	307
Combustible fuels	239	239	252	224	251	257
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	19	19	25	40	50
Combustible fuel input	Terajoules					
Gas-diesel oil	248	252	253	233	345	603
Fuel oil	8060	8191	6369	7479	5842	5205
Other kerosene	*306	*340	*374	385	396	335
Natural gas	179	181	175	261	232	207
Bagasse	*77	*78	25	28	*119	*120
Total input	8868	9042	7197	8386	6935	6469
Total production	3705	3734	3633	3641	3666	3596
Estimated efficiency (% of production to input)	42	41	50	43	53	56

Statistics on electricity

Belarus

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	34082	33566	34515	38986	40465	38548
Combustible fuels	33941	33321	33924	38386	39756	37441
Hydro	107	142	405	324	350	399
Nuclear	..	..	..	..	..	338
Other	34	103	186	276	359	370
Main activity	30676	30136	30780	35026	36202	34476
Combustible fuels	30554	29912	30207	34510	35596	33467
Hydro	101	128	396	316	343	391
Nuclear	..	..	..	..	..	338
Other	21	96	177	200	263	280
Own use in electricity, CHP and heat plants	2100	2082	2106	2220	2217	2232
Net production	31982	31484	32409	36766	38248	36316
Imports	6104	6319	5992	3257	3059	4277
Exports	3482	3298	3407	4248	5398	4777
Losses	2916	2876	2872	2835	2711	2736
Consumption	31688	31629	32122	32940	33198	33080
Energy industries own use	2400	2253	2170	2236	2268	2224
By industry and construction	12093	11956	12558	12987	13184	12907
By transport	1227	1181	1223	1311	1228	1165
By households and other cons.	15968	16239	16171	16406	16518	16784
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9797	10003	10146	10151	10183	11339
Combustible fuels	9750	9826	9884	9808	9820	9801
Hydro	30	68	98	97	97	96
Nuclear	..	..	..	..	..	1170
Other	17	109	164	246	266	272
Main activity	8988	9151	9329	9182	9206	10329
Combustible fuels	8953	8985	9078	8909	8923	8874
Hydro	28	64	95	95	95	94
Nuclear	..	..	..	..	..	1170
Other	7	102	156	178	188	191
Combustible fuel input	Terajoules					
Peat	1222	1210	835	783	1070	1090
Biogas	390	370	441	450	416	2118
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	3394	5737	3241	3919	2262	19756
Refinery gas	2030	1436	1881	1386	1089	1931
Natural gas	427730	420232	438360	479261	468069	422418
Fuelwood	5965	6943	7080	5432	6403	5669
Vegetal waste	0	0	0	0	0	0
Industrial waste	993	617	675	672	688	290
Peat products	371	400	400	361	361	400
Others	0	0	0	0	0	0
Total input	442094	436944	452912	492264	480358	453671
Total production	122188	119956	122126	138190	143122	134788
Estimated efficiency (% of production to input)	28	27	27	28	30	30

Statistics on electricity

Belgium

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	69713	85607	86616	75037	93640	89389
Combustible fuels	33092	31559	32615	33171	34497	35273
Hydro	1418	1489	1397	1308	1181	1315
Nuclear	26103	43523	42227	28597	43524	34435
Other	9100	9036	10377	11962	14438	18367
Main activity	59680	75144	75135	62875	79739	74329
Combustible fuels	26586	24716	24995	25426	25339	25887
Hydro	1418	1489	1397	1308	1181	1315
Nuclear	26103	43523	42227	28597	43524	34435
Other	5573	5416	6516	7544	9696	12692
Own use in electricity, CHP and heat plants	2334	3206	3493	2972	3726	3334
Net production	67379	82401	83123	72065	89913	86055
Imports	23714	14648	14189	21636	12734	13722
Exports	2715	8465	8168	4308	14589	14055
Losses	3816	3881	3849	3782	3590	3455
Consumption	84622	85135	85315	85837	84807	82144
Energy industries own use	3018	2955	3118	3030	2973	3048
By industry and construction	38097	38369	38590	39013	38271	36505
By transport	1629	1664	1704	1747	1729	1613
By households and other cons.	41878	42147	41903	42047	41835	40978
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	21167	21431	22110	22692	23926	25702
Combustible fuels	8520	8396	8364	8086	8078	8086
Hydro	1422	1419	1417	1418	1414	1416
Nuclear	5913	5913	5918	5918	5930	5942
Other	5312	5703	6411	7271	8503	10259
Main activity	16697	16851	17113	17243	17640	18409
Combustible fuels	7199	7168	7019	6667	6463	6404
Hydro	1422	1419	1417	1418	1414	1416
Nuclear	5913	5913	5918	5918	5930	5942
Other	2163	2351	2759	3240	3833	4647
Combustible fuel input	Terajoules					
Hard Coal	21708	3561	415	432	439	373
Biogas	5785	5760	5478	5548	5613	6082
Refinery gas	1139	1188	1104	955	213	431
Natural gas	169617	167825	167238	175940	180417	189475
Blast furnace gas	16233	17756	18513	17943	19060	13955
Fuelwood	*31484	*30995	*32992	*30253	*27873	*29582
Municipal waste	29752	30017	30085	29701	29629	30004
Industrial waste	6152	6135	6247	6063	6253	5697
Other recovered gases	1224	1258	1213	1218	1303	1195
Other liquid biofuels	685	82	140	529	584	178
Others	586	516	453	432	350	337
Total input	284364	265093	263878	269013	271733	277309
Total production	119131	113612	117414	119414	124191	126981
Estimated efficiency (% of production to input)	42	43	44	44	46	46

Statistics on electricity

Belize

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	362	389	406	416	305	434
Combustible fuels	125	128	135	166	230	191
Hydro	236	261	271	250	75	242
Nuclear	..	..	..	..	..	..
Other	1	0	0	1	1	1
Main activity	278	310	323	322	213	360
Combustible fuels	42	49	53	72	137	117
Hydro	236	261	271	250	75	242
Nuclear	..	..	..	..	..	..
Other	1	0	0	1	1	1
Own use in electricity, CHP and heat plants	12	14	11	14	10	10
Net production	350	375	395	402	295	424
Imports	255	243	230	235	384	270
Exports	..	..	..	..	..	..
Losses	69	68	64	65	69	189
Consumption	603	589	572	586	620	515
Energy industries own use	..	..	..	..	..	..
By industry and construction	65	48	47	37	37	20
By transport	..	..	..	..	..	..
By households and other cons.	538	541	525	549	583	495
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	154	146	165	165	177	173
Combustible fuels	99	94	113	113	122	118
Hydro	55	51	51	51	55	55
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	121	112	120	120	132	132
Combustible fuels	66	60	68	68	77	77
Hydro	55	51	51	51	55	55
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Crude oil	14	14	40	49	43	90
Gas-diesel oil	*64	19	8	6	7	34
Fuel oil	*176	*244	256	358	881	*523
Liquefied petroleum gas	..	..	..	..	..	16
Natural gas	60	60	38	18	6	7
Bagasse	2153	1742	1841	2350	2596	2427
Total input	2467	2079	2182	2781	3533	3097
Total production	451	461	487	597	827	687
Estimated efficiency (% of production to input)	18	22	22	21	23	22

Statistics on electricity

Benin

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	330	276	331	202	529	989
Combustible fuels	324	266	325	197	521	982
Hydro	1	5	1	0	0	0
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	8	7
Main activity	218	180	233	88	366	823
Combustible fuels	212	170	226	83	359	817
Hydro	1	5	1	0	0	0
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	6	6
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	330	276	331	202	529	989
Imports	1048	1089	1111	1293	1093	646
Exports	..	..	..	..	2	2
Losses	277	288	297	295	363	346
Consumption	1099	1071	1139	1183	1256	1270
Energy industries own use	..	..	..	..	..	..
By industry and construction	277	232	256	288	279	295
By transport	..	..	..	..	..	..
By households and other cons.	822	839	884	895	978	975
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*383	*383	*383	*383	*512	*512
Combustible fuels	*312	*312	*312	*312	*439	*439
Hydro	*66	*66	*66	*66	*66	*66
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	7	7
Main activity	*338	*338	*338	*338	*465	*465
Combustible fuels	*267	*267	*267	*267	*394	*394
Hydro	*66	*66	*66	*66	*66	*66
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	5
Combustible fuel input	Terajoules					
Gas-diesel oil	1376	1806	1022	876	1112	910
Fuel oil	566	646	648	828	1025	1447
Natural gas	1211	76	1526	750	2194	6457
Kerosene-type jet fuel	176	..	..	..	..	..
Total input	3329	2528	3197	2454	4331	8813
Total production	1166	958	1168	708	1876	3534
Estimated efficiency (% of production to input)	35	38	37	29	43	40

Statistics on electricity

Bermuda

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	675	666	676	644	613	*590
Combustible fuels	674	665	675	642	611	*588
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*2	*2	*2
Main activity	662	653	662	629	598	*575
Combustible fuels	662	653	662	629	598	*575
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	40	35	45	39	*16	*32
Net production	635	631	631	605	597	*558
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*44	*44	*45	*38	*41	*40
Consumption	591	586	585	568	554	518
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	591	586	585	568	554	518
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*172	*173	*174	*176	*176	*177
Combustible fuels	*171	*171	*171	*172	*172	*173
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*2	*3	4	4	*4
Main activity	*167	*167	*167	*167	*167	*167
Combustible fuels	*167	*167	*167	*167	*167	*167
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*769	*860	*903	*912	*851	*774
Fuel oil	*3838	*3628	*4464	*4949	*4452	*3575
Municipal waste	*605	*605	*590	*600	*600	*600
Total input	*5212	*5093	*5957	*6461	*5903	*4949
Total production	2427	2395	2431	2313	2200	*2117
Estimated efficiency (% of production to input)	47	47	41	36	37	43

Statistics on electricity

Bhutan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7748	7954	7730	6960	8858	11371
Combustible fuels	0	0	0	0	0	0
Hydro	7747	7953	7728	6959	8857	11370
Nuclear	..	..	..	..	..	..
Other	0	1	1	2	*2	1
Main activity	7748	7954	7730	6960	8858	11371
Combustible fuels	0	0	0	0	0	0
Hydro	7747	7953	7728	6959	8857	11370
Nuclear	..	..	..	..	..	..
Other	0	1	1	2	*2	1
Own use in electricity, CHP and heat plants	103	127	103	123	197	222
Net production	7644	7827	7627	6837	8662	11149
Imports	125	84	92	134	96	82
Exports	5721	5763	5701	4581	6147	9260
Losses	*47	*140	*58	*96	*350	*79
Consumption	2057	2009	2186	2186	2279	1961
Energy industries own use	..	..	..	..	..	..
By industry and construction	1636	1548	1599	1815	1745	1338
By transport	..	..	..	..	..	..
By households and other cons.	421	460	587	371	534	623
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1622	1624	1623	1623	2342	2342
Combustible fuels	8	9	8	8	7	*7
Hydro	1614	1614	1614	1614	2334	2334
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	1	1
Main activity	1622	1624	1623	1623	2342	2342
Combustible fuels	8	9	8	8	7	*7
Hydro	1614	1614	1614	1614	2334	2334
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	0	0	*3	0	0	0
Total input	0	0	*3	0	0	0
Total production	0	0	1	0	0	0
Estimated efficiency (% of production to input)	32	42	32	33	..	32

Statistics on electricity

Bolivia (Plur. State of)

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9032	9307	9617	9855	10172	9977
Combustible fuels	6552	7546	7317	7056	6662	6638
Hydro	2463	1720	2234	2612	3251	2942
Nuclear	..	..	..	..	..	..
Other	17	41	66	186	258	397
Main activity	8731	9022	9265	9493	9737	9545
Combustible fuels	6253	7265	6969	6701	6234	6209
Hydro	2461	1716	2230	2606	3245	2939
Nuclear	..	..	..	..	..	..
Other	17	41	66	186	258	397
Own use in electricity, CHP and heat plants	231	372	496	386	389	458
Net production	8801	8935	9120	9469	9783	9519
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	814	800	855	883	895	883
Consumption	7875	8202	8374	8450	8680	8365
Energy industries own use	..	..	..	..	..	..
By industry and construction	2112	2134	2152	2071	2154	1856
By transport	7	9	13	22	30	18
By households and other cons.	5756	6059	6209	6357	6496	6492
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*2417	*2447	2585	2771	3704	3713
Combustible fuels	*1913	*1919	1928	1983	2797	2805
Hydro	496	496	619	690	759	759
Nuclear	..	..	..	..	..	..
Other	8	32	38	98	148	149
Main activity	*2243	*2259	2298	2442	3375	3384
Combustible fuels	*1740	*1732	1642	1656	2470	2477
Hydro	495	495	618	689	758	758
Nuclear	..	..	..	..	..	..
Other	8	32	38	98	148	149
Combustible fuel input	Terajoules					
Gas-diesel oil	2494	2494	2675	2838	2944	2805
Natural gas	71653	85663	81528	74935	67254	58735
Bagasse	*7140	*5567	*4105	*4911	*10879	*7978
Total input	81287	93724	88308	82684	81078	69519
Total production	23587	27166	26341	25403	23985	23898
Estimated efficiency (% of production to input)	29	29	30	31	30	34

Statistics on electricity

Bonaire, St Eustatius, Saba

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	127	132	137	*137	*145	145
Combustible fuels	87	95	101	*91	*104	112
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	40	38	35	*45	*41	33
Main activity	127	132	137	*137	*145	145
Combustible fuels	87	95	101	*91	*104	112
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	40	38	35	*45	*41	33
Own use in electricity, CHP and heat plants	11	11	12	*12	*13	12
Net production	116	121	125	*125	*132	133
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*20	*20	*21	*20	*22	*22
Consumption	*96	*101	*104	*105	*110	*111
Energy industries own use	..	..	..	..	..	..
By industry and construction	*51	*53	*53	*54	*58	*57
By transport	..	..	..	..	..	..
By households and other cons.	*45	*48	*51	*51	*53	*54
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*27	33	*33	*37	*37	*38
Combustible fuels	*16	20	*20	*20	*20	*20
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	11	13	13	17	17	18
Main activity	*27	33	*33	*37	*37	*38
Combustible fuels	*16	20	*20	*20	*20	*20
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	11	13	13	17	17	18
Combustible fuel input	Terajoules					
Fuel oil	*779	*850	*912	*823	*933	*1010
Total input	*779	*850	*912	*823	*933	*1010
Total production	312	340	365	*329	*373	404
Estimated efficiency (% of production to input)	40	40	40	40	40	40

Statistics on electricity

Bosnia and Herzegovina

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	15629	17767	16439	19160	17493	16874
Combustible fuels	10078	12102	12431	12517	11037	11904
Hydro	5551	5641	3987	6519	6172	4663
Nuclear	..	..	..	..	..	..
Other	..	24	21	124	284	307
Main activity	15204	17373	15998	18722	17081	16527
Combustible fuels	9653	11708	11990	12079	10625	11557
Hydro	5551	5641	3987	6519	6172	4663
Nuclear	..	..	..	..	..	..
Other	..	24	21	124	284	307
Own use in electricity, CHP and heat plants	985	1158	1200	1248	1099	1240
Net production	14644	16609	15239	17912	16394	15634
Imports	3872	3084	3346	3092	2825	3266
Exports	6007	6841	5187	7698	6565	7317
Losses	1394	1358	1347	1349	1257	1230
Consumption	11115	11494	12038	11957	11397	10353
Energy industries own use	440	406	640	501	404	417
By industry and construction	3999	4079	4344	4367	3690	2602
By transport	91	73	76	59	59	59
By households and other cons.	6585	6936	6978	7030	7244	7275
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*4304	4364	4522	4440	4485	4507
Combustible fuels	*2187	2200	2295	2135	2137	2136
Hydro	*2117	2155	2211	2236	2239	2249
Nuclear	..	..	..	..	..	..
Other	..	9	16	69	109	122
Main activity	*4074	4134	4292	4370	4414	4437
Combustible fuels	*1957	1970	2065	2065	2066	2066
Hydro	*2117	2155	2211	2236	2239	2249
Nuclear	..	..	..	..	..	..
Other	..	9	16	69	109	122
Combustible fuel input	Terajoules					
Brown Coal	106377	137220	140569	139342	127268	133099
Biogas	..	..	63	97	67	104
Fuel oil	566	606	646	444	485	466
Natural gas	460	307	297	289	269	62
Coke-oven gas	..	..	..	..	..	1159
Blast furnace gas	..	..	..	..	..	406
Fuelwood	0	0	196	198	183	219
Total input	107403	138133	141771	140370	128271	135515
Total production	36281	43567	44752	45061	39733	42854
Estimated efficiency (% of production to input)	34	32	32	32	31	32

Statistics on electricity

Botswana

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*2967	2688	3022	3105	2508	2182
Combustible fuels	*2966	2686	3020	3100	2504	2176
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	5	5	6
Main activity	*2967	2688	3022	3105	2508	2182
Combustible fuels	*2966	2686	3020	3100	2504	2176
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	5	5	6
Own use in electricity, CHP and heat plants	*410	307	440	375	303	178
Net production	*2557	2381	2582	2730	2205	2004
Imports	1468	1650	1288	1189	1746	1838
Exports	..	..	..	..	..	..
Losses	535	564	576	410	632	667
Consumption	3495	3479	3280	3209	3208	3288
Energy industries own use	..	..	..	..	..	..
By industry and construction	1462	1382	1090	933	923	940
By transport	..	..	..	..	..	..
By households and other cons.	2033	2097	2190	2276	2285	2348
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	621	623	755	799	766	738
Combustible fuels	620	620	752	795	760	732
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	3	3	4	6	6
Main activity	601	603	735	799	766	738
Combustible fuels	600	600	732	795	760	732
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	3	3	4	6	6
Combustible fuel input	Terajoules					
Hard Coal	27800	38227	45212	33673	42991	30557
Gas-diesel oil	1548	86	111	116	0	772
Total input	29348	38313	45323	33789	42991	31329
Total production	*10677	9670	10872	11159	9013	7834
Estimated efficiency (% of production to input)	36	25	24	33	21	25

Statistics on electricity

Brazil

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	581228	578897	589326	601396	626329	621198
Combustible fuels	185066	148549	159476	144815	149682	143017
Hydro	359743	380911	370906	388971	397877	396328
Nuclear	14734	15864	15739	15674	16129	14053
Other	21685	33573	43205	51936	62641	67800
Main activity	484922	480360	491147	500232	523944	514747
Combustible fuels	109876	71486	80093	63542	68433	59141
Hydro	338673	359499	352313	369641	378450	378583
Nuclear	14734	15864	15739	15674	16129	14053
Other	21639	33511	43002	51375	60932	62970
Own use in electricity, CHP and heat plants	8435	7523	7765	7820	7624	6474
Net production	572793	571374	581561	593576	618705	614724
Imports	34642	41313	36511	34980	25156	25113
Exports	219	518	156	1	199	395
Losses	91067	98317	97619	97973	105647	105727
Consumption	516148	513854	520295	530581	538014	533716
Energy industries own use	23461	22249	21875	23642	25140	25168
By industry and construction	197931	196213	199682	200760	195866	197545
By transport	2055	2007	2055	1968	2251	2014
By households and other cons.	292701	293385	296683	304211	314757	308989
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	140857	150422	157579	163509	172280	179517
Combustible fuels	39563	41286	41881	40561	41281	43153
Hydro	91650	96931	100319	104198	109155	109294
Nuclear	1990	1990	1990	1990	1990	1990
Other	7654	10215	13389	16760	19854	25080
Main activity	118006	126223	132638	138011	145798	149530
Combustible fuels	21607	22101	22130	20636	21152	22870
Hydro	86766	91982	95300	99137	104087	104136
Nuclear	1990	1990	1990	1990	1990	1990
Other	7643	10150	13218	16248	18569	20534
Combustible fuel input	Terajoules					
Hard Coal	237028	229610	205225	182108	197693	164606
Biogas	6492	5728	7993	8532	11245	13011
Gas-diesel oil	107113	53105	44634	52288	61533	60243
Fuel oil	132835	54500	64882	39026	18786	19594
Refinery gas	22295	18332	19153	20316	23746	20831
Natural gas	722325	501923	577284	481645	542964	475956
Coke-oven gas	10749	11417	16320	15411	14922	14292
Fuelwood	15785	14178	15466	17037	16425	17046
Bagasse	216072	221516	222813	220118	226064	238026
Vegetal waste	236450	286638	327563	368888	130580	144180
Others	13597	11675	10818	12117	13129	12074
Total input	1720742	1408621	1512150	1417486	1257087	1179859
Total production	666238	534776	574114	521334	538855	514861
Estimated efficiency (% of production to input)	39	38	38	37	43	44

Statistics on electricity

British Virgin Islands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	212	218	173	160	*161	*162
Combustible fuels	210	217	172	159	*160	*160
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*2	*2	*1	*1	*1	*2
Main activity	212	218	173	160	*161	*162
Combustible fuels	210	217	172	159	*160	*160
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*2	*2	*1	*1	*1	*2
Own use in electricity, CHP and heat plants	9	8	12	15	*12	*10
Net production	203	210	160	145	*149	*152
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	15	15	13	9	*10	*10
Consumption	188	195	147	*136	*139	*142
Energy industries own use	..	..	..	..	..	..
By industry and construction	9	8	5	3	*3	*4
By transport	..	..	..	..	..	..
By households and other cons.	179	187	143	*133	*136	*138
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	42	42	61	*46	*46	*46
Combustible fuels	41	41	60	*45	*45	*45
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	*1	*1	*1	*1
Main activity	42	42	61	*46	*46	*46
Combustible fuels	41	41	60	*45	*45	*45
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	*1	*1	*1	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	1974	2017	1604	1368	*1398	*1441
Total input	1974	2017	1604	1368	*1398	*1441
Total production	757	780	618	571	*576	*576
Estimated efficiency (% of production to input)	38	39	39	42	41	40

Statistics on electricity

Brunei Darussalam

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4200	4270	4157	4294	4933	5736
Combustible fuels	4198	4269	4155	4292	4931	5734
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	1	2	2	2	2
Main activity	3738	3843	3724	3853	4021	4074
Combustible fuels	3736	3842	3722	3852	4019	4073
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	1	2	2	2	2
Own use in electricity, CHP and heat plants	420	379	136	129	133	135
Net production	3780	3891	4021	4165	4799	5601
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	269	243	481	481	497	439
Consumption	3737	3648	3538	3684	4304	5161
Energy industries own use	346	421	426	400	398	398
By industry and construction	189	132	134	190	709	1388
By transport	..	..	..	..	..	..
By households and other cons.	3202	3095	2978	3094	3197	3376
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*819	*820	993	993	1109	*1128
Combustible fuels	*818	*819	992	992	1108	*1126
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	1	1	1	2
Main activity	*709	*709	876	876	875	*894
Combustible fuels	*708	*708	875	875	874	*892
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	1	1	1	2
Combustible fuel input	Terajoules					
Brown Coal	..	..	..	..	6426	22609
Gas-diesel oil	473	473	559	559	584	470
Natural gas	46433	50501	51660	54943	53240	55325
Total input	46906	50974	52219	55502	60251	78405
Total production	15113	15368	14958	15451	17752	20644
Estimated efficiency (% of production to input)	32	30	29	28	29	26

Statistics on electricity

Bulgaria

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	49228	45277	45613	46838	44302	40767
Combustible fuels	24840	22088	23633	22606	21573	17827
Hydro	6147	4568	3493	5423	3383	3320
Nuclear	15383	15776	15545	16125	16555	16626
Other	2858	2845	2941	2683	2790	2994
Main activity	48840	44786	44925	46130	43580	40029
Combustible fuels	24475	21631	22980	21921	20883	17125
Hydro	6147	4568	3493	5423	3383	3320
Nuclear	15383	15776	15545	16125	16555	16626
Other	2835	2811	2907	2661	2759	2958
Own use in electricity, CHP and heat plants	4501	4056	4261	4123	3956	3532
Net production	44727	41221	41351	42714	40346	37235
Imports	4251	4568	3705	2223	3045	3707
Exports	14826	10940	9186	10030	8855	7115
Losses	3785	3577	3476	3102	2767	2595
Consumption	30353	31328	32349	31719	32250	30537
Energy industries own use	2027	2430	2440	1826	2131	1935
By industry and construction	9033	9083	9737	9872	9830	9457
By transport	352	354	378	324	359	415
By households and other cons.	18941	19461	19794	19698	19929	18730
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	11016	10904	11069	11530	11433	11192
Combustible fuels	3991	3822	3785	4220	4097	3806
Hydro	3219	3223	3372	3379	3378	3376
Nuclear	1975	1967	1967	2008	2006	2006
Other	1831	1892	1945	1923	1951	2003
Main activity	10776	10552	10624	11105	11072	10834
Combustible fuels	3854	3635	3551	3986	3936	3651
Hydro	3219	3223	3372	3379	3378	3376
Nuclear	1975	1967	1967	2008	2006	2006
Other	1728	1727	1734	1732	1751	1800
Combustible fuel input	Terajoules					
Hard Coal	17788	13147	9340	12019	13004	9897
Brown Coal	227468	194380	216370	192447	177935	138152
Lignite briquettes	12610	14836	13244	9541	7629	6731
Biogas	661	1569	1631	1875	1824	1950
Oil shale	..	..	..	..	225	215
Fuel oil	485	606	778	687	460	260
Refinery gas	99	495	956	410	899	832
Petroleum coke	6695	8418	5139	1645	1442	1288
Natural gas	28851	28808	27602	28601	30448	31440
Fuelwood	*1281	*1556	*1668	*16297	*20717	*18472
Others	86	86	92	1181	772	68
Total input	296024	263901	276820	264704	255355	209306
Total production	89424	79517	85080	81383	77664	64177
Estimated efficiency (% of production to input)	30	30	31	31	30	31

Statistics on electricity

Burkina Faso

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	999	973	1095	1021	752	698
Combustible fuels	906	834	958	875	588	528
Hydro	93	140	128	91	105	112
Nuclear	..	..	..	..	..	..
Other	..	..	9	54	59	57
Main activity	999	973	1095	1021	752	698
Combustible fuels	906	834	958	875	588	528
Hydro	93	140	128	91	105	112
Nuclear	..	..	..	..	..	..
Other	..	..	9	54	59	57
Own use in electricity, CHP and heat plants	59	59	65	55	40	59
Net production	941	915	1030	966	712	639
Imports	443	630	645	837	1087	1488
Exports	..	..	..	..	..	..
Losses	183	*183	*224	*219	*161	*224
Consumption	*1200	*1361	*1452	*1568	*1686	*1761
Energy industries own use	..	..	..	..	..	..
By industry and construction	456	*517	*535	*578	*622	*642
By transport	..	..	..	..	..	..
By households and other cons.	*744	*844	*917	*990	*1064	*1119
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	325	325	329	349	390	445
Combustible fuels	293	293	293	293	295	351
Hydro	32	32	32	32	32	32
Nuclear	..	..	..	..	..	..
Other	..	..	*4	*24	62	62
Main activity	325	325	329	349	390	445
Combustible fuels	293	293	293	293	295	351
Hydro	32	32	32	32	32	32
Nuclear	..	..	..	..	..	..
Other	..	..	*4	*24	62	62
Combustible fuel input	Terajoules					
Biogas	..	*36	*36	*36	*36	*36
Gas-diesel oil	2455	*2455	*2821	*2580	*1733	*1561
Fuel oil	5446	*5446	*5737	*5777	*3882	*3515
Total input	7901	*7937	*8594	*8393	*5651	*5112
Total production	3261	3001	3448	3151	2117	1902
Estimated efficiency (% of production to input)	41	38	40	38	37	37

Statistics on electricity

Burundi

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	177	180	189	246	269	276
Combustible fuels	35	31	80	105	129	92
Hydro	137	143	100	133	132	176
Nuclear	..	..	..	..	..	..
Other	5	6	8	8	8	8
Main activity	171	174	182	240	264	270
Combustible fuels	29	24	74	99	124	87
Hydro	137	143	100	133	132	176
Nuclear	..	..	..	..	..	..
Other	5	6	8	8	8	8
Own use in electricity, CHP and heat plants	19	21	24	30	33	31
Net production	158	159	165	216	236	245
Imports	*96	*128	*94	*100	*100	*89
Exports	..	..	..	..	..	..
Losses	*40	*40	*40	*40	*40	*40
Consumption	*214	*216	*225	*276	*296	*294
Energy industries own use	..	..	..	..	..	..
By industry and construction	*86	*87	*91	*120	*126	*125
By transport	..	..	..	..	..	..
By households and other cons.	*128	*130	*134	*156	*170	*169
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	65	66	71	88	88	88
Combustible fuels	*11	*11	*18	35	*35	*35
Hydro	51	51	48	48	48	48
Nuclear	..	..	..	..	..	..
Other	3	4	5	5	5	5
Main activity	63	62	67	84	84	84
Combustible fuels	*9	*7	*14	31	*31	*31
Hydro	51	51	48	48	48	48
Nuclear	..	..	..	..	..	..
Other	3	4	5	5	5	5
Combustible fuel input	Terajoules					
Fuel oil	*368	*307	*921	*1212	*1252	*877
Bagasse	*108	*119	*119	*102	*98	*100
Total input	*476	*426	*1040	*1314	*1350	*977
Total production	125	111	290	377	465	332
Estimated efficiency (% of production to input)	26	26	28	29	34	34

Statistics on electricity

Cabo Verde

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	421	444	426	431	444	420
Combustible fuels	336	361	351	341	362	350
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	85	83	75	90	83	70
Main activity	420	443	425	430	444	419
Combustible fuels	336	361	350	340	361	349
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	85	83	75	90	83	70
Own use in electricity, CHP and heat plants	12	12	14	12	11	12
Net production	409	432	412	419	433	408
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	104	108	109	110	110	109
Consumption	*305	*316	*303	*309	*323	*299
Energy industries own use	..	..	..	..	..	..
By industry and construction	*34	*36	*33	*36	*35	*30
By transport	..	..	..	..	..	..
By households and other cons.	*270	*280	*270	*273	*288	*269
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	179	195	182	179	187	180
Combustible fuels	146	162	148	148	156	144
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	33	33	35	31	31	36
Main activity	178	194	182	178	186	179
Combustible fuels	145	161	147	147	155	143
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	33	33	35	31	31	36
Combustible fuel input	Terajoules					
Gas-diesel oil	*602	*441	*497	*509	*565	*531
Fuel oil	2445	2631	2618	2517	2654	2525
Total input	3047	3072	3115	3026	3220	3056
Total production	1210	1301	1262	1228	1302	1259
Estimated efficiency (% of production to input)	40	42	41	41	40	41

Statistics on electricity

Cambodia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4628	5812	6902	8530	9018	8982
Combustible fuels	2577	3111	4105	3542	4680	4604
Hydro	2048	2698	2792	4971	4239	4073
Nuclear	..	..	..	..	..	..
Other	3	3	5	17	98	306
Main activity	4628	5812	6902	8530	9018	8982
Combustible fuels	2577	3111	4105	3542	4680	4604
Hydro	2048	2698	2792	4971	4239	4073
Nuclear	..	..	..	..	..	..
Other	3	3	5	17	98	306
Own use in electricity, CHP and heat plants	155	285	215	404	461	473
Net production	4473	5527	6687	8126	8557	8509
Imports	1547	1582	1442	1567	3063	3820
Exports	..	..	..	..	..	..
Losses	810	936	1332	1090	1360	1309
Consumption	5211	6176	6792	8649	10379	11092
Energy industries own use	..	..	..	..	..	..
By industry and construction	1140	1419	1745	2871	3199	3342
By transport	..	..	..	..	..	..
By households and other cons.	4071	4757	5047	5778	7180	7750
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1659	1683	1878	2187	2443	2991
Combustible fuels	728	751	888	847	1007	1365
Hydro	930	930	980	1330	1330	1330
Nuclear	..	..	..	..	..	..
Other	*2	*2	10	10	105	297
Main activity	1659	1683	1878	2187	2443	2991
Combustible fuels	728	751	888	847	1007	1365
Hydro	930	930	980	1330	1330	1330
Nuclear	..	..	..	..	..	..
Other	*2	*2	10	10	105	297
Combustible fuel input	Terajoules					
Brown Coal	22731	31600	35014	33087	40421	41823
Gas-diesel oil	1505	2709	2127	602	1118	688
Fuel oil	970	1737	1374	2384	6141	3757
Vegetal waste	*545	*1118	*1132	*1454	*2079	*1505
Total input	25750	37165	39647	37526	49759	47773
Total production	9277	11200	14778	12751	16850	16573
Estimated efficiency (% of production to input)	36	30	37	34	34	35

Statistics on electricity

Cameroon

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7985	7531	8082	8581	8476	9009
Combustible fuels	3616	2767	2976	3539	3227	3555
Hydro	4359	4752	5090	5023	5229	5434
Nuclear	..	..	..	..	..	..
Other	10	12	16	19	20	20
Main activity	4748	5042	5391	5336	5486	5635
Combustible fuels	379	278	286	293	237	181
Hydro	4359	4752	5090	5023	5229	5434
Nuclear	..	..	..	..	..	..
Other	10	12	16	19	20	20
Own use in electricity, CHP and heat plants	233	220	236	251	248	263
Net production	7752	7311	7846	8330	8228	8746
Imports	18	55	60	49	53	58
Exports	..	..	..	..	..	..
Losses	1663	1693	1790	1805	1864	1981
Consumption	6107	5761	6182	6564	6484	6891
Energy industries own use	..	..	..	..	..	..
By industry and construction	3408	3215	3450	3663	3618	3846
By transport	..	..	..	..	..	..
By households and other cons.	2699	2546	2732	2901	2866	3046
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1909	*1944	*2054	*1664	*1744	*1749
Combustible fuels	*1167	*1200	*1265	*918	*918	*923
Hydro	*732	*732	777	732	812	812
Nuclear	..	..	..	..	..	..
Other	*10	12	12	14	14	14
Main activity	*1259	*1294	1404	1014	1094	1099
Combustible fuels	*517	*550	615	268	268	273
Hydro	*732	*732	777	732	812	812
Nuclear	..	..	..	..	..	..
Other	*10	12	12	14	14	14
Combustible fuel input	Terajoules					
Gas-diesel oil	10019	10277	10551	10831	9304	7776
Fuel oil	3272	3353	3444	3536	2860	2185
Natural gas	18966	20295	22550	29315	27673	34201
Fuelwood	*327	*342	*354	*369	*383	*384
Total input	32584	34267	36899	44050	40220	44546
Total production	13018	9961	10713	12739	11618	12797
Estimated efficiency (% of production to input)	40	29	29	29	29	29

Statistics on electricity

Canada

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	657944	666054	663320	658332	652675	651896
Combustible fuels	143856	143961	131748	134152	132301	126288
Hydro	382266	385505	394659	385967	381843	386617
Nuclear	101809	101429	101299	100731	101197	98195
Other	30013	35159	35614	37482	37334	40796
Main activity	591300	604808	599938	595939	591486	590763
Combustible fuels	111269	112569	100476	103446	102360	95570
Hydro	348595	357230	364520	356414	352967	358839
Nuclear	101809	101429	101299	100731	101197	98195
Other	29627	33580	33643	35348	34962	38159
Own use in electricity, CHP and heat plants	19450	19326	18621	18671	18653	18052
Net production	638494	646728	644699	639661	634022	633844
Imports	8726	9303	9904	13195	13334	9812
Exports	68287	73103	72040	61401	60410	67432
Losses	33263	32537	35407	33525	33548	32891
Consumption	536135	532166	552994	563181	572006	560585
Energy industries own use	37810	38037	38387	38607	39719	37544
By industry and construction	174463	174309	183026	184755	189031	183720
By transport	6717	7533	7865	7962	7734	7569
By households and other cons.	317145	312287	323716	331857	335522	331752
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	144846	146601	147449	148937	149766	150245
Combustible fuels	36871	37557	37307	37323	37323	37323
Hydro	79405	80304	80831	81570	81570	81570
Nuclear	14033	14033	14033	14033	14033	14033
Other	14537	14707	15278	16011	16840	17319
Main activity	132975	134654	135378	136525	137241	137539
Combustible fuels	31133	31873	31748	31649	31649	31649
Hydro	74135	75181	75699	76395	76395	76395
Nuclear	14033	14033	14033	14033	14033	14033
Other	13674	13567	13898	14448	15164	15462
Combustible fuel input	Terajoules					
Hard Coal	46701	48580	48616	52038	49663	43962
Brown Coal	535440	530956	524953	396763	374090	298433
Biogas	10206	10206	10206	10206	10206	10206
Gas-diesel oil	12814	13158	12728	14792	13760	12642
Fuel oil	30785	27957	26220	23109	19675	16928
Refinery gas	11831	11534	11039	12920	9554	9851
Petroleum coke	31655	28438	27755	28275	26520	26358
Natural gas	691392	667746	624031	722331	735260	769697
Fuelwood	*76944	*103421	*98899	*95952	*93993	85594
Municipal waste	3421	3421	3421	3878	4449	4443
Others	3134	3053	3282	2711	2855	2637
Total input	1454323	1448469	1391150	1362974	1340024	1280750
Total production	517882	518260	474293	482947	476284	454637
Estimated efficiency (% of production to input)	36	36	34	35	36	35

Statistics on electricity

Cayman Islands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	640	666	671	658	696	668
Combustible fuels	640	666	671	658	696	668
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	640	666	671	658	696	668
Combustible fuels	640	666	671	658	696	668
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	640	666	671	658	696	668
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	38	40	29	9	6	3
Consumption	601	627	642	649	689	665
Energy industries own use	..	..	..	..	..	..
By industry and construction	308	311	312	318	330	292
By transport	..	..	..	..	..	..
By households and other cons.	293	316	330	331	359	373
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	132	161	161	161	161	161
Combustible fuels	132	161	161	161	161	161
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	132	161	161	161	161	161
Combustible fuels	132	161	161	161	161	161
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	5332	5246	5547	5586	6368	6105
Total input	5332	5246	5547	5586	6368	6105
Total production	2304	2398	2414	2368	2504	2404
Estimated efficiency (% of production to input)	43	46	44	42	39	39

Statistics on electricity

Central African Rep.

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	142	143	145	147	149	*150
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	141	142	144	146	148	*149
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	142	143	145	147	149	*150
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	141	142	144	146	148	*149
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	142	143	145	147	149	*150
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*10	*10	*10	*10	*10	*10
Consumption	*132	*133	*135	*137	*139	*140
Energy industries own use	..	..	..	..	..	..
By industry and construction	*65	*65	*65	*65	*65	*65
By transport	..	..	..	..	..	..
By households and other cons.	*67	*68	*70	*72	*74	*75
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*44	*44	*44	*44	*44	*44
Combustible fuels	*19	*19	*19	*19	*19	*19
Hydro	*25	*25	*25	*25	*25	*25
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*44	*44	*44	*44	*44	*44
Combustible fuels	*19	*19	*19	*19	*19	*19
Hydro	*25	*25	*25	*25	*25	*25
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*15	*15	*15	*15	*15	*15
Total input	*15	*15	*15	*15	*15	*15
Total production	*4	*4	*4	*4	*4	*4
Estimated efficiency (% of production to input)	24	24	24	24	24	24

Statistics on electricity

Chad

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	290	303	308	312	317	335
Combustible fuels	290	294	299	303	308	326
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	9	9	9	9	9
Main activity	290	303	308	312	317	335
Combustible fuels	290	294	299	303	308	326
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	9	9	9	9	9
Own use in electricity, CHP and heat plants	8	17	17	19	20	35
Net production	282	286	291	293	297	300
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*44	*44	*45	*45	*46	*47
Consumption	*235	*240	*242	*245	*249	*253
Energy industries own use	..	..	..	..	..	..
By industry and construction	*83	*83	*85	*86	*87	*85
By transport	..	..	..	..	..	..
By households and other cons.	*152	*157	*157	*159	*162	*168
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*86	*87	*87	*87	*87	*87
Combustible fuels	*86	*86	*86	*86	*86	*86
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	1	1	1	1	1
Main activity	*86	*87	*87	*87	*87	*87
Combustible fuels	*86	*86	*86	*86	*86	*86
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	1	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*2537	*2537	*2537	*2580	*2636	*2666
Total input	*2537	*2537	*2537	*2580	*2636	*2666
Total production	1044	1058	1076	1091	1109	1174
Estimated efficiency (% of production to input)	41	42	42	42	42	44

Statistics on electricity

Chile

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	75414	79335	79443	82339	84558	83994
Combustible fuels	48157	50973	50628	49952	50564	48331
Hydro	23881	23274	21315	23367	22477	21873
Nuclear	..	..	..	..	..	..
Other	3376	5088	7499	9020	11517	13790
Main activity	69193	72359	72059	75364	78033	77369
Combustible fuels	41983	44158	43290	43043	44076	41783
Hydro	23837	23113	21271	23307	22447	21816
Nuclear	..	..	..	..	..	..
Other	3373	5088	7497	9015	11510	13770
Own use in electricity, CHP and heat plants	3359	2855	2389	2431	2458	2393
Net production	72055	76480	77054	79908	82100	81600
Imports	0	0	0	0	..	..
Exports	..	2	39	..	..	..
Losses	3707	2873	4175	3511	3570	3281
Consumption	67650	70830	70350	73716	74843	75117
Energy industries own use	643	659	727	682	746	603
By industry and construction	42267	43611	41432	44091	44552	44810
By transport	1088	986	963	1151	1296	1289
By households and other cons.	23652	25574	27228	27792	28249	28416
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	21436	24530	26207	27534	27644	30001
Combustible fuels	13451	15695	16500	16877	16544	17564
Hydro	6499	6671	6656	6627	6341	6818
Nuclear	..	..	..	..	..	..
Other	1486	2164	3050	4030	4759	5619
Main activity	20108	22044	22538	23293	24288	25469
Combustible fuels	12132	13247	12842	12652	13234	13115
Hydro	6491	6635	6648	6619	6333	6768
Nuclear	..	..	..	..	..	..
Other	1485	2162	3047	4023	4721	5586
Combustible fuel input	Terajoules					
Hard Coal	279059	270189	281026	264847	310619	290873
Biogas	2794	2855	2904	3659	3327	2543
Gas-diesel oil	21586	21242	11459	7373	6717	10029
Fuel oil	3596	2868	3409	2074	1878	1897
Liquefied petroleum gas	47	..	117	35	14	30
Refinery gas	0	0	0	..	..	..
Petroleum coke	6533	7800	6663	7217	7345	4535
Natural gas	90267	99283	105835	100812	122629	117319
Fuelwood	*146365	*140409	*157602	*147965	*145882	*138302
Black liquor	*3083	*32244	*33359	*38481	*35206	*39536
Total input	553329	576891	602373	572464	633618	605063
Total production	173365	183503	182262	179829	182030	173991
Estimated efficiency (% of production to input)	31	32	30	31	29	29

Statistics on electricity

China

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5814573	6133158	6604476	7166133	7503458	7779060
Combustible fuels	4284188	4437068	4754595	5096318	5220150	5330250
Hydro	1130270	1184048	1197865	1231787	1304440	1355210
Nuclear	170789	213287	248100	294359	348350	366250
Other	229326	298755	403916	543669	630518	727350
Main activity	5467125	5773312	6218878	6752822	7080104	7346777
Combustible fuels	3936740	4077222	4368997	4683007	4796796	4897967
Hydro	1130270	1184048	1197865	1231787	1304440	1355210
Nuclear	170789	213287	248100	294359	348350	366250
Other	229326	298755	403916	543669	630518	727350
Own use in electricity, CHP and heat plants	444674	491447	509662	553523	570341	588602
Net production	5369899	5641711	6094814	6612610	6933117	7190458
Imports	6210	6185	6423	5688	4860	4750
Exports	18654	18907	19470	20906	21650	21790
Losses	298786	306293	319583	335171	333010	323350
Consumption	5058539	5322766	5762182	6262126	6583287	6850062
Energy industries own use	227134	230305	246475	261166	284598	282496
By industry and construction	3254273	3344203	3608516	3848414	3981029	4142006
By transport	112561	125149	141798	160850	175230	*175100
By households and other cons.	1464571	1623109	1765392	1991696	2142430	2250460
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1619480	1749872	1824130	1952048	2064680	2258250
Combustible fuels	1095840	1160274	1149480	1195998	1244540	1302840
Hydro	319540	332071	344110	352590	358040	370280
Nuclear	27170	33642	35820	44660	48740	49890
Other	176930	223885	294720	358800	413360	535240
Main activity	1529180	1650542	1779600	1900858	2009710	2201650
Combustible fuels	1005540	1060944	1104950	1144808	1189570	1246240
Hydro	319540	332071	344110	352590	358040	370280
Nuclear	27170	33642	35820	44660	48740	49890
Other	176930	223885	294720	358800	413360	535240
Combustible fuel input	Terajoules					
Hard Coal	36400310	37620001	39931035	42227542	43183471	43296262
Fuel oil	12734	12577	6714	6117	5632	11890
Refinery gas	24958	27938	33180	29928	26032	24844
Petroleum coke	44288	49280	47405	59387	58884	61711
Natural gas	1471872	1724728	1863643	2155130	2230440	2483374
Coke-oven gas	298379	339733	342407	326295	365890	383198
Blast furnace gas	586300	681240	721500	920268	980540	1173008
Vegetal waste	310173	356699	412563	420814	420814	420814
Industrial waste	158824	164349	192755	182040	188997	149830
Other recovered gases	..	..	..	..	155960	171071
Others	113227	139986	167853	242644	26065	28104
Total input	39421065	41116530	43719054	46570164	47642724	48204106
Total production	15423077	15973445	17116542	18346745	18792540	19188900
Estimated efficiency (% of production to input)	39	39	39	39	39	40

Statistics on electricity

China, Hong Kong SAR

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	37924	38154	36970	36565	36911	35189
Combustible fuels	37924	38154	36970	36565	36911	35189
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	37924	38154	36970	36565	36911	35189
Combustible fuels	37924	38154	36970	36565	36911	35189
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	37924	38154	36970	36565	36911	35189
Imports	11742	11621	12576	12599	12381	12699
Exports	1187	1205	1341	556	..	..
Losses	4567	4542	4373	4303	4373	3687
Consumption	43912	44028	43832	44305	44919	44201
Energy industries own use	..	..	..	..	..	..
By industry and construction	3177	3126	3110	3078	3004	2965
By transport	..	..	..	..	..	..
By households and other cons.	40735	40902	40722	41227	41915	41236
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	12625	12625	12492	12282	12225	13129
Combustible fuels	12625	12625	12492	12282	12225	13129
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	12625	12625	12492	12282	12225	13129
Combustible fuels	12625	12625	12492	12282	12225	13129
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	280287	280313	262592	269686	258248	137509
Gas-diesel oil	2623	3827	4257	3182	2236	2150
Fuel oil	0	0	0	..	..	..
Natural gas	103478	106574	106754	103006	108340	172268
Total input	386388	390714	373603	375874	368824	311927
Total production	136526	137354	133092	131634	132880	126680
Estimated efficiency (% of production to input)	35	35	36	35	36	41

Statistics on electricity

China, Macao SAR

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	950	988	1465	653	830	562
Combustible fuels	950	988	1465	653	830	562
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	753	787	1260	474	613	373
Combustible fuels	753	787	1260	474	613	373
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	11	98	108	98	100	87
Net production	939	890	1357	555	730	475
Imports	4054	4306	3952	4911	4976	4853
Exports	..	..	..	..	..	..
Losses	124	158	139	150	157	136
Consumption	4918	5050	5171	5321	5550	5192
Energy industries own use	2	2	2	2	..	..
By industry and construction	253	218	204	193	184	173
By transport	..	..	..	..	..	..
By households and other cons.	4663	4830	4965	5126	5366	5019
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	501	501	437	437	437	437
Combustible fuels	501	501	437	437	437	437
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	472	472	408	408	408	408
Combustible fuels	472	472	408	408	408	408
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	430	86	43	0	86	0
Fuel oil	5616	6100	4727	1697	1333	1252
Natural gas	0	0	6344	2902	4531	2312
Municipal waste	*3252	*3384	*3339	*3386	*3878	*3423
Total input	9298	9570	14453	7985	9828	6987
Total production	3420	3555	5275	2350	2987	2024
Estimated efficiency (% of production to input)	37	37	36	29	30	29

Statistics on electricity

Colombia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	75139	74574	75125	78426	80415	79550
Combustible fuels	30272	27605	17641	21563	25622	29361
Hydro	44798	46918	57476	56809	54594	49977
Nuclear	..	..	..	..	..	..
Other	68	51	8	54	200	211
Main activity	66548	65933	66557	68943	69377	68541
Combustible fuels	21798	19094	9221	12241	14749	18503
Hydro	44682	46788	57328	56648	54437	49837
Nuclear	..	..	..	..	..	..
Other	68	51	8	54	191	201
Own use in electricity, CHP and heat plants	116	130	148	161	2184	2463
Net production	75023	74444	74977	78265	78231	77087
Imports	45	378	78	122	312	1302
Exports	460	45	9	16	0	251
Losses	7118	7000	5560	8155	5724	6160
Consumption	67172	67467	69136	69902	74225	72136
Energy industries own use	7635	7629	7905	8371	6737	6449
By industry and construction	18535	18622	19289	19646	22640	20286
By transport	91	96	97	104	94	88
By households and other cons.	40911	41121	41846	41781	44754	45312
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	17753	17691	17931	18889	19496	19758
Combustible fuels	6093	5972	6084	6854	7339	7503
Hydro	11576	11700	11820	11931	12014	12039
Nuclear	..	..	..	..	..	..
Other	84	18	28	*104	144	216
Main activity	16133	16067	16307	17265	17402	17644
Combustible fuels	4565	4442	4554	5324	5339	5503
Hydro	11484	11606	11726	11837	11920	11945
Nuclear	..	..	..	..	..	..
Other	84	18	28	*104	144	196
Combustible fuel input	Terajoules					
Hard Coal	65820	65499	32505	45585	88207	97842
Biogas	..	..	..	..	5	1
Crude oil	10157	11018	11715	11880	12575	12120
Gas-diesel oil	11650	12638	13438	13627	14325	13728
Fuel oil	0	0	0	0	520	255
Liquefied petroleum gas	1172	1224	1405	1381	..	..
Natural gas	40760	42708	45918	48447	95358	139282
Blast furnace gas	410	384	346	349	360	279
Bagasse	7260	7742	7536	56019	84032	92837
Total input	137228	141212	112863	177288	295383	356344
Total production	108980	99379	63508	77626	92237	105701
Estimated efficiency (% of production to input)	79	70	56	44	31	30

Statistics on electricity

Comoros

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*53	*58	*91	*98	*108	*130
Combustible fuels	*53	*58	*91	*98	*108	*130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*53	*58	*91	*98	*108	*130
Combustible fuels	*53	*58	*91	*98	*108	*130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*6	*7	*11	*9	*10	*11
Net production	*47	*51	*80	*90	*99	*119
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*12	*14	*22	*16	*18	*21
Consumption	*34	*38	*58	*74	*81	*98
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*34	*38	*58	*74	*81	*98
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*27	*27	*35	*35	*35	*35
Combustible fuels	*26	*26	*34	*34	*34	*34
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*26	*26	*34	*34	*34	*34
Combustible fuels	*26	*26	*34	*34	*34	*34
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*668	*738	*1147	*1243	*1368	*1651
Total input	*668	*738	*1147	*1243	*1368	*1651
Total production	*190	*210	*327	*354	*390	*468
Estimated efficiency (% of production to input)	28	29	29	28	29	28

Statistics on electricity

Congo

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2770	2953	2965	3096	3655	3833
Combustible fuels	1671	1825	1761	2001	2807	2931
Hydro	1098	1127	1203	1094	847	900
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Main activity	1099	1128	1204	1095	848	901
Combustible fuels	..	..	..	..	..	..
Hydro	1098	1127	1203	1094	847	900
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Own use in electricity, CHP and heat plants	311	332	331	346	408	428
Net production	2459	2621	2633	2750	3247	3405
Imports	13	21	22	28	23	18
Exports	33	22	22	26	44	16
Losses	1234	1362	1324	1384	1623	1713
Consumption	1318	1439	1555	1530	1544	1494
Energy industries own use	..	..	..	..	..	..
By industry and construction	75	84	103	98	98	90
By transport	..	..	..	..	..	..
By households and other cons.	1243	1355	1451	1431	1446	1404
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*654	*654	*660	*660	*660	*830
Combustible fuels	*445	*445	*445	*445	*445	*615
Hydro	209	*209	214	214	214	214
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	1
Main activity	250	*250	256	256	256	256
Combustible fuels	41	*41	*41	*41	*41	*41
Hydro	209	*209	214	214	214	214
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	2709	2107	1258	1429	2005	2094
Fuel oil	687	485	375	426	598	624
Natural gas	19968	22868	24045	27316	38328	40024
Total input	23364	25460	25678	29171	40931	42742
Total production	6016	6570	6340	7202	10106	10553
Estimated efficiency (% of production to input)	26	26	25	25	25	25

Statistics on electricity

Cook Islands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	33	35	38	47	44	40
Combustible fuels	29	30	31	31	29	25
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	6	7	16	15	*15
Main activity	33	35	38	47	44	40
Combustible fuels	29	30	31	31	29	25
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	6	7	16	15	*15
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	33	35	38	47	44	40
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*3	*3	*3	*4	*4	*3
Consumption	*30	*33	*35	*44	*41	*37
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*30	*33	*35	*44	*41	*37
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*14	*14	*14	*16	*16	*16
Combustible fuels	*11	*11	*11	*11	*11	*11
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	5	5	5
Main activity	*14	*14	*14	*16	*16	*16
Combustible fuels	*11	*11	*11	*11	*11	*11
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	5	5	5
Combustible fuel input	Terajoules					
Gas-diesel oil	*301	*314	*344	*348	*323	*280
Total input	*301	*314	*344	*348	*323	*280
Total production	105	107	111	111	104	90
Estimated efficiency (% of production to input)	35	34	32	32	32	32

Statistics on electricity

Costa Rica

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10812	10932	11359	11528	11508	11743
Combustible fuels	287	389	237	358	295	225
Hydro	8067	8026	8677	8343	7827	8294
Nuclear	..	..	..	..	..	..
Other	2458	2517	2445	2827	3386	3224
Main activity	7797	10707	11123	11279	11241	11476
Combustible fuels	108	193	37	159	96	24
Hydro	6256	8026	8677	8343	7827	8294
Nuclear	..	..	..	..	..	..
Other	1433	2488	2408	2777	3319	3158
Own use in electricity, CHP and heat plants	124	115	120	121	242	275
Net production	10688	10817	11240	11407	11266	11468
Imports	537	807	551	572	340	118
Exports	643	657	741	813	323	624
Losses	1161	1279	1295	1313	1059	1043
Consumption	9428	9688	9804	9892	10190	9905
Energy industries own use	..	..	..	..	..	..
By industry and construction	1873	1898	1967	1876	2018	1970
By transport	..	..	..	..	..	..
By households and other cons.	7556	7790	7836	8016	8172	7935
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3626	3490	3564	3646	3624	3602
Combustible fuels	661	615	616	628	549	549
Hydro	2152	2328	2328	2359	2343	2331
Nuclear	..	..	..	..	..	..
Other	*813	547	621	659	732	721
Main activity	3061	3427	3490	3551	3495	3466
Combustible fuels	636	572	572	572	474	474
Hydro	1942	2328	2328	2359	2343	2331
Nuclear	..	..	..	..	..	..
Other	483	527	590	620	678	661
Combustible fuel input	Terajoules					
Biogas	1	4	4	7	10	9
Gas-diesel oil	56	161	29	131	55	13
Fuel oil	892	1558	334	1285	792	258
Bagasse	1196	1188	1198	1158	1162	1158
Vegetal waste	118	209	217	232	2238	2235
Total input	2264	3120	1782	2814	4257	3673
Total production	1035	1401	853	1290	1064	809
Estimated efficiency (% of production to input)	46	45	48	46	25	22

Statistics on electricity

Côte d'Ivoire

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8711	10253	10121	10058	10697	11274
Combustible fuels	7359	8724	8074	7096	7197	7887
Hydro	1352	1529	2047	2962	3481	3376
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	18	11
Main activity	8606	10080	9948	9997	10631	11202
Combustible fuels	7254	8551	7901	7035	7132	7815
Hydro	1352	1529	2047	2962	3481	3376
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	18	11
Own use in electricity, CHP and heat plants	436	513	1420	192	382	202
Net production	8275	9740	8701	9866	10315	11073
Imports	23	19	37	102	77	152
Exports	872	1877	1247	1156	1255	1333
Losses	1744	1627	1197	1874	1957	1737
Consumption	6023	6615	6318	6927	7297	8144
Energy industries own use	..	..	..	1	1	1
By industry and construction	2011	2177	2177	1989	2124	2448
By transport	..	..	..	..	..	..
By households and other cons.	4012	4438	4141	4937	5173	5695
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1914	1914	2203	2192	2233	2242
Combustible fuels	1305	1305	1316	1305	1346	1350
Hydro	604	604	879	879	879	879
Nuclear	..	..	..	..	..	..
Other	5	5	8	8	8	13
Main activity	1891	1891	2180	2169	2210	2219
Combustible fuels	1282	1282	1293	1282	1323	1327
Hydro	604	604	879	879	879	879
Nuclear	..	..	..	..	..	..
Other	5	5	8	8	8	13
Combustible fuel input	Terajoules					
Gas-diesel oil	129	99	86	86	94	86
Fuel oil	4848	893	889	40	10	121
Natural gas	67526	81287	73437	64897	69186	70057
Vegetal waste	1885	1926	1941	2087	2217	2260
Total input	74388	84204	76353	67110	71507	72524
Total production	26492	31405	29066	25546	25911	28394
Estimated efficiency (% of production to input)	36	37	38	38	36	39

Statistics on electricity

Croatia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	11403	12820	11984	13632	12760	13385
Combustible fuels	3994	4682	5193	4435	5185	5665
Hydro	6556	7058	5508	7785	5933	5810
Nuclear	..	..	..	..	..	..
Other	853	1080	1283	1412	1642	1910
Main activity	11087	12482	11564	13259	12385	12980
Combustible fuels	3684	4351	4779	4068	4816	5266
Hydro	6550	7051	5502	7779	5927	5805
Nuclear	..	..	..	..	..	..
Other	853	1080	1283	1412	1642	1910
Own use in electricity, CHP and heat plants	420	536	461	450	510	510
Net production	10983	12284	11523	13182	12250	12875
Imports	13158	12398	12158	12693	11401	10491
Exports	6369	6867	5204	7306	5268	5852
Losses	1802	1806	1765	1824	1659	1725
Consumption	15970	16009	16711	16745	16724	15789
Energy industries own use	627	709	733	570	569	574
By industry and construction	3429	3426	3607	3683	3613	3575
By transport	245	251	267	282	273	262
By households and other cons.	11669	11623	12104	12210	12270	11378
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4764	4794	4970	5006	4713	4663
Combustible fuels	2124	2082	2141	2142	1771	1543
Hydro	2207	2175	2193	2200	2200	2200
Nuclear	..	..	..	..	..	..
Other	*433	537	636	664	742	921
Main activity	4597	4627	4811	4841	4548	4499
Combustible fuels	1959	1917	1984	1980	1609	1381
Hydro	2205	2173	2190	2197	2197	2197
Nuclear	..	..	..	..	..	..
Other	*433	537	636	664	742	921
Combustible fuel input	Terajoules					
Hard Coal	21951	24409	13219	12359	14263	10909
Brown Coal	128	152	144	108	99	48
Biogas	1438	1881	2644	3062	3421	3461
Gas-diesel oil	86	43	73	39	43	47
Fuel oil	2303	404	1693	319	226	113
Refinery gas	149	149	228	233	59	144
Natural gas	17107	20405	31889	24895	27273	33607
Fuelwood	*2189	*3730	*4245	*7004	*8984	*9524
Total input	45350	51173	54135	48018	54369	57854
Total production	14378	16855	18695	15964	18667	20394
Estimated efficiency (% of production to input)	32	33	35	33	34	35

Statistics on electricity

Cuba

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	20288	20459	20558	20837	21078	19428
Combustible fuels	20190	20334	20394	20524	20703	19055
Hydro	48	64	83	146	125	112
Nuclear	..	..	..	..	..	..
Other	*50	*60	*81	*168	*251	*261
Main activity	19390	19509	19595	20074	20236	18530
Combustible fuels	19292	19385	19431	19761	19861	18157
Hydro	48	64	83	146	125	112
Nuclear	..	..	..	..	..	..
Other	*50	*60	*81	*168	*251	*261
Own use in electricity, CHP and heat plants	993	1058	1891	1958	2319	1999
Net production	19295	19400	18667	18879	18759	17429
Imports	..	..	..	..	449	1402
Exports	..	..	..	..	..	..
Losses	3135	3117	3177	3290	3429	3427
Consumption	16160	16283	15490	15589	15691	14972
Energy industries own use	..	..	..	..	..	..
By industry and construction	3793	3772	3067	3060	2930	2514
By transport	312	287	293	290	288	257
By households and other cons.	12056	12224	12130	12239	12473	12202
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6314	6454	6476	6661	6508	6660
Combustible fuels	6217	6341	6325	6458	6285	6374
Hydro	63	66	66	64	64	65
Nuclear	..	..	..	..	..	..
Other	*34	*47	*85	*139	*159	*222
Main activity	5785	5960	5945	6108	6049	6095
Combustible fuels	5688	5847	5794	5905	5826	5809
Hydro	63	66	66	64	64	65
Nuclear	..	..	..	..	..	..
Other	*34	*47	*85	*139	*159	*222
Combustible fuel input	Terajoules					
Gas-diesel oil	*19823	*13721	22545	27825	19322	16382
Fuel oil	168440	171203	143973	148147	129322	150753
Natural gas	*16705	*15913	*15456	*24946	*20628	*15547
Bagasse	13251	*13128	*12996	*10298	*11363	*13547
Total input	218219	213965	194971	211216	180636	196228
Total production	72683	73203	73418	73885	74531	68598
Estimated efficiency (% of production to input)	33	34	38	35	41	35

Statistics on electricity

Curaçao

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	878	884	891	866	879	839
Combustible fuels	737	735	702	612	651	626
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	141	149	189	254	228	214
Main activity	675	724	817	752	836	815
Combustible fuels	534	575	628	498	608	601
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	141	149	189	254	228	214
Own use in electricity, CHP and heat plants	18	18	18	17	18	17
Net production	860	866	874	849	862	822
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	96	97	98	95	96	92
Consumption	764	769	776	754	765	730
Energy industries own use	73	54	40	37	..	..
By industry and construction	209	209	203	183	237	207
By transport	..	..	..	..	..	..
By households and other cons.	482	506	533	533	528	524
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	301	*307	*257	*257	*216	*197
Combustible fuels	262	*262	*200	*200	*159	*140
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	39	45	57	57	57	57
Main activity	155	*161	*173	*173	*183	*177
Combustible fuels	116	*116	*116	*116	*126	*120
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	39	45	57	57	57	57
Combustible fuel input	Terajoules					
Gas-diesel oil	1462	2322	2004	2810	5135	4751
Fuel oil	6222	6262	5363	3649	2091	1180
Total input	7684	8584	7367	6459	7227	5931
Total production	2653	2646	2528	2204	2344	2252
Estimated efficiency (% of production to input)	35	31	34	34	32	38

Statistics on electricity

Cyprus

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4533	4887	5004	5061	5141	4849
Combustible fuels	4186	4515	4621	4640	4685	4313
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	347	372	383	421	457	536
Main activity	4447	4789	4896	4938	5003	4699
Combustible fuels	4142	4469	4574	4589	4633	4261
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	305	320	322	349	370	438
Own use in electricity, CHP and heat plants	219	219	226	233	228	199
Net production	4314	4668	4778	4827	4914	4650
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	215	263	228	158	184	240
Consumption	4098	4404	4547	4670	4730	4384
Energy industries own use	7	5	5	6	7	7
By industry and construction	459	486	518	530	532	532
By transport	..	..	..	..	..	..
By households and other cons.	3632	3913	4024	4135	4192	3845
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1752	1756	1782	1794	1819	1897
Combustible fuels	1519	1515	1515	1517	1510	1510
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	234	242	268	276	309	387
Main activity	1685	1689	1710	1716	1726	1775
Combustible fuels	1478	1478	1478	1481	1481	1481
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	208	212	233	236	246	295
Combustible fuel input	Terajoules					
Biogas	309	312	323	347	345	337
Gas-diesel oil	3913	6536	11044	10668	11200	14798
Fuel oil	34663	35673	31461	32492	31148	24342
Total input	38885	42521	42828	43507	42693	39477
Total production	15070	16254	16635	16704	16865	15527
Estimated efficiency (% of production to input)	39	38	39	38	40	39

Statistics on electricity

Czechia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	83892	83309	87050	88032	87031	81517
Combustible fuels	51063	53279	52783	52338	50474	44933
Hydro	3071	3202	3040	2679	3175	3437
Nuclear	26841	24104	28340	29921	30246	30043
Other	2917	2724	2888	3093	3136	3104
Main activity	74637	73864	77939	79247	78293	72451
Combustible fuels	42427	44503	44360	44147	42409	36600
Hydro	2505	2604	2429	2185	2600	2793
Nuclear	26841	24104	28340	29921	30246	30043
Other	2864	2653	2810	2994	3038	3015
Own use in electricity, CHP and heat plants	6976	6911	7164	7171	6914	6450
Net production	76916	76398	79886	80861	80116	75067
Imports	16146	13817	15072	11573	11026	13368
Exports	28661	24791	28109	25481	24123	23521
Losses	4067	4080	4375	4269	4300	4117
Consumption	58045	59200	60663	61207	61542	60183
Energy industries own use	3568	3348	3256	3104	3126	3154
By industry and construction	22645	23006	23902	24302	24277	23051
By transport	1609	1636	1698	1753	1767	1644
By households and other cons.	30223	31210	31807	32047	32372	32334
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	21866	21989	22267	22295	22011	21402
Combustible fuels	12960	13087	13334	13350	13031	12384
Hydro	2260	2262	2265	2264	2265	2265
Nuclear	4290	4290	4290	4290	4290	4290
Other	2356	2350	2378	2391	2425	2462
Main activity	19990	20096	20331	20367	20086	19581
Combustible fuels	11275	11385	11582	11605	11290	10748
Hydro	2069	2071	2081	2081	2081	2081
Nuclear	4290	4290	4290	4290	4290	4290
Other	2356	2350	2378	2391	2425	2462
Combustible fuel input	Terajoules					
Hard Coal	95799	96998	81242	63568	44608	40462
Brown Coal	417365	416741	417690	424949	392506	324139
Biogas	19813	18272	18808	18899	18072	18443
Refinery gas	743	594	891	990	1139	743
Natural gas	28224	38346	36325	36523	50251	59542
Gasworks gas	16474	16658	14892	13502	12354	9070
Coke-oven gas	5278	4717	6613	6199	5634	5422
Blast furnace gas	7840	8150	6694	7565	6343	6417
Fuelwood	*24479	*25123	*27123	*25858	*28868	*30812
Municipal waste	3953	4440	4868	4524	4798	5203
Others	2783	2508	2661	2389	2471	1897
Total input	622751	632547	617808	604965	567044	502149
Total production	183827	191804	190019	188417	181706	161757
Estimated efficiency (% of production to input)	30	30	31	31	32	32

Statistics on electricity

Dem. Rep. of the Congo

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9168	9441	9988	12067	12060	12929
Combustible fuels	*252	*342	*506	976	*985	*985
Hydro	8916	9099	9482	11064	11045	11914
Nuclear	..	..	..	..	..	..
Other	..	..	..	27	29	30
Main activity	8928	9111	9330	10756	10896	11749
Combustible fuels	12	12	6	5	5	5
Hydro	8916	9099	9324	10724	10861	11713
Nuclear	..	..	..	..	..	..
Other	..	..	..	27	29	30
Own use in electricity, CHP and heat plants	*240	*624	*611	919	*747	*1095
Net production	8928	8817	9377	11148	11313	11834
Imports	20	20	668	799	385	410
Exports	422	420	62	70	248	174
Losses	1260	1216	1443	1891	2142	2310
Consumption	7266	7201	8540	9986	9308	9761
Energy industries own use	..	..	17	21	25	27
By industry and construction	3994	4048	5943	7385	6235	6446
By transport	0	0	10	10	11	12
By households and other cons.	3272	3153	2570	2570	3038	3276
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*2629	*2752	3120	3179	*3197	*3197
Combustible fuels	*200	*210	122	155	*162	*162
Hydro	*2429	*2542	2998	3005	*3015	*3015
Nuclear	..	..	..	..	..	..
Other	..	..	..	19	20	20
Main activity	*2100	*2110	2539	2578	*2579	*2579
Combustible fuels	*100	*110	29	32	*32	*32
Hydro	*2000	*2000	2510	2527	*2527	*2527
Nuclear	..	..	..	..	..	..
Other	..	..	..	19	20	20
Combustible fuel input	Terajoules					
Gas-diesel oil	129	129	75	43	64	63
Fuel oil	*687	*1454	*2990	*6222	*6302	*6302
Natural gas	46	14	12	12	..	..
Bagasse	3014	3115	3014	4654	4131	4131
Total input	3876	4712	6091	*10931	*10498	*10497
Total production	*907	*1231	*1822	3514	*3547	*3547
Estimated efficiency (% of production to input)	23	26	30	32	34	34

Statistics on electricity

Denmark

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	28942	30541	31023	30370	29523	28733
Combustible fuels	14187	16996	15473	15500	12393	11205
Hydro	18	19	18	15	17	17
Nuclear	..	..	..	..	..	..
Other	14737	13526	15531	14855	17113	17511
Main activity	26148	27762	28192	27273	26321	25315
Combustible fuels	11997	14961	13394	13356	10154	8967
Hydro	18	19	18	15	17	17
Nuclear	..	..	..	..	..	..
Other	14133	12782	14780	13902	16150	16330
Own use in electricity, CHP and heat plants	1020	1460	1384	1054	833	852
Net production	27922	29081	29638	29315	28690	27881
Imports	15645	14976	15218	15634	15982	18594
Exports	9733	9919	10655	10409	10171	11711
Losses	1765	1873	1659	2089	1606	1061
Consumption	31749	32045	32297	32105	32442	32804
Energy industries own use	940	950	1223	1187	1592	1574
By industry and construction	8364	8422	8573	8640	8319	8606
By transport	397	447	439	440	462	519
By households and other cons.	22048	22226	22062	21838	22069	22105
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	14002	14226	14318	14983	15135	15489
Combustible fuels	8136	8120	7916	7863	7945	7918
Hydro	7	9	7	7	7	7
Nuclear	..	..	..	..	..	..
Other	5859	6097	6395	7113	7183	7564
Main activity	12605	12756	12782	13345	13468	13598
Combustible fuels	7521	7501	7286	7223	7358	7332
Hydro	7	9	7	7	7	7
Nuclear	..	..	..	..	..	..
Other	5077	5246	5489	6115	6103	6259
Combustible fuel input	Terajoules					
Hard Coal	71432	83290	60485	68306	33508	28874
Biogas	4280	4554	5044	5371	5512	5833
Gas-diesel oil	301	301	463	357	614	451
Fuel oil	1576	1495	1248	1063	844	917
Refinery gas	1485	1535	1357	1491	1461	1560
Natural gas	20326	24090	21735	21473	21330	12271
Fuelwood	*39736	*45940	*61165	*59101	*60800	*63593
Vegetal waste	0	0	0	0	0	0
Municipal waste	34362	34457	34723	33573	35066	35355
Other liquid biofuels	82	27	9	10	0	0
Others	47	47	20	1	..	..
Total input	173628	195736	186249	190746	159135	148854
Total production	51073	61186	55704	55800	44614	40339
Estimated efficiency (% of production to input)	29	31	30	29	28	27

Statistics on electricity

Djibouti

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	178	88	*59	55	92	126
Combustible fuels	178	88	*59	55	91	125
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	*1
Main activity	178	88	*59	55	92	126
Combustible fuels	178	88	*59	55	91	125
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	*1
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	178	88	*59	55	92	126
Imports	314	450	508	526	*514	502
Exports	..	..	..	..	..	..
Losses	*98	*107	*113	*115	*120	*125
Consumption	*397	*423	*461	*469	*502	*517
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*397	*423	*461	*469	*502	*517
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	130	130	130	130	130	130
Combustible fuels	130	130	130	130	130	130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	130	130	130	130	130	130
Combustible fuels	130	130	130	130	130	130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*1849	*903	*602	*563	*937	*1256
Total input	*1849	*903	*602	*563	*937	*1256
Total production	640	316	*211	197	329	451
Estimated efficiency (% of production to input)	35	35	35	35	35	36

Statistics on electricity

Dominica

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	152	157	131	*110	138	142
Combustible fuels	127	120	103	*85	117	122
Hydro	24	36	27	24	20	19
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	*1	*1
Main activity	108	113	87	66	94	98
Combustible fuels	83	75	58	41	73	78
Hydro	24	36	27	24	20	19
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	*1	*1
Own use in electricity, CHP and heat plants	5	5	5	4	*5	*5
Net production	147	152	126	*106	133	137
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	8	9	5	6	*8	*8
Consumption	*140	*144	*122	*101	*126	*129
Energy industries own use	..	..	..	..	..	..
By industry and construction	*21	*22	*21	*22	*27	*28
By transport	..	..	..	..	..	..
By households and other cons.	*119	*122	*101	*79	*99	*101
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	42	42	42	40	40	40
Combustible fuels	35	35	35	35	35	35
Hydro	7	7	7	5	5	5
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	1	1
Main activity	27	28	28	25	25	25
Combustible fuels	20	20	20	20	20	20
Hydro	7	7	7	5	5	5
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	787	718	559	*464	*773	*710
Fuel oil	*570	*543	*489	*500	*502	*485
Total input	1357	1261	1048	*964	*1276	*1194
Total production	456	430	369	*307	422	439
Estimated efficiency (% of production to input)	34	34	35	32	33	37

Statistics on electricity

Dominican Republic

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17922	18690	19036	19651	19857	16629
Combustible fuels	16654	16773	16309	17144	18121	13880
Hydro	945	1519	2196	1780	928	1176
Nuclear	..	..	..	..	..	..
Other	322	398	530	728	807	1573
Main activity	15948	16728	17117	17640	16345	14456
Combustible fuels	14718	14869	14489	15288	14774	11985
Hydro	940	1513	2190	1773	928	1176
Nuclear	..	..	..	..	..	..
Other	290	347	438	580	643	1294
Own use in electricity, CHP and heat plants	673	687	665	693	700	586
Net production	17249	18003	18371	18958	19157	16043
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2297	2412	2473	2549	2576	2157
Consumption	14952	15591	15887	16409	18196	15559
Energy industries own use	..	..	..	..	..	..
By industry and construction	5029	5294	5612	5789	6420	5489
By transport	54	54	51	57	63	54
By households and other cons.	9870	10244	10224	10563	11713	10016
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5228	5204	5133	5276	5994	*4739
Combustible fuels	4503	4382	4276	4271	4995	*3740
Hydro	617	619	619	619	623	623
Nuclear	..	..	..	..	..	..
Other	108	203	238	387	376	375
Main activity	3710	3810	3839	3971	4639	*3898
Combustible fuels	3009	3028	3057	3082	3740	*3000
Hydro	616	617	617	617	623	623
Nuclear	..	..	..	..	..	..
Other	85	165	165	271	276	275
Combustible fuel input	Terajoules					
Hard Coal	24415	25026	26458	25143	27675	27748
Biogas	*137	*157	*157	*157	*157	*157
Motor gasoline	656	660	647	638	600	236
Gas-diesel oil	20160	19774	13077	15240	14041	5536
Fuel oil	64644	67117	55756	69764	73595	44351
Natural gas	36429	34241	40211	39774	45163	47246
Bagasse	657	755	1958	2640	3288	2671
Vegetal waste	129	134	142	151	*150	*150
Total input	147226	147863	138406	153507	164669	128095
Total production	59956	60384	58714	61717	65236	49967
Estimated efficiency (% of production to input)	41	41	42	40	40	39

Statistics on electricity

Ecuador

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	25950	27314	28033	29244	32284	31248
Combustible fuels	12719	11357	7833	8447	7520	6800
Hydro	13096	15834	20089	20678	24641	24333
Nuclear	..	..	..	..	..	..
Other	135	123	111	118	123	115
Main activity	21756	22658	23006	23750	26369	25612
Combustible fuels	9223	7422	3878	4318	3266	2751
Hydro	12399	15114	19017	19313	22980	22747
Nuclear	..	..	..	..	..	..
Other	135	123	111	118	123	115
Own use in electricity, CHP and heat plants	522	456	383	414	380	317
Net production	25428	26858	27650	28829	31904	30931
Imports	512	82	19	106	6	251
Exports	46	402	212	256	1827	1341
Losses	3344	3499	3516	3783	4278	4421
Consumption	22549	23038	23972	24908	25289	25418
Energy industries own use	..	..	..	..	..	..
By industry and construction	8580	8919	9469	10559	10385	10696
By transport	10	10	10	11	11	11
By households and other cons.	13960	14109	14493	14339	14893	14711
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6545	7607	7445	8048	8073	8095
Combustible fuels	3969	3142	2912	2964	2978	2983
Hydro	2529	4418	4486	5036	5047	5064
Nuclear	..	..	..	..	..	..
Other	47	47	47	48	48	48
Main activity	5557	6517	6236	6731	6727	6764
Combustible fuels	3109	2179	1879	1874	1860	1889
Hydro	2402	4291	4310	4809	4819	4826
Nuclear	..	..	..	..	..	..
Other	47	47	47	48	48	48
Combustible fuel input	Terajoules					
Biogas	479	282	567	925	867	929
Crude oil	10408	13559	14061	15659	16505	16632
Gas-diesel oil	29423	25322	14792	15622	17393	16480
Fuel oil	47857	37306	21146	27762	20004	15573
Liquefied petroleum gas	676	802	686	763	609	643
Other oil products	8377	6881	3949	3970	2168	1331
Natural gas	25306	25725	23122	19864	17752	15330
Bagasse	3481	3069	3117	2767	2992	3086
Total input	126007	112947	81440	87333	78289	70005
Total production	45789	40886	28200	30410	27073	24480
Estimated efficiency (% of production to input)	36	36	35	35	35	35

Statistics on electricity

Egypt

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	180377	191920	195150	202838	194279	197201
Combustible fuels	165347	176234	179520	187341	175998	173500
Hydro	13432	13460	12850	12726	13121	15038
Nuclear	..	..	..	..	..	..
Other	1598	2226	2780	2771	5160	8663
Main activity	174875	186320	189550	196760	182725	185793
Combustible fuels	159845	170634	173920	181263	164444	162092
Hydro	13432	13460	12850	12726	13121	15038
Nuclear	..	..	..	..	..	..
Other	1598	2226	2780	2771	5160	8663
Own use in electricity, CHP and heat plants	4738	4068	7903	6156	6386	5919
Net production	175639	187852	187247	196682	187893	191282
Imports	43	54	65	81	74	95
Exports	1158	747	333	425	360	885
Losses	20389	23037	34012	*30502	31623	33117
Consumption	154205	162275	151606	165610	156340	157435
Energy industries own use	..	..	..	..	..	..
By industry and construction	39187	40316	41479	43623	46884	42616
By transport	601	582	534	321	530	549
By households and other cons.	114417	121377	109593	121666	108925	114270
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	37268	40905	47056	56574	58353	59530
Combustible fuels	33781	37218	43369	52585	53394	53802
Hydro	2800	2800	2800	2832	2832	2832
Nuclear	..	..	..	..	..	..
Other	687	887	887	1157	2127	2896
Main activity	35220	38857	45008	54526	56305	57482
Combustible fuels	31733	35170	41321	50537	51346	51754
Hydro	2800	2800	2800	2832	2832	2832
Nuclear	..	..	..	..	..	..
Other	687	887	887	1157	2127	2896
Combustible fuel input	Terajoules					
Gas-diesel oil	50654	23779	24024	8729	2330	2270
Fuel oil	361903	294152	243208	228826	276934	75063
Natural gas	1067300	1182860	1312666	1303341	1504109	1335003
Bagasse	*5722	*5668	*5668	*5730	*5753	*5830
Total input	1485579	1506459	1585567	1546625	1789127	1418166
Total production	595249	634442	646272	674428	633594	624600
Estimated efficiency (% of production to input)	40	42	41	44	35	44

Statistics on electricity

El Salvador

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6065	6089	5494	5359	6070	6350
Combustible fuels	3095	3145	2083	1937	2582	1790
Hydro	1423	1344	1704	1631	1526	2084
Nuclear	..	..	..	..	..	..
Other	1547	1600	1707	1792	1963	2475
Main activity	5425	5942	5326	5132	5688	5822
Combustible fuels	2532	3106	2043	1910	2553	1763
Hydro	1353	1261	1619	1548	1445	1990
Nuclear	..	..	..	..	..	..
Other	1540	1576	1664	1675	1690	2069
Own use in electricity, CHP and heat plants	233	243	447	360	398	373
Net production	5832	5846	5046	4999	5672	5977
Imports	963	1066	1675	1824	1450	774
Exports	64	77	90	65	158	131
Losses	*708	695	651	719	796	748
Consumption	5999	6073	6153	6221	6343	5990
Energy industries own use	..	..	..	..	..	..
By industry and construction	2005	2020	2057	2147	2234	1900
By transport	..	..	..	..	..	..
By households and other cons.	3994	4053	4096	4074	4109	4089
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1678	*1736	1932	2003	2241	2346
Combustible fuels	*966	*1025	1043	1057	1057	1058
Hydro	497	495	574	575	574	574
Nuclear	..	..	..	..	..	..
Other	215	216	314	371	611	715
Main activity	*1434	*1434	1580	1574	1708	1769
Combustible fuels	*757	*757	764	757	757	757
Hydro	473	473	552	553	553	553
Nuclear	..	..	..	..	..	..
Other	204	204	264	264	398	459
Combustible fuel input	Terajoules					
Biogas	589	531	510	495	570	591
Gas-diesel oil	..	..	..	43	10	27
Fuel oil	21331	20685	11554	9683	13210	8391
Bagasse	9876	11424	14073	14379	14927	15321
Animal waste	..	..	..	12	13	5
Municipal waste	..	..	..	489	557	419
Total input	31796	32640	26137	25100	29287	24753
Total production	11142	11321	7499	6972	9295	6444
Estimated efficiency (% of production to input)	35	35	29	28	32	26

Statistics on electricity

Equatorial Guinea

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1299	1398	1334	1355	*1363	*1370
Combustible fuels	832	927	896	912	*913	*915
Hydro	467	471	438	443	*450	*455
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1299	1398	1334	1355	*1363	*1370
Combustible fuels	832	927	896	912	*913	*915
Hydro	467	471	438	443	*450	*455
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	44	44	44	44	*43	*30
Net production	1255	1354	1290	1311	*1320	*1340
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	146	158	151	138	*140	*151
Consumption	1144	1183	1200	1205	1179	1305
Energy industries own use	*35	*35	*35	*35	*35	*35
By industry and construction	420	462	462	402	*475	*465
By transport	..	..	..	..	..	..
By households and other cons.	689	686	703	768	669	805
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	349	349	554	*554	*554	*554
Combustible fuels	222	222	222	*222	*222	*222
Hydro	127	127	327	*327	*327	*327
Nuclear	..	..	..	..	..	..
Other	..	..	5	*5	*5	*5
Main activity	349	349	554	*554	*554	*554
Combustible fuels	222	222	222	*222	*222	*222
Hydro	127	127	327	*327	*327	*327
Nuclear	..	..	..	..	..	..
Other	..	..	5	*5	*5	*5
Combustible fuel input	Terajoules					
Gas-diesel oil	*86	*86	*86	*86	*86	*86
Natural gas	*9880	*11020	*10640	*10831	*11334	*10923
Total input	*9966	*11106	*10726	*10917	*11420	*11009
Total production	2995	3337	3226	3283	*3287	*3294
Estimated efficiency (% of production to input)	30	30	30	30	29	30

Statistics on electricity

Eritrea

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	271	276	334	352	363	375
Combustible fuels	264	269	326	340	350	361
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	7	8	12	13	15
Main activity	258	263	318	333	344	357
Combustible fuels	251	256	310	321	331	342
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	7	8	12	13	15
Own use in electricity, CHP and heat plants	13	13	16	17	17	18
Net production	258	263	318	335	346	358
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	30	35	42	45	46	48
Consumption	227	227	274	289	299	309
Energy industries own use	..	..	..	..	..	..
By industry and construction	53	40	48	51	53	54
By transport	..	..	..	..	..	..
By households and other cons.	174	187	226	238	246	254
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*161	*168	*216	*224	*226	*230
Combustible fuels	*159	*159	*205	*205	*205	*207
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	9	11	19	21	23
Main activity	*151	*158	*206	*214	*216	*218
Combustible fuels	*149	*149	*195	*195	*195	*195
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	9	11	19	21	23
Combustible fuel input	Terajoules					
Gas-diesel oil	1290	1333	1295	1441	1492	1483
Fuel oil	1778	1778	1787	2280	2373	2571
Total input	3068	3111	3082	3721	3865	4054
Total production	950	968	1173	1223	1259	1298
Estimated efficiency (% of production to input)	31	31	38	33	33	32

Statistics on electricity

Estonia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10149	12170	13160	12364	7616	5956
Combustible fuels	9407	11531	12397	11682	6836	4959
Hydro	27	35	26	15	19	30
Nuclear	..	..	..	..	..	..
Other	715	604	737	667	761	967
Main activity	9959	11911	12997	12241	7521	5773
Combustible fuels	9231	11285	12233	11560	6745	4782
Hydro	27	35	26	15	18	26
Nuclear	..	..	..	..	..	..
Other	701	591	737	666	759	965
Own use in electricity, CHP and heat plants	1087	1736	1912	1431	1015	762
Net production	9062	10434	11248	10933	6600	5194
Imports	5452	3577	2281	3053	4861	7367
Exports	6377	5614	5015	4950	2704	3723
Losses	697	723	779	744	500	375
Consumption	7440	7824	7735	7985	7787	7540
Energy industries own use	588	525	503	494	470	360
By industry and construction	2059	2152	2281	2360	2132	2129
By transport	47	48	46	43	56	68
By households and other cons.	4746	5099	4905	5088	5129	4983
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2857	2577	2542	2819	2746	2738
Combustible fuels	2551	2251	2208	2470	2303	2205
Hydro	6	6	7	7	6	8
Nuclear	..	..	..	..	..	..
Other	300	320	327	342	437	525
Main activity	2826	2546	2515	2793	2722	2714
Combustible fuels	2526	2226	2183	2445	2280	2182
Hydro	6	6	7	7	6	8
Nuclear	..	..	..	..	..	..
Other	294	314	325	341	436	524
Combustible fuel input	Terajoules					
Peat	759	1090	1258	553	283	71
Biogas	367	233	214	242	228	311
Oil shale	98181	105936	107363	113010	51767	25037
Fuel oil	687	1656	1256	885	319	246
Natural gas	526	575	527	615	380	264
Gasworks gas	3263	1342	2097	3071	3086	2582
Coke-oven gas	8593	8932	10646	9735	9811	10340
Fuelwood	*10240	*10114	*11904	*18039	*20760	*22704
Municipal waste	1904	2354	1666	2086	2074	2545
Industrial waste	..	0	338	259	..	..
Others	0	..	88	..	..	..
Total input	124520	132232	137358	148495	88708	64098
Total production	33865	41512	44629	42057	24610	17854
Estimated efficiency (% of production to input)	27	31	32	28	28	28

Statistics on electricity

Eswatini

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*509	409	415	520	585	*541
Combustible fuels	*278	284	297	311	313	*310
Hydro	231	124	118	209	270	229
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	2	*2
Main activity	231	123	117	208	269	227
Combustible fuels	..	..	..	..	..	..
Hydro	231	123	117	208	269	227
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*23	51	*1	1	0	*2
Net production	*486	357	414	519	585	*538
Imports	980	1077	1048	1020	942	1044
Exports	..	..	..	..	..	..
Losses	181	172	169	195	182	*210
Consumption	1296	1262	1387	1323	1343	*1355
Energy industries own use	..	..	..	..	..	..
By industry and construction	366	364	541	433	400	356
By transport	..	..	..	..	..	..
By households and other cons.	930	899	846	890	944	*999
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*188	*185	*185	189	181	*179
Combustible fuels	*115	*115	*115	119	109	*107
Hydro	*73	70	*70	*70	*70	*70
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	*2	*2
Main activity	*79	79	*79	*79	*69	*69
Combustible fuels	10	10	*10	*10	..	..
Hydro	*69	69	*69	*69	*69	*69
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	387	619	422	454	867	*851
Gas-diesel oil	0	..	..	..	..	..
Fuelwood	*2649	*2649	..	..	..	..
Bagasse	1177	1177	2400	2439	2643	*2593
Total input	*4214	*4446	2822	2893	3509	*3444
Total production	*999	1024	1069	1120	1126	*1115
Estimated efficiency (% of production to input)	24	23	38	39	32	32

Statistics on electricity

Ethiopia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9828	10509	12335	13265	14558	15526
Combustible fuels	32	32	27	31	35	35
Hydro	9019	9674	11753	12681	13655	14850
Nuclear	..	..	..	..	..	..
Other	777	803	555	553	868	640
Main activity	9800	10481	12312	13239	14528	15496
Combustible fuels	4	4	4	5	5	5
Hydro	9019	9674	11753	12681	13655	14850
Nuclear	..	..	..	..	..	..
Other	777	803	555	553	868	640
Own use in electricity, CHP and heat plants	38	50	21	41	42	44
Net production	9790	10459	12314	13224	14516	15482
Imports	..	..	..	..	..	..
Exports	700	1303	1432	1000	1000	1637
Losses	2085	2597	2945	3171	3374	3383
Consumption	7470	8586	8856	10558	10721	11225
Energy industries own use	..	..	..	..	..	..
By industry and construction	2278	2141	2346	2837	4105	4354
By transport	..	..	..	..	..	..
By households and other cons.	5192	6445	6510	7721	6616	6871
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2452	4280	4284	4286	4293	4556
Combustible fuels	171	127	127	130	134	*134
Hydro	1940	3808	3814	3814	3817	4071
Nuclear	..	..	..	..	..	..
Other	341	345	343	342	342	351
Main activity	2424	4252	4261	4260	4263	4526
Combustible fuels	143	99	104	104	104	*104
Hydro	1940	3808	3814	3814	3817	4071
Nuclear	..	..	..	..	..	..
Other	341	345	343	342	342	351
Combustible fuel input	Terajoules					
Gas-diesel oil	43	43	43	43	55	59
Bagasse	*541	*502	*517	*533	*541	*579
Total input	*584	*545	*560	*576	*595	*638
Total production	115	115	97	112	126	128
Estimated efficiency (% of production to input)	20	21	17	19	21	20

Statistics on electricity

Faeroe Islands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	314	317	334	352	386	407
Combustible fuels	126	159	163	180	230	249
Hydro	133	106	111	108	104	109
Nuclear	..	..	..	..	..	..
Other	56	52	60	64	53	49
Main activity	314	317	334	352	386	407
Combustible fuels	126	159	163	180	230	249
Hydro	133	106	111	108	104	109
Nuclear	..	..	..	..	..	..
Other	56	52	60	64	53	49
Own use in electricity, CHP and heat plants	7	7	10	11	12	11
Net production	308	310	325	341	374	395
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*20	*19	*18	*20	*23	25
Consumption	288	291	306	321	350	371
Energy industries own use	..	..	..	..	..	..
By industry and construction	76	74	86	82	95	97
By transport	..	..	..	..	..	..
By households and other cons.	212	218	221	238	255	274
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*128	120	121	121	131	168
Combustible fuels	*69	67	69	69	78	115
Hydro	39	38	38	38	38	38
Nuclear	..	..	..	..	..	..
Other	20	14	14	14	14	14
Main activity	*128	120	121	121	131	168
Combustible fuels	*69	67	69	69	78	115
Hydro	39	38	38	38	38	38
Nuclear	..	..	..	..	..	..
Other	20	14	14	14	14	14
Combustible fuel input	Terajoules					
Gas-diesel oil	56	80	46	64	187	24
Fuel oil	1040	1301	1318	1453	1787	2065
Total input	1096	1381	1364	1517	1974	2090
Total production	452	572	588	648	828	898
Estimated efficiency (% of production to input)	41	41	43	43	42	43

Statistics on electricity

Falkland Is. (Malvinas)

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17	19	18	17	18	18
Combustible fuels	12	13	12	12	12	13
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	6	5	6	5	5
Main activity	17	19	18	17	18	18
Combustible fuels	12	13	12	12	12	13
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	6	5	6	5	5
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	17	19	18	17	18	18
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1	*1	*1	*1	*1	*1
Consumption	*16	*18	*17	*16	*17	*17
Energy industries own use	..	..	..	..	..	..
By industry and construction	*7	*7	*7	*7	*7	*7
By transport	..	..	..	..	..	..
By households and other cons.	*9	*11	*9	*9	*10	*10
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9	9	9	9	9	*9
Combustible fuels	7	7	7	7	7	*7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Main activity	9	9	9	9	9	*9
Combustible fuels	7	7	7	7	7	*7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Combustible fuel input	Terajoules					
Gas-diesel oil	115	126	120	115	120	126
Total input	115	126	120	115	120	126
Total production	42	46	44	42	44	46
Estimated efficiency (% of production to input)	37	36	37	37	37	36

Statistics on electricity

Fiji

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	919	941	1017	1045	1074	989
Combustible fuels	503	435	514	464	498	417
Hydro	406	495	491	567	559	558
Nuclear	..	..	..	..	..	..
Other	10	11	11	15	16	*14
Main activity	896	931	994	1005	1025	922
Combustible fuels	480	425	491	424	450	350
Hydro	406	495	491	567	559	558
Nuclear	..	..	..	..	..	..
Other	10	11	11	15	16	*14
Own use in electricity, CHP and heat plants	8	11	12	12	13	13
Net production	911	930	1005	1033	1061	976
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	75	*88	*103	*108	*111	*102
Consumption	826	842	902	925	950	874
Energy industries own use	..	..	..	..	..	..
By industry and construction	206	211	222	226	227	194
By transport	..	..	..	..	..	..
By households and other cons.	620	631	681	699	723	680
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	304	*328	*360	*363	*363	*363
Combustible fuels	156	*172	*194	*194	*194	*194
Hydro	135	130	138	138	138	138
Nuclear	..	..	..	..	..	..
Other	14	26	*28	*31	*31	*31
Main activity	263	286	*306	*309	*309	*309
Combustible fuels	114	*130	*140	*140	*140	*140
Hydro	135	130	138	138	138	138
Nuclear	..	..	..	..	..	..
Other	14	26	*28	*31	*31	*31
Combustible fuel input	Terajoules					
Hard coal briquettes	0	0	0	..	..	..
Gas-diesel oil	2774	1434	*2021	*1739	*1935	*1462
Fuel oil	1758	2511	*2424	*2222	*2222	*2020
Fuelwood	*18	*18	*18	*18	*18	*18
Bagasse	*193	*93	*193	*386	*425	*425
Total input	4743	4056	*4656	*4365	*4600	*3925
Total production	1810	1566	1852	1669	1794	1501
Estimated efficiency (% of production to input)	38	39	40	38	39	38

Statistics on electricity

Finland

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	68599	68757	67524	70263	68650	68950
Combustible fuels	25999	26399	25031	27959	25923	21392
Hydro	16769	15799	14772	13301	12421	15883
Nuclear	23245	23203	22477	22793	23870	23291
Other	2586	3356	5245	6210	6436	8383
Main activity	58575	59239	57691	59552	57831	58871
Combustible fuels	17226	18122	16460	18484	16210	12790
Hydro	15690	14764	13769	12357	11661	14789
Nuclear	23245	23203	22477	22793	23870	23291
Other	2414	3150	4985	5918	6090	8001
Own use in electricity, CHP and heat plants	2444	2554	2481	2730	2597	2352
Net production	66155	66203	65043	67533	66053	66598
Imports	21459	22110	22204	22548	23938	21647
Exports	5122	3159	1779	2612	3896	6671
Losses	2435	2586	2768	3024	3062	3021
Consumption	79686	82180	82275	84021	82640	78144
Energy industries own use	1189	1227	1236	1252	1330	1243
By industry and construction	37893	38503	38709	39487	38563	35680
By transport	706	708	775	843	859	816
By households and other cons.	39898	41742	41555	42439	41888	40405
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	16500	16173	17058	17018	17352	17301
Combustible fuels	9593	8672	8997	8901	8895	8439
Hydro	3133	3133	3156	3152	3157	3164
Nuclear	2752	2764	2779	2784	2794	2794
Other	1022	1604	2126	2181	2506	2904
Main activity	14448	14105	14752	14654	14894	14779
Combustible fuels	7743	6826	6958	6863	6860	6433
Hydro	2947	2947	2968	2963	2949	2959
Nuclear	2752	2764	2779	2784	2794	2794
Other	1006	1568	2047	2044	2291	2593
Combustible fuel input	Terajoules					
Hard Coal	59016	78495	68510	66280	51236	30052
Peat	40652	38934	37002	43281	38952	27899
Biogas	3000	3361	3500	3600	3236	2773
Fuel oil	2949	1576	3757	1252	1333	970
Natural gas	42836	33907	31361	38536	34502	36013
Blast furnace gas	5302	5234	5407	5989	4074	4541
Fuelwood	*90537	*94823	*95514	*97021	*97080	*85149
Municipal waste	14985	16759	18058	19776	18876	16556
Industrial waste	893	840	1033	986	882	1046
Black liquor	*11248	*7397	*7854	*9808	*8964	*11142
Others	2306	1796	2734	2838	3094	2722
Total input	273724	283122	274730	289367	262228	218862
Total production	93596	95036	90110	100651	93323	77012
Estimated efficiency (% of production to input)	34	34	33	35	36	35

Statistics on electricity

France

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	579465	564079	561977	581785	570913	531762
Combustible fuels	51180	63967	72878	57647	62148	57031
Hydro	60514	65686	55135	70472	61573	66532
Nuclear	437428	403195	398359	412942	399012	353833
Other	30343	31231	35605	40725	48181	54366
Main activity	562856	547940	545176	561059	548535	510110
Combustible fuels	37876	51281	59942	41298	44600	40756
Hydro	59977	65091	54608	69863	60977	65943
Nuclear	437428	403195	398359	412942	399012	353833
Other	27575	28373	32267	36956	43946	49579
Own use in electricity, CHP and heat plants	24321	23659	24128	23988	23870	22489
Net production	555144	540420	537849	557798	547043	509274
Imports	9961	19903	21119	13512	15632	19536
Exports	74024	61404	61248	76479	73299	64575
Losses	36140	37478	38599	38620	38093	35894
Consumption	449871	458011	454565	453173	446847	426518
Energy industries own use	14838	15268	15199	16071	15142	15159
By industry and construction	115908	117707	116738	116923	115656	105803
By transport	10702	10520	10580	10090	10081	8338
By households and other cons.	308423	314516	312048	310089	305968	297218
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	132220	133151	133089	135086	136284	136637
Combustible fuels	25867	24895	21907	21422	19791	19791
Hydro	25552	25621	25707	25727	25869	25712
Nuclear	63130	63130	63130	63130	63130	61400
Other	17671	19505	22345	24807	27495	29734
Main activity	126193	126837	126622	127404	128070	128026
Combustible fuels	22162	21065	18204	16836	15066	15125
Hydro	25368	25435	25517	25542	25674	25496
Nuclear	63130	63130	63130	63130	63130	61400
Other	15533	17207	19770	21896	24200	26005
Combustible fuel input	Terajoules					
Hard Coal	122392	108613	132117	87707	42806	36909
Biogas	23431	24208	24327	25855	27639	29796
Gas-diesel oil	18017	18748	19137	14409	17583	18783
Fuel oil	35390	36481	36653	29919	29621	27492
Natural gas	178404	270476	308539	237065	304337	273259
Blast furnace gas	22150	16741	18007	25747	25791	21602
Fuelwood	*34199	*44912	*46830	*50930	*50339	51906
Bagasse	2978	3395	2543	4014	5046	5616
Municipal waste	86960	89574	90237	91261	90797	87970
Black liquor	14910	13979	12615	8715	9984	8155
Others	27000	27272	26955	9673	7806	6210
Total input	565831	654400	717960	585296	611749	567698
Total production	184248	230281	262362	207528	223732	205310
Estimated efficiency (% of production to input)	33	35	37	35	37	36

Statistics on electricity

French Polynesia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	676	691	681	676	693	665
Combustible fuels	478	475	470	475	494	464
Hydro	166	183	175	164	159	159
Nuclear	..	..	..	..	..	..
Other	32	33	36	37	40	42
Main activity	676	691	681	676	693	665
Combustible fuels	478	475	470	475	494	464
Hydro	166	183	175	164	159	159
Nuclear	..	..	..	..	..	..
Other	32	33	36	37	40	42
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	676	691	681	676	692	665
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	51	51	43	42	41	42
Consumption	626	639	638	634	652	623
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	626	639	638	634	652	623
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	246	258	268	271	277	281
Combustible fuels	177	185	185	186	186	186
Hydro	47	47	47	47	49	49
Nuclear	..	..	..	..	..	..
Other	23	27	36	38	41	46
Main activity	246	258	268	271	277	281
Combustible fuels	177	185	185	186	186	186
Hydro	47	47	47	47	49	49
Nuclear	..	..	..	..	..	..
Other	23	27	36	38	41	46
Combustible fuel input	Terajoules					
Gas-diesel oil	1535	1598	1675	1562	1605	1566
Fuel oil	2855	2694	2673	2782	2773	2887
Total input	4390	4292	4349	4344	4378	4453
Total production	1722	1709	1692	1712	1777	1672
Estimated efficiency (% of production to input)	39	40	39	39	41	38

Statistics on electricity

Gabon

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2127	2338	2278	2295	2306	2423
Combustible fuels	1207	1383	1347	1307	1318	1434
Hydro	918	953	929	987	987	987
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Main activity	1907	2112	2043	2069	2085	2179
Combustible fuels	989	1159	1119	1088	1104	1198
Hydro	918	953	924	981	981	981
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	95	102	102	96	101	106
Net production	2032	2236	2176	2199	2205	2317
Imports	337	344	456	511	511	511
Exports	..	..	..	..	..	..
Losses	476	518	431	469	406	505
Consumption	1893	2062	2201	2241	2311	2323
Energy industries own use	41	45	46	47	47	49
By industry and construction	502	547	648	653	679	666
By transport	7	8	8	8	8	8
By households and other cons.	1343	1462	1499	1532	1576	1599
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	511	523	533	751	*784	*784
Combustible fuels	340	352	359	418	*451	*451
Hydro	170	170	173	332	332	332
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*1	*1
Main activity	440	452	460	663	*696	*696
Combustible fuels	270	282	289	333	*366	*366
Hydro	170	170	171	330	330	330
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	2709	2666	2904	2749	2266	2977
Natural gas	13265	15031	15253	14848	15523	16333
Fuelwood	*320	332	334	*336	*348	*353
Total input	16294	18029	18491	17934	18138	19663
Total production	4345	4979	4849	4704	4743	5163
Estimated efficiency (% of production to input)	27	28	26	26	26	26

Statistics on electricity

Gambia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	286	302	317	392	460	482
Combustible fuels	283	299	314	388	456	478
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*4	*4	*4	*4	*4
Main activity	250	265	280	354	422	444
Combustible fuels	246	262	277	351	418	440
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*4	*4	*4	*4	*4
Own use in electricity, CHP and heat plants	*11	*11	*12	*15	*18	*58
Net production	275	291	305	377	442	424
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*55	*58	*68	*80	*95	*99
Consumption	*220	*233	*237	*297	*347	*325
Energy industries own use	..	..	..	..	..	..
By industry and construction	*37	*39	*40	*52	*60	*63
By transport	..	..	..	..	..	..
By households and other cons.	*183	*193	*197	*245	*287	*262
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*120	*121	*121	*126	*137	141
Combustible fuels	*116	*117	*118	*123	*134	138
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	*3	*3	*3
Main activity	*85	*86	*86	*90	*101	105
Combustible fuels	*81	*82	*82	*87	*98	102
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	*3	*3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*2417	*2507	*2593	*3156	*3677	*3913
Fuel oil	*889	*889	*929	*1172	*1414	*1495
Total input	*3305	*3396	*3522	*4328	*5091	*5408
Total production	1018	1075	1129	1397	1642	1722
Estimated efficiency (% of production to input)	31	32	32	32	32	32

Statistics on electricity

Georgia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10833	11574	11531	12149	11857	11160
Combustible fuels	2379	2236	2233	2115	2840	2821
Hydro	8454	9329	9210	9949	8932	8248
Nuclear	..	..	..	..	..	..
Other	..	9	88	84	85	91
Main activity	10833	11574	11531	12149	11857	11160
Combustible fuels	2379	2236	2233	2115	2840	2821
Hydro	8454	9329	9210	9949	8932	8248
Nuclear	..	..	..	..	..	..
Other	..	9	88	84	85	91
Own use in electricity, CHP and heat plants	240	209	215	215	236	216
Net production	10592	11365	11316	11934	11620	10944
Imports	699	1329	1751	1522	1763	1712
Exports	660	1409	940	602	380	256
Losses	711	784	904	886	918	888
Consumption	9921	10501	11224	11950	12085	11512
Energy industries own use	14	14	15	13	26	33
By industry and construction	2752	2902	3295	3306	3253	3126
By transport	294	301	337	366	419	237
By households and other cons.	6861	7284	7578	8266	8388	8116
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2993	3299	3592	3591	3712	3739
Combustible fuels	615	849	849	876	1108	990
Hydro	2378	2430	2723	2695	2583	2727
Nuclear	..	..	..	..	..	..
Other	..	20	20	20	21	21
Main activity	2993	3299	3592	3591	3712	3739
Combustible fuels	615	849	849	876	1108	990
Hydro	2378	2430	2723	2695	2583	2727
Nuclear	..	..	..	..	..	..
Other	..	20	20	20	21	21
Combustible fuel input	Terajoules					
Brown Coal	..	451	634	359	0	..
Gas-diesel oil	0	0	..	..	..	..
Natural gas	24976	20080	20408	19304	26653	24195
Total input	24976	20530	21042	19662	26653	24195
Total production	8563	8048	8039	7614	10225	10155
Estimated efficiency (% of production to input)	34	39	38	39	38	42

Statistics on electricity

Germany

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	648310	650450	653723	640468	606917	572666
Combustible fuels	410318	419596	404286	385445	334214	300857
Hydro	24898	26135	26155	23863	25671	24876
Nuclear	91786	84634	76324	76005	75071	64382
Other	121308	120085	146958	155155	171961	182551
Main activity	598096	595587	596946	585511	553581	520906
Combustible fuels	361485	366199	348797	331660	281896	250205
Hydro	24741	25959	25983	23776	25573	24786
Nuclear	91786	84634	76324	76005	75071	64382
Other	120084	118795	145842	154070	171041	181533
Own use in electricity, CHP and heat plants	38018	36717	34670	34817	31053	27772
Net production	610292	613733	619053	605651	575864	544894
Imports	37008	28338	27842	31727	40126	47853
Exports	85290	78863	80301	80463	72793	66882
Losses	25605	25759	27024	26661	27474	26939
Consumption	536405	537449	539570	530254	515723	498926
Energy industries own use	21457	20494	20617	20860	19208	19112
By industry and construction	228825	230574	232227	230724	223267	211089
By transport	11148	11739	11957	12087	11605	11137
By households and other cons.	274975	274642	274769	266583	261643	257588
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	203257	208217	215326	227943	231487	233745
Combustible fuels	96967	95716	95134	102180	100524	98311
Hydro	11255	11207	11120	10684	10733	10792
Nuclear	10799	10799	10799	10799	9525	8113
Other	84236	90495	98273	104280	110705	116529
Main activity	192539	197629	203747	216805	220318	222594
Combustible fuels	86552	85409	83824	91301	89570	87357
Hydro	11212	11164	11078	10652	10698	10757
Nuclear	10799	10799	10799	10799	9525	8113
Other	83976	90257	98046	104053	110525	116367
Combustible fuel input	Terajoules					
Hard Coal	1127187	1090750	875477	801479	600095	454294
Brown Coal	1460006	1411719	1394434	1354287	1064141	854692
Lignite briquettes	19628	18666	15754	17253	15279	12042
Biogas	235765	238590	238280	238366	236928	241834
Other oil products	26452	21507	21467	18974	17688	17809
Natural gas	555457	707551	749713	720855	780525	815924
Coke-oven gas	22759	24647	27371	27192	24384	25171
Blast furnace gas	69659	73166	71768	66613	63736	58309
Fuelwood	*127292	*121485	*119451	*124895	*125813	*129276
Municipal waste	179782	194092	196030	186036	182412	184448
Others	60340	63641	63472	51893	54515	47833
Total input	3884326	3965815	3773217	3607843	3165516	2841632
Total production	1477145	1510546	1455430	1387602	1203170	1083085
Estimated efficiency (% of production to input)	38	38	39	38	38	38

Statistics on electricity

Ghana

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	11672	13203	14248	16425	18368	20170
Combustible fuels	5824	7615	8604	10375	11065	12820
Hydro	5845	5561	5616	6017	7252	7293
Nuclear	..	..	..	..	..	..
Other	3	27	28	33	52	57
Main activity	11492	13023	14068	16245	18188	20170
Combustible fuels	5644	7435	8424	10195	10885	12820
Hydro	5845	5561	5616	6017	7252	7293
Nuclear	..	..	..	..	..	..
Other	3	27	28	33	52	57
Own use in electricity, CHP and heat plants	38	180	181	179	180	0
Net production	11634	13023	14067	16246	18188	20170
Imports	223	745	320	140	127	58
Exports	587	187	268	740	1430	1801
Losses	613	876	805	1192	1184	1286
Consumption	10625	12528	13037	14401	15232	16531
Energy industries own use	..	..	..	..	..	..
By industry and construction	4185	4612	4583	5029	5260	5499
By transport	5	7	8	9	11	12
By households and other cons.	6435	7910	8446	9362	9962	11020
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3866	4005	4609	5099	5382	5288
Combustible fuels	2263	2402	3006	3476	3759	3649
Hydro	1580	1580	1580	1580	1580	1580
Nuclear	..	..	..	..	..	..
Other	23	23	23	43	43	59
Main activity	3656	3795	4399	4889	5172	5288
Combustible fuels	2053	2192	2796	3266	3549	3649
Hydro	1580	1580	1580	1580	1580	1580
Nuclear	..	..	..	..	..	..
Other	23	23	23	43	43	59
Combustible fuel input	Terajoules					
Crude oil	12394	25380	10448	42	5752	2182
Gas-diesel oil	..	..	1327	613	489	1230
Liquefied petroleum gas	..	..	3888	5015	1881	..
Natural gas	46343	28072	44757	55851	78499	115727
Total input	58737	53452	60420	61521	86620	119139
Total production	20966	27414	30974	37350	39834	46153
Estimated efficiency (% of production to input)	36	51	51	61	46	39

Statistics on electricity

Gibraltar

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	224	214	214	215	220	215
Combustible fuels	224	214	213	215	220	215
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Main activity	224	214	214	215	220	215
Combustible fuels	224	214	213	215	220	215
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Own use in electricity, CHP and heat plants	4	4	4	4	4	4
Net production	220	210	209	211	215	210
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	7	6	6	7	7	7
Consumption	213	204	203	205	209	204
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	213	204	203	205	209	204
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*43	*43	*43	*43	*43	*43
Combustible fuels	*43	*43	*43	*43	*43	*43
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Main activity	*43	*43	*43	*43	*43	*43
Combustible fuels	*43	*43	*43	*43	*43	*43
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Combustible fuel input	Terajoules					
Fuel oil	2182	2060	2065	2079	1411	..
Natural gas	..	..	..	..	732	2145
Total input	2182	2060	2065	2079	2144	2145
Total production	806	770	769	775	791	772
Estimated efficiency (% of production to input)	37	37	37	37	37	36

Statistics on electricity

Greece

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	51874	54439	55266	53263	48626	48252
Combustible fuels	37203	39798	41698	37412	32880	31055
Hydro	6150	5565	4040	5760	4051	3440
Nuclear	..	..	..	..	..	..
Other	8521	9076	9528	10091	11695	13757
Main activity	49534	52492	53333	51048	46146	45539
Combustible fuels	34863	37851	39765	35197	30400	28342
Hydro	6150	5565	4040	5760	4051	3440
Nuclear	..	..	..	..	..	..
Other	8521	9076	9528	10091	11695	13757
Own use in electricity, CHP and heat plants	4068	4212	4677	3179	3069	2917
Net production	47806	50227	50589	50084	45557	45335
Imports	11081	9833	8696	8550	11067	9831
Exports	1473	1037	2459	2272	1123	967
Losses	4895	3957	1102	5242	3692	5213
Consumption	52519	55066	55724	51120	51809	48985
Energy industries own use	1732	1703	1755	1650	1611	1456
By industry and construction	12668	11285	12284	12414	12308	11857
By transport	388	186	188	202	203	174
By households and other cons.	37731	41892	41497	36854	37687	35498
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	18942	19165	19426	19581	20478	20795
Combustible fuels	10855	10799	10804	10643	10643	9971
Hydro	3392	3392	3392	3409	3412	3417
Nuclear	..	..	..	..	..	..
Other	4695	4974	5230	5529	6423	7407
Main activity	18381	18597	18855	19014	19910	20227
Combustible fuels	10294	10231	10234	10076	10076	9404
Hydro	3392	3392	3392	3409	3412	3417
Nuclear	..	..	..	..	..	..
Other	4695	4974	5230	5529	6423	7407
Combustible fuel input	Terajoules					
Brown Coal	226190	174176	192615	185398	125530	69652
Biogas	3138	3623	3710	3790	3752	4147
Gas-diesel oil	11137	11911	13944	11777	9112	8526
Fuel oil	35592	25816	36667	36378	36324	31172
Liquefied petroleum gas	0	2034	189	..	..	..
Refinery gas	16781	14850	6647	7103	10301	10044
Natural gas	61257	103888	132678	125276	140266	148654
Fuelwood	*19	*138	*145	*205	*784	*1104
Industrial waste	1030	1364	0	1213	1758	405
Biodiesel	..	..	7	0	1	3
Total input	355144	337800	386602	371141	327827	273706
Total production	133931	143273	150112	134683	118370	111797
Estimated efficiency (% of production to input)	38	42	39	36	36	41

Statistics on electricity

Greenland

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	520	490	518	547	537	559
Combustible fuels	97	89	130	*139	*139	*139
Hydro	423	401	388	408	398	420
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	520	490	518	547	537	559
Combustible fuels	97	89	130	*139	*139	*139
Hydro	423	401	388	408	398	420
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	17	15	16	*19	*12	*19
Net production	504	476	502	528	525	540
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*12	*12	13	*10	*10	*10
Consumption	331	320	328	343	337	346
Energy industries own use	..	..	..	..	..	..
By industry and construction	47	51	52	52	48	53
By transport	..	..	..	..	..	..
By households and other cons.	284	269	275	291	289	294
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*187	*187	187	*187	*187	*187
Combustible fuels	*96	*96	96	*96	*96	*96
Hydro	91	91	91	91	91	91
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	171	171	171	171	171	171
Combustible fuels	*80	*80	80	*80	*80	*80
Hydro	91	91	91	91	91	91
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	1321	1074	1107	1203	1102	1174
Municipal waste	98	94	94	98	110	103
Total input	1419	1168	1201	1301	1212	1277
Total production	350	322	467	*500	*500	*500
Estimated efficiency (% of production to input)	25	28	39	38	41	39

Statistics on electricity

Grenada

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	208	221	230	234	243	226
Combustible fuels	207	218	227	231	239	223
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	3	3	3	4
Main activity	207	219	228	231	239	223
Combustible fuels	206	217	225	228	236	220
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	3	3	3	4
Own use in electricity, CHP and heat plants	8	14	15	10	5	7
Net production	201	207	215	224	237	219
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	17	18	19	16	15	16
Consumption	184	194	200	208	217	195
Energy industries own use	..	..	..	..	..	..
By industry and construction	6	5	6	6	6	6
By transport	..	..	..	..	..	..
By households and other cons.	178	188	194	202	211	189
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	49	50	52	54	55	56
Combustible fuels	48	48	50	52	52	52
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	2	2	2	3	3
Main activity	48	50	52	54	55	55
Combustible fuels	48	48	50	52	52	52
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	2	2	2	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	1823	1944	2016	2173	*2343	2020
Total input	1823	1944	2016	2173	*2343	2020
Total production	745	786	815	831	861	802
Estimated efficiency (% of production to input)	41	40	40	38	37	40

Statistics on electricity

Guam

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1702	1720	1760	1715	1724	1683
Combustible fuels	1681	1668	1708	1663	1672	1631
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	22	52	52	52	52	52
Main activity	1702	1720	1760	1715	1724	1683
Combustible fuels	1681	1668	1708	1663	1672	1631
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	22	52	52	52	52	52
Own use in electricity, CHP and heat plants	83	65	66	63	67	66
Net production	1619	1655	1694	1652	1657	1617
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	79	81	84	85	88	94
Consumption	1540	1574	1610	1567	1568	1523
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	1540	1574	1610	1567	1568	1523
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	498	498	446	446	445	445
Combustible fuels	472	472	420	420	420	420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	26	26	26	26	25	25
Main activity	498	498	446	446	445	445
Combustible fuels	472	472	420	420	420	420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	26	26	26	26	25	25
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	6050	6004	6148	5985	6017	5871
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Guatemala

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	11157	11789	12272	13568	*14083	12803
Combustible fuels	6769	7122	5816	7572	*8855	*5971
Hydro	3880	3971	5787	5218	4497	5966
Nuclear	..	..	..	..	..	..
Other	508	696	669	778	732	865
Main activity	10302	10878	11490	12522	*12748	12238
Combustible fuels	5942	6231	5055	6554	*7547	*5439
Hydro	3852	3951	5765	5191	4470	5934
Nuclear	..	..	..	..	..	..
Other	508	696	669	778	732	865
Own use in electricity, CHP and heat plants	747	868	886	775	787	795
Net production	10410	10921	11386	12793	*13297	12008
Imports	585	747	891	825	1141	1085
Exports	1087	1335	1858	2500	2190	1156
Losses	333	383	373	903	1587	1555
Consumption	9466	9907	10115	10220	10660	10381
Energy industries own use	..	..	..	..	..	..
By industry and construction	3547	3621	3707	3695	4017	3597
By transport	..	..	..	..	..	..
By households and other cons.	5919	6286	6408	6525	6644	6785
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3139	3442	3356	3499	4042	4162
Combustible fuels	1905	1942	1845	1770	2234	2332
Hydro	1039	1306	1311	1492	1560	1577
Nuclear	..	..	..	..	..	..
Other	194	194	200	237	249	252
Main activity	2449	2737	2677	2846	3387	3507
Combustible fuels	1219	1241	1170	1122	1584	1682
Hydro	1035	1302	1307	1487	1555	1572
Nuclear	..	..	..	..	..	..
Other	194	194	200	237	249	252
Combustible fuel input	Terajoules					
Hard Coal	44340	52079	43218	51029	49813	32162
Biogas	198	186	308	430	308	281
Gas-diesel oil	137	80	114	62	114	127
Fuel oil	12644	8707	4074	3423	4129	3300
Petroleum coke	..	..	..	1751	..	..
Fuelwood	37	12	5	2	..	..
Bagasse	55979	85152	53779	51340	53779	54054
Total input	113335	146215	101497	108037	108143	89925
Total production	24370	25638	20939	27259	*31877	*21497
Estimated efficiency (% of production to input)	22	18	21	25	29	24

Statistics on electricity

Guernsey

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	157	87	77	54	165	23
Combustible fuels	157	87	77	54	164	23
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	0
Main activity	157	87	77	54	165	23
Combustible fuels	157	87	77	54	164	23
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	157	87	77	54	165	23
Imports	218	285	294	319	204	347
Exports	..	..	..	..	..	..
Losses	28	23	17	25	22	*32
Consumption	347	349	354	348	348	338
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	347	349	354	348	348	338
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*115	*115	*132	*132	*132	*132
Combustible fuels	*115	*115	*132	*132	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	0
Main activity	*115	*115	*132	*132	*132	*132
Combustible fuels	*115	*115	*132	*132	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*49	*43	*43	*43	*43	*43
Fuel oil	*1329	*727	*646	*444	*1370	*162
Total input	*1378	*770	*689	*487	*1413	*205
Total production	565	315	277	194	592	82
Estimated efficiency (% of production to input)	41	41	40	40	42	40

Statistics on electricity

Guinea

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1118	1596	1753	1914	2019	2454
Combustible fuels	238	512	541	732	*740	*970
Hydro	881	1084	1212	1182	1280	1484
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	945	1117	1288	1295	1394	1604
Combustible fuels	64	34	76	114	*115	*120
Hydro	881	1084	1212	1182	1280	1484
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	22	32	35	38	*41	*59
Net production	1096	1564	1718	1876	1979	2395
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*168	*239	*263	*287	*303	*390
Consumption	*928	*1324	*1455	1588	*1676	*2005
Energy industries own use	..	..	..	..	..	..
By industry and construction	*432	*617	*620	*676	*714	*855
By transport	..	..	..	..	..	..
By households and other cons.	*496	*707	*835	912	*962	*1150
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	596	593	610	615	621	962
Combustible fuels	228	226	*243	*248	*254	*375
Hydro	367	367	367	367	367	587
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	496	444	460	467	471	691
Combustible fuels	128	77	*93	*100	*104	*104
Hydro	367	367	367	367	367	587
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*538	*237	*516	*731	*774	*860
Fuel oil	*1899	*5010	*5131	*6626	*6747	*8969
Total input	*2436	*5246	*5647	*7357	*7521	*9829
Total production	855	1842	1947	2636	*2663	*3492
Estimated efficiency (% of production to input)	35	35	34	36	35	36

Statistics on electricity

Guinea-Bissau

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*58	*79	*80	*81	*82	*82
Combustible fuels	*58	*79	*79	*80	*80	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	1	1	2	*2
Main activity	*45	*60	*61	*62	*63	*63
Combustible fuels	*45	*60	*60	*61	*61	*61
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	1	1	2	*2
Own use in electricity, CHP and heat plants	0	0	*1	*1	0	0
Net production	*58	*79	*79	*80	*82	*82
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	*58	75	83	83	*89	*84
Energy industries own use	..	..	..	..	..	..
By industry and construction	*15	21	22	22	*24	24
By transport	..	..	..	..	..	..
By households and other cons.	*43	54	61	62	*65	*60
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*23	*27	*27	*27	*28	*28
Combustible fuels	*23	*27	*26	*26	*27	*27
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	1	1	1	1
Main activity	*19	*21	*22	*22	*22	*22
Combustible fuels	*19	*21	*21	*21	*21	*21
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*576	*800	*796	*843	*843	*827
Total input	*576	*800	*796	*843	*843	*827
Total production	*209	*283	*284	*287	*290	*288
Estimated efficiency (% of production to input)	36	35	36	34	34	35

Statistics on electricity

Guyana

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1004	1081	1105	1136	1135	1136
Combustible fuels	999	1076	1098	1125	1123	1124
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	7	11	11	12
Main activity	941	999	1022	1054	1105	1112
Combustible fuels	935	994	1015	1043	1094	1100
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	7	11	11	12
Own use in electricity, CHP and heat plants	6	31	12	33	22	24
Net production	998	1050	1092	1103	1112	1112
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	219	224	233	235	247	230
Consumption	789	826	859	868	869	881
Energy industries own use	..	..	..	..	..	..
By industry and construction	307	321	334	337	325	328
By transport	..	..	..	..	..	..
By households and other cons.	483	505	526	531	545	553
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	369	360	348	348	335	337
Combustible fuels	366	356	343	340	327	329
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	5	8	8	8
Main activity	315	306	298	297	293	295
Combustible fuels	312	302	293	289	285	287
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	5	8	8	8
Combustible fuel input	Terajoules					
Gas-diesel oil	2532	2635	3096	3335	4018	4313
Fuel oil	7502	8118	7908	8356	8482	7584
Fuelwood	..	..	..	..	53	70
Bagasse	621	448	327	231	155	121
Total input	10655	11200	11331	11921	12709	12088
Total production	3595	3874	3951	4049	4044	4046
Estimated efficiency (% of production to input)	34	35	35	34	32	33

Statistics on electricity

Haiti

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1040	1086	1058	1048	1064	1029
Combustible fuels	955	1013	928	848	887	919
Hydro	83	71	127	197	174	106
Nuclear	..	..	..	..	..	..
Other	2	2	3	3	3	3
Main activity	996	1049	1035	1027	1042	1008
Combustible fuels	911	976	905	827	865	898
Hydro	83	71	127	197	174	106
Nuclear	..	..	..	..	..	..
Other	2	2	3	3	3	3
Own use in electricity, CHP and heat plants	17	17	17	18	18	17
Net production	1023	1069	1041	1031	1046	1012
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	608	617	624	634	643	622
Consumption	411	417	422	428	435	420
Energy industries own use	..	..	..	..	..	..
By industry and construction	184	187	189	192	195	188
By transport	..	..	..	..	..	..
By households and other cons.	227	230	233	236	240	232
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*333	*336	*344	*352	*471	*471
Combustible fuels	*271	*274	*282	*290	*390	*390
Hydro	61	61	61	61	78	78
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	3	3
Main activity	*237	*240	*245	*250	*333	*333
Combustible fuels	*175	*178	*183	*188	*253	*253
Hydro	61	61	61	61	78	78
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	5461	5289	3856	3482	3534	3417
Fuel oil	6908	7797	8284	7725	7839	7581
Total input	12369	13086	12140	11207	11373	10998
Total production	3438	3647	3340	3052	3192	3310
Estimated efficiency (% of production to input)	28	28	28	27	28	30

Statistics on electricity

Honduras

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8978	9219	9385	9629	10586	10059
Combustible fuels	5535	5505	4820	4253	5866	5232
Hydro	2360	2246	2971	3158	2430	2701
Nuclear	..	..	..	..	..	..
Other	1083	1468	1595	2219	2290	2127
Main activity	8051	7950	7875	7982	8595	8315
Combustible fuels	4608	4236	3309	2606	3935	3556
Hydro	2360	2246	2971	3158	2430	2701
Nuclear	..	..	..	..	..	..
Other	1083	1468	1595	2219	2230	2058
Own use in electricity, CHP and heat plants	14	14	14	14	23	74
Net production	8965	9205	9372	9616	10563	9985
Imports	152	314	446	372	260	292
Exports	2	16	25	8	6	0
Losses	2929	3125	2858	2991	3178	3511
Consumption	6185	6377	6935	6988	7639	6766
Energy industries own use	..	..	..	..	..	..
By industry and construction	2007	2014	2143	2229	2687	2204
By transport	..	..	..	..	..	..
By households and other cons.	4179	4363	4792	4760	4951	4562
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2292	2456	2663	2740	2882	3011
Combustible fuels	1104	1209	1267	1254	1308	1318
Hydro	648	663	685	715	731	840
Nuclear	..	..	..	..	..	..
Other	540	584	711	771	844	852
Main activity	2022	2092	2269	2371	2427	2450
Combustible fuels	834	845	873	885	910	823
Hydro	648	663	685	715	730	840
Nuclear	..	..	..	..	..	..
Other	540	584	711	771	787	787
Combustible fuel input	Terajoules					
Hard Coal	1184	1675	29	..	..	..
Gas-diesel oil	1574	1195	370	1114	2146	1324
Fuel oil	37257	30429	23315	17449	27121	26474
Liquefied petroleum gas	..	..	..	1201	1641	1443
Petroleum coke	..	..	7053	10530	11005	10222
Fuelwood	2	3	2	1	1	34
Bagasse	1835	1981	2088	21848	12889	9578
Vegetal waste	5006	12086	12218	9520	10858	7833
Total input	46857	47370	45074	61663	65661	56909
Total production	19926	19818	17352	15310	21118	18833
Estimated efficiency (% of production to input)	43	42	38	25	32	33

Statistics on electricity

Hungary

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	30360	31902	32915	32067	34291	34930
Combustible fuels	13395	14583	15407	14725	15429	15358
Hydro	234	259	220	222	219	244
Nuclear	15834	16054	16098	15733	16288	16055
Other	897	1006	1190	1387	2355	3273
Main activity	29554	30893	31615	30490	32313	32578
Combustible fuels	12792	13863	14501	13743	14373	14341
Hydro	234	259	220	222	219	244
Nuclear	15834	16054	16098	15733	16288	16055
Other	694	717	796	792	1433	1938
Own use in electricity, CHP and heat plants	2210	2354	2187	2176	2154	2016
Net production	28150	29548	30728	29891	32137	32914
Imports	19935	17951	19803	18613	19853	19176
Exports	6249	5240	6925	4265	7269	7499
Losses	3695	3566	3456	3357	3292	3139
Consumption	37439	38262	39647	40587	41383	41083
Energy industries own use	1148	1110	1154	1169	1161	1145
By industry and construction	15403	16002	16735	17234	17751	17517
By transport	1171	1177	1208	1207	1200	1214
By households and other cons.	19717	19973	20550	20977	21271	21207
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8634	8758	8890	9286	9994	10708
Combustible fuels	6062	6100	6120	6118	6159	6145
Hydro	57	57	57	57	58	58
Nuclear	2000	2000	2000	2013	2013	2013
Other	515	601	713	1098	1764	2492
Main activity	8258	8290	8298	8551	8969	9392
Combustible fuels	5856	5878	5867	5867	5873	5871
Hydro	57	57	57	57	58	58
Nuclear	2000	2000	2000	2013	2013	2013
Other	345	355	374	614	1025	1450
Combustible fuel input	Terajoules					
Hard Coal	0	2989	1001	869	1069	804
Brown Coal	63146	60077	53838	54874	42046	39351
Biogas	2202	2529	2612	2546	2480	2396
Fuel oil	444	404	606	606	364	323
Natural gas	49177	59535	69704	64509	75161	79058
Coke-oven gas	1284	2021	1722	2055	1957	1344
Blast furnace gas	2894	2130	2895	3056	2801	2271
Fuelwood	*21071	*19129	*20873	*21958	*21342	*20374
Municipal waste	4827	5194	4314	4399	4309	4733
Industrial waste	807	1782	939	1223	1338	1263
Others	354	305	424	308	311	146
Total input	146207	156094	158929	156403	153178	152063
Total production	48222	52499	55465	53010	55544	55289
Estimated efficiency (% of production to input)	33	34	35	34	36	36

Statistics on electricity

Iceland

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	18799	18550	19239	19830	19489	19127
Combustible fuels	4	3	2	2	3	3
Hydro	13781	13470	14059	13814	13461	13157
Nuclear	..	..	..	..	..	..
Other	5014	5077	5178	6014	6025	5967
Main activity	18799	18550	19239	19830	19489	19127
Combustible fuels	4	3	2	2	3	3
Hydro	13781	13470	14059	13814	13461	13157
Nuclear	..	..	..	..	..	..
Other	5014	5077	5178	6014	6025	5967
Own use in electricity, CHP and heat plants	241	378	392	397	369	349
Net production	18558	18172	18846	19432	19120	18779
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	576	489	591	554	531	540
Consumption	17666	17480	18061	18664	18402	18049
Energy industries own use	195	176	169	177	175	180
By industry and construction	15129	14841	15388	15525	14900	14738
By transport	2	4	9	14	23	28
By households and other cons.	2340	2459	2494	2948	3304	3102
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2772	2772	2823	2973	2979	2989
Combustible fuels	117	117	116	116	116	116
Hydro	1987	1987	1995	2099	2104	2114
Nuclear	..	..	..	..	..	..
Other	668	668	712	758	758	758
Main activity	2772	2772	2823	2973	2979	2989
Combustible fuels	117	117	116	116	116	116
Hydro	1987	1987	1995	2099	2104	2114
Nuclear	..	..	..	..	..	..
Other	668	668	712	758	758	758
Combustible fuel input	Terajoules					
Gas-diesel oil	86	86	27	24	53	24
Total input	86	86	27	24	53	24
Total production	14	11	8	7	10	11
Estimated efficiency (% of production to input)	17	13	28	28	18	46

Statistics on electricity

India

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1354382	1432358	1490257	1521958	1576740	*1533307
Combustible fuels	1158338	1188280	1217575	1244959	1253707	*1200660
Hydro	121546	122507	126235	135164	156049	*160909
Nuclear	37414	37916	38346	37813	46472	*43029
Other	37084	83655	108101	*104022	*120512	*128709
Main activity	1135434	1233926	1305954	1346325	1358798	*1351266
Combustible fuels	943013	993516	1037184	1072314	1042838	*1027127
Hydro	121377	122378	126123	134894	155769	*160558
Nuclear	37414	37916	38346	37813	46472	*43029
Other	33630	80116	104301	*101304	*113719	*120552
Own use in electricity, CHP and heat plants	79302	95931	100826	108297	*109107	*123512
Net production	1275080	1336427	1389431	1413661	1467633	*1409795
Imports	5244	5617	5611	4657	6351	*9318
Exports	5150	6710	7203	8494	9491	*9426
Losses	240864	248834	259827	269165	266527	*252502
Consumption	1034374	1071213	1135284	1163990	1297138	*1187126
Energy industries own use	*5294	*4945	*4956	*5679	*5645	*4937
By industry and construction	*451412	426665	*468909	484843	551362	*500291
By transport	16594	17217	14356	16823	19577	*18500
By households and other cons.	561074	622386	647063	656645	720554	*663398
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	287128	374795	400455	427794	442320	458430
Combustible fuels	210430	267129	276062	298316	305307	307076
Hydro	40331	44597	45344	45502	45830	46341
Nuclear	5780	6780	6780	6780	6780	6780
Other	*30587	56289	72269	77196	84403	*98233
Main activity	205114	322506	343824	352179	364297	382151
Combustible fuels	130475	218330	222907	226279	230600	234728
Hydro	40272	44532	45293	45399	45699	46209
Nuclear	5780	6780	6780	6780	6780	6780
Other	*28587	52864	68844	73721	81218	*94434
Combustible fuel input	Terajoules					
Hard Coal	9353251	9407701	10218153	*10158212	9747831	*8850645
Brown Coal	360925	434150	368083	361622	363330	*275335
Gas-diesel oil	9632	16426	15222	21457	13803	19608
Fuel oil	19432	15231	12362	14059	12968	*9575
Liquefied petroleum gas	142	95	..	95	47	..
Naphtha	2225	2670	2982	223	..	*3115
Natural gas	*634158	654623	632575	468447	*637011	*646955
Coke-oven gas	*30881	*33073	*36321	*38643	*40732	*37601
Bagasse	207880	365524	558763	569080	584108	581059
Vegetal waste	127136	148048	132922	102533	100589	134091
Total input	10745662	11077541	11977384	*11734370	11500420	*10557983
Total production	4170017	4277808	4383270	4481852	4513345	*4322376
Estimated efficiency (% of production to input)	39	39	37	38	39	41

Statistics on electricity

Indonesia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	267287	233367	262673	275657	280562	274780
Combustible fuels	240698	201209	230068	242665	247723	240582
Hydro	17595	21475	18632	19774	19749	19900
Nuclear	..	..	..	..	..	..
Other	8995	10683	13973	13218	13089	14298
Main activity	157027	166458	205415	228599	236449	238046
Combustible fuels	142227	148606	187715	195606	203610	203848
Hydro	10005	13885	12425	19774	19749	19900
Nuclear	..	..	..	..	..	..
Other	4796	3967	5276	13218	13089	14298
Own use in electricity, CHP and heat plants	12838	9900	9865	10784	11243	11034
Net production	254449	223467	252808	264873	269319	263746
Imports	13	1	1120	..	..	..
Exports	..	..	..	..	..	..
Losses	22057	22706	24887	25093	25822	25263
Consumption	212767	215781	244637	251796	258092	265092
Energy industries own use	..	..	..	..	..	..
By industry and construction	72541	68145	93465	92968	88323	81456
By transport	257	..	240	266	278	160
By households and other cons.	139969	147636	150932	158562	169491	183476
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	74448	59305	60619	65920	67202	67587
Combustible fuels	65967	52622	51394	56013	57079	57225
Hydro	6186	4868	6239	7595	7722	7813
Nuclear	..	..	..	..	..	..
Other	2295	*1815	2986	2313	2401	2549
Main activity	55394	39980	46430	52346	52616	53039
Combustible fuels	48967	35622	39797	44763	45022	45231
Hydro	4886	3568	4853	5436	5447	5513
Nuclear	..	..	..	..	..	..
Other	1541	790	1780	2146	2147	2294
Combustible fuel input	Terajoules					
Hard Coal	1850002	1854221	2013593	2393869	2572155	2676052
Motor gasoline	7664	7752	6867	8284	7682	*7974
Gas-diesel oil	155316	130333	97653	123109	104087	100362
Fuel oil	20200	21129	16483	22180	16083	14483
Natural gas	777817	452991	559508	465092	546210	500814
Fuelwood	8298	10512	0	..	..	..
Charcoal	266	*266	*266	..	..	..
Biodiesel	*6403	*12696	*9826	*10746	*15382	22669
Total input	2825965	2489900	2704194	3023279	3261600	3322354
Total production	866513	724352	828245	873594	891803	866096
Estimated efficiency (% of production to input)	31	29	31	29	27	26

Statistics on electricity

Iran (Islamic Rep. of)

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	280635	289116	307992	309351	321570	324845
Combustible fuels	263393	265799	285012	285278	298856	302092
Hydro	14090	16421	15051	15765	15873	15887
Nuclear	2914	6620	7514	7450	5870	5790
Other	238	276	415	858	970	1076
Main activity	274195	282634	300087	304384	316637	319825
Combustible fuels	256953	259317	277107	280311	293923	297072
Hydro	14090	16421	15051	15765	15873	15887
Nuclear	2914	6620	7514	7450	5870	5790
Other	238	276	415	858	970	1076
Own use in electricity, CHP and heat plants	8132	8205	8833	8702	9046	9138
Net production	272503	280911	299159	300649	312524	315707
Imports	4148	4221	3852	2588	2738	2738
Exports	6822	6688	8172	6295	6365	6365
Losses	33297	33513	33722	32853	34175	34527
Consumption	235555	243468	254942	262084	264725	269094
Energy industries own use	2915	3016	3225	3362	3359	3123
By industry and construction	77186	80860	80749	87491	87411	88951
By transport	549	436	477	514	514	523
By households and other cons.	154905	159156	170491	170717	173441	176497
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	74185	74106	*76569	*78794	*80467	*80467
Combustible fuels	61632	61262	*63145	*65241	*66740	*66740
Hydro	11354	11578	11949	11953	12026	*12026
Nuclear	1020	1020	1020	1020	1020	*1020
Other	179	246	455	580	681	*681
Main activity	68604	68525	*70816	*72889	*74467	*74467
Combustible fuels	56051	55681	*57392	*59336	*60740	*60740
Hydro	11354	11578	11949	11953	12026	*12026
Nuclear	1020	1020	1020	1020	1020	*1020
Other	179	246	455	580	681	*681
Combustible fuel input	Terajoules					
Biogas	127	282	288	254	254	254
Gas-diesel oil	227649	219566	181176	216441	202856	187220
Fuel oil	266494	171999	141457	131677	130803	128055
Other kerosene	..	..	175	165	149	78
Natural gas	2279763	2431484	2730586	2650860	2602176	2648027
Coke-oven gas	88	169	2181	2225	2324	2632
Blast furnace gas	9064	9474	7739	7776	8329	8231
Total input	2783185	2832973	3063602	3009398	2946892	2974497
Total production	948215	956876	1026043	1027000	1075881	1087531
Estimated efficiency (% of production to input)	34	34	33	34	37	37

Statistics on electricity

Iraq

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*68745	80087	83947	82507	88867	91423
Combustible fuels	*66116	76659	81714	80312	83846	86449
Hydro	*2572	3371	2176	1818	4963	4916
Nuclear	..	..	..	..	..	..
Other	57	57	57	377	57	57
Main activity	*68688	80030	83890	82130	88810	91366
Combustible fuels	*66116	76659	81714	80312	83846	86449
Hydro	*2572	3371	2176	1818	4963	4916
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*977	2080	3947	2076	5489	5647
Net production	*67768	78007	80000	80431	83378	85777
Imports	13104	11965	11787	21793	34396	18609
Exports	..	..	..	..	..	..
Losses	31967	48958	52767	55631	66724	59563
Consumption	42735	39433	38377	43555	45270	42864
Energy industries own use	..	..	..	..	..	..
By industry and construction	*8665	5180	5160	5030	5322	4487
By transport	..	..	..	..	..	..
By households and other cons.	34070	34253	33217	38525	39948	38377
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	31148	32214	26133	27412	27412	*27412
Combustible fuels	28598	29664	24300	25400	25400	*25400
Hydro	2513	2513	1796	1796	1796	*1796
Nuclear	..	..	..	..	..	..
Other	37	37	37	216	216	*216
Main activity	31111	32177	26096	27196	27196	*27196
Combustible fuels	28598	29664	24300	25400	25400	*25400
Hydro	2513	2513	1796	1796	1796	*1796
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Crude oil	348044	380489	338781	338423	366850	302506
Gas-diesel oil	9417	9417	28251	31474	34581	31340
Fuel oil	201071	233795	121523	132601	113823	65534
Naphtha	0	..	..	..	..	..
Natural gas	207313	225878	353870	460255	587036	609627
Total input	765845	849578	842425	962753	1102290	1009007
Total production	*238018	275972	294170	289123	301847	311218
Estimated efficiency (% of production to input)	31	32	35	30	27	31

Statistics on electricity

Ireland

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	28393	30514	30876	31139	30960	32290
Combustible fuels	20721	23388	22525	21546	19768	19453
Hydro	1095	973	895	932	1132	1224
Nuclear	..	..	..	..	..	..
Other	6577	6153	7456	8661	10060	11613
Main activity	26194	28277	28637	28925	28784	30072
Combustible fuels	18562	21189	20334	19393	17684	17352
Hydro	1095	973	895	932	1132	1224
Nuclear	..	..	..	..	..	..
Other	6537	6115	7408	8600	9967	11496
Own use in electricity, CHP and heat plants	770	822	783	781	686	770
Net production	27623	29692	30093	30357	30274	31520
Imports	1752	871	1116	1622	2180	1761
Exports	1079	1583	1795	1649	1535	1913
Losses	2084	2135	2176	2236	2274	2313
Consumption	26444	27023	27153	28509	29038	29320
Energy industries own use	656	647	516	632	614	674
By industry and construction	6392	6680	6796	6940	6940	6488
By transport	44	49	53	62	79	88
By households and other cons.	19352	19647	19788	20875	21404	22069
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9679	10032	10610	10987	11131	11244
Combustible fuels	6697	6696	6745	6752	6417	6316
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	2453	2807	3336	3705	4185	4399
Main activity	9318	9665	10224	10576	10682	10758
Combustible fuels	6354	6351	6395	6396	6053	5949
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	2435	2785	3299	3651	4100	4280
Combustible fuel input	Terajoules					
Hard Coal	48423	46439	37501	21254	6693	8282
Peat	24635	23893	22480	20982	20851	15436
Biogas	1948	1938	1914	1699	1666	1641
Gas-diesel oil	774	473	306	342	515	475
Fuel oil	2424	2182	1075	1089	2725	3931
Liquefied petroleum gas	47	47	27	27	27	18
Refinery gas	347	198	14	..	..	..
Natural gas	88183	108711	112511	114234	117046	119186
Fuelwood	*1794	*3675	*3561	*3184	*3223	*4119
Municipal waste	2120	2132	4596	7957	7748	8155
Total input	170694	189688	183986	170767	160493	161244
Total production	74596	84197	81091	77565	71166	70029
Estimated efficiency (% of production to input)	44	44	44	45	44	43

Statistics on electricity

Isle of Man

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	435	433	467	493	581	552
Combustible fuels	431	430	463	490	578	548
Hydro	4	3	4	*2	3	4
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	411	408	443	460	548	518
Combustible fuels	407	405	439	457	545	515
Hydro	4	3	4	*2	3	4
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	35	39	10
Net production	435	433	467	457	542	542
Imports	63	65	41	*65	*46	*46
Exports	87	105	95	131	192	168
Losses	*30	*30	*30	*25	*30	61
Consumption	367	362	363	362	366	360
Energy industries own use	..	..	..	..	..	..
By industry and construction	141	139	133	135	141	128
By transport	..	..	..	..	..	..
By households and other cons.	226	223	230	227	225	232
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	194	184	187	187	187	187
Combustible fuels	193	183	186	186	186	186
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	186	176	180	180	180	180
Combustible fuels	185	175	179	179	179	179
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	108	105	48	35	29	8
Natural gas	3165	3668	3587	3587	4304	4167
Municipal waste	*389	*411	*396	*546	*542	*543
Total input	3662	4184	4031	4168	4875	4718
Total production	1551	1548	1666	1765	2080	1973
Estimated efficiency (% of production to input)	42	37	41	42	43	42

Statistics on electricity

Israel

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	64226	66976	67674	68894	72351	72285
Combustible fuels	63080	65432	65742	66978	68796	67702
Hydro	24	0	0	0	..	..
Nuclear	..	..	..	..	..	..
Other	1122	1544	1933	1916	3555	4583
Main activity	60483	62907	63409	63847	65506	64212
Combustible fuels	60461	62907	63409	63847	65000	63574
Hydro	15	0	0	0	..	..
Nuclear	..	..	..	..	..	..
Other	7	0	0	0	505	638
Own use in electricity, CHP and heat plants	1928	2441	2199	2304	2425	2374
Net production	62298	64535	65476	66590	69926	69910
Imports	..	..	..	..	..	..
Exports	5197	5553	5649	5863	6311	6243
Losses	2472	2535	2387	2514	2787	3197
Consumption	54791	56443	57149	58307	60760	60910
Energy industries own use	769	755	855	826	871	861
By industry and construction	12746	13444	12943	13996	12521	12615
By transport	..	..	..	..	..	..
By households and other cons.	41276	42244	43352	43485	47368	47433
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	17221	17585	17827	18020	19139	20006
Combustible fuels	16466	16689	16813	16617	16837	16982
Hydro	7	7	8	9	9	309
Nuclear	..	..	..	..	..	..
Other	748	889	1006	1393	2292	2715
Main activity	15986	16198	16236	16001	16460	16818
Combustible fuels	15975	16166	16205	15964	16181	16239
Hydro	5	5	4	2	2	302
Nuclear	..	..	..	..	..	..
Other	6	27	27	35	277	277
Combustible fuel input	Terajoules					
Hard Coal	266209	227233	206953	195455	206387	180082
Biogas	559	795	960	878	878	963
Oil shale	1667	1679	1783	648	614	520
Gas-diesel oil	3913	2193	6594	2646	6648	1751
Fuel oil	848	848	1284	968	865	525
Other oil products	0	..	..	..	..	..
Natural gas	262263	317669	342459	300611	287920	317304
Total input	535460	550418	560033	501207	503312	501146
Total production	227088	235555	236671	241120	247667	243727
Estimated efficiency (% of production to input)	42	43	42	48	49	49

Statistics on electricity

Italy

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	282994	289768	295830	289708	293853	280531
Combustible fuels	191458	198693	208824	192129	195084	180805
Hydro	46970	44257	38025	50503	48154	49495
Nuclear	..	..	..	..	..	..
Other	44566	46818	48982	47077	50616	50231
Main activity	263912	271301	276048	266925	271513	260196
Combustible fuels	173249	181006	189674	170015	173389	161147
Hydro	46361	43695	37536	50037	47661	49030
Nuclear	..	..	..	..	..	..
Other	44302	46600	48839	46873	50463	50019
Own use in electricity, CHP and heat plants	10566	10065	10564	9864	9903	8883
Net production	272428	279703	285266	279845	283950	271648
Imports	50849	43181	42895	47170	43975	39790
Exports	4471	6154	5134	3271	5834	7590
Losses	19717	18753	18668	17988	17818	17366
Consumption	299089	297977	304359	305755	304273	286483
Energy industries own use	11606	11950	12393	12674	12340	11282
By industry and construction	112665	113257	115609	116070	119535	117305
By transport	10856	11162	11383	11540	11542	10114
By households and other cons.	163962	161608	164973	165471	160856	147781
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	116964	114162	114241	115221	116435	116383
Combustible fuels	65617	62096	61289	61276	61284	60106
Hydro	22220	22298	22426	22499	22541	22695
Nuclear	..	..	..	..	..	..
Other	29127	29768	30526	31446	32610	33583
Main activity	111706	109328	109207	109699	111003	111218
Combustible fuels	60575	57438	56426	55929	56028	55115
Hydro	22099	22181	22307	22393	22435	22604
Nuclear	..	..	..	..	..	..
Other	29032	29709	30473	31377	32541	33498
Combustible fuel input	Terajoules					
Hard Coal	414451	342425	304038	266920	183035	144183
Biogas	76475	76651	77414	76494	81049	79520
Fuel oil	37532	20281	20059	12496	12649	12985
Refinery gas	28958	31581	30818	30381	31070	27800
Other oil products	118188	125022	119490	125585	107705	101846
Natural gas	947225	1057652	1162357	1075138	1171351	1114340
Blast furnace gas	15672	23686	16953	17987	17071	10825
Fuelwood	70047	73136	72332	72080	71285	73475
Municipal waste	70838	72906	71443	70893	73103	70608
Other liquid biofuels	29400	28277	26895	26114	28444	28341
Others	26071	17982	18031	15985	16476	14452
Total input	1834855	1869599	1919829	1790073	1793238	1678376
Total production	689249	715295	751765	691664	702303	650898
Estimated efficiency (% of production to input)	38	38	39	39	39	39

Statistics on electricity

Jamaica

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4206	4342	4360	4402	4425	4844
Combustible fuels	3953	4002	3873	3875	3948	4399
Hydro	128	118	154	179	157	133
Nuclear	..	..	..	..	..	..
Other	125	222	333	348	321	312
Main activity	2528	2556	2533	2561	2917	3972
Combustible fuels	2400	2438	2379	2382	2761	3839
Hydro	128	118	154	179	157	133
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	12	13	18	19	125	112
Net production	4194	4329	4342	4383	4301	4731
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1137	1160	1152	1144	1126	1126
Consumption	3073	3184	3191	3299	3173	3605
Energy industries own use	..	..	..	..	..	..
By industry and construction	1379	1410	1358	1800	1259	1421
By transport	..	..	..	..	..	..
By households and other cons.	1694	1774	1833	1499	1914	2184
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	965	1031	1041	1045	*1150	*1156
Combustible fuels	871	871	871	874	*962	*968
Hydro	29	29	29	29	29	*29
Nuclear	..	..	..	..	..	..
Other	65	131	141	142	*159	*159
Main activity	641	661	661	665	*665	*665
Combustible fuels	609	609	609	612	*612	*612
Hydro	29	29	29	29	29	*29
Nuclear	..	..	..	..	..	..
Other	3	23	23	24	*24	*24
Combustible fuel input	Terajoules					
Gas-diesel oil	7835	9507	1587	1419	1677	1626
Fuel oil	26337	26296	29007	29169	26422	9851
Natural gas	..	*355	*4089	3789	9630	23334
Bagasse	*2626	*2703	*980	*778	*954	*780
Total input	36797	38861	35663	35155	38682	35591
Total production	14231	14407	13943	13950	14212	15837
Estimated efficiency (% of production to input)	39	37	39	40	37	44

Statistics on electricity

Japan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1058649	1070872	1080902	1068385	1040627	1017778
Combustible fuels	894055	892020	872192	823386	790504	783522
Hydro	91270	85665	91104	88348	87653	87548
Nuclear	9437	18060	32912	64929	63779	38752
Other	63887	75127	84694	91722	98691	107957
Main activity	824250	923511	929784	906514	878298	857863
Combustible fuels	737463	808823	791580	737145	708036	708059
Hydro	74801	82349	88356	85058	84325	84549
Nuclear	9437	18060	32912	64929	63779	38752
Other	2549	14279	16936	19382	22158	26504
Own use in electricity, CHP and heat plants	34594	45239	48209	43484	42133	42133
Net production	1024055	1025633	1032693	1024901	998494	975646
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	40587	45600	40642	45010	44095	46265
Consumption	969586	973824	989627	970582	952086	932904
Energy industries own use	20098	23120	24895	24894	24828	25502
By industry and construction	344721	342870	346234	347257	338034	318169
By transport	17551	17543	17543	17304	17304	17304
By households and other cons.	587216	590291	600956	581127	571920	571929
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	326444	338210	342198	347177	346474	353667
Combustible fuels	194388	198299	197092	196656	193414	191758
Hydro	50034	50117	50014	50037	50033	50033
Nuclear	42048	41482	39132	38042	33083	33083
Other	39974	48312	55959	62442	69944	78794
Main activity	231484	274454	272831	271642	266069	269605
Combustible fuels	143040	174392	173261	171469	168760	170260
Hydro	45786	49521	49562	49582	49635	49635
Nuclear	42048	41482	39132	38042	33083	33083
Other	610	9059	10876	12550	14592	16627
Combustible fuel input	Terajoules					
Hard Coal	2901200	2869146	2973099	2866822	2839565	2681204
Fuel oil	367721	302475	223939	163552	121353	112344
Refinery gas	93902	116523	139999	118072	81099	98185
Natural gas	3342226	3450612	3287592	3126892	2949563	3028391
Coke-oven gas	65612	65260	62449	58947	59835	53931
Blast furnace gas	210696	206264	196630	190515	184687	144098
Fuelwood	*19329	*35158	*49294	*61279	*74476	*97058
Vegetal waste	*59374	*60900	*65387	*65419	*89909	*77036
Industrial waste	73204	132226	149210	167464	146808	139540
Bitumen	25004	75174	75972	77196	75353	44330
Others	447665	283424	240324	195146	188760	181078
Total input	7605933	7597162	7463894	7091305	6811408	6657195
Total production	3218598	3211272	3139892	2964191	2845814	2820678
Estimated efficiency (% of production to input)	42	42	42	42	42	42

Statistics on electricity

Jersey

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	48	70	49	45	44	*43
Combustible fuels	48	70	49	45	44	*43
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	7	24	4	2	2	1
Combustible fuels	7	24	4	2	2	1
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	48	70	49	45	44	*43
Imports	625	614	626	637	630	612
Exports	..	..	..	..	..	..
Losses	52	47	53	48	40	*40
Consumption	622	637	620	633	632	616
Energy industries own use	..	..	..	..	..	..
By industry and construction	242	*249	*239	*239	*234	*204
By transport	..	..	..	..	..	..
By households and other cons.	380	387	381	395	398	412
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	78	78	78	78	*78	*78
Combustible fuels	78	78	78	78	*78	*78
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	50	50	50	50	*50	*50
Combustible fuels	50	50	50	50	*50	*50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	103	259	58	32	28	*22
Municipal waste	*732	*813	*799	*760	*764	*760
Total input	*835	*1072	*857	*792	*793	*782
Total production	173	250	176	161	159	*154
Estimated efficiency (% of production to input)	21	23	20	20	20	20

Statistics on electricity

Jordan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	19012	19677	20793	20476	20995	20952
Combustible fuels	18834	18817	19387	18332	18016	16675
Hydro	53	42	38	23	18	18
Nuclear	..	..	..	..	..	..
Other	125	818	1369	2122	2961	4259
Main activity	18540	19390	19560	19298	19773	20045
Combustible fuels	18363	18530	18154	17154	16794	15768
Hydro	53	42	38	23	18	18
Nuclear	..	..	..	..	..	..
Other	125	818	1369	2122	2961	4259
Own use in electricity, CHP and heat plants	571	520	514	443	401	377
Net production	18441	19157	20279	20033	20594	20576
Imports	604	334	51	188	239	632
Exports	50	46	57	94	98	190
Losses	2190	2072	2029	2094	2249	2307
Consumption	16282	16805	17605	17594	17999	18670
Energy industries own use	105	105	101	100	89	100
By industry and construction	3823	3763	3910	3861	3622	3592
By transport	..	..	..	..	..	..
By households and other cons.	12354	12937	13594	13632	14287	14978
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4455	4490	4551	4891	5272	5674
Combustible fuels	4320	3990	3941	3796	3796	4250
Hydro	12	6	6	6	6	6
Nuclear	..	..	..	..	..	..
Other	123	494	604	1089	1470	1418
Main activity	4256	4270	4301	4641	5022	5424
Combustible fuels	4121	3770	3691	3546	3546	4000
Hydro	12	6	6	6	6	6
Nuclear	..	..	..	..	..	..
Other	123	494	604	1089	1470	1418
Combustible fuel input	Terajoules					
Biogas	*64	*64	49	41	42	42
Gas-diesel oil	24079	1763	2847	2791	3014	2907
Fuel oil	59497	20164	24313	10670	6973	6282
Natural gas	81400	141902	163276	159917	155279	148962
Total input	165041	163892	190484	173418	165308	158193
Total production	67803	67741	69791	65994	64857	60030
Estimated efficiency (% of production to input)	41	41	37	38	39	38

Statistics on electricity

Kazakhstan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	91882	94693	103197	107605	106878	110890
Combustible fuels	82363	82661	91487	96364	95346	98711
Hydro	9269	11621	11210	10395	9994	9660
Nuclear	..	..	..	..	..	..
Other	250	411	499	845	1538	2519
Main activity	89899	92932	100169	104453	105730	108629
Combustible fuels	80452	80948	88526	93456	94638	96703
Hydro	9269	11621	11210	10395	9994	9660
Nuclear	..	..	..	..	..	..
Other	178	363	433	602	1098	2266
Own use in electricity, CHP and heat plants	163	0	0	0	6488	9542
Net production	91719	94693	103197	107605	100390	101348
Imports	1618	1319	1328	1561	1935	1569
Exports	1614	2572	5692	5042	2419	2323
Losses	5174	5342	6411	6569	9689	6746
Consumption	78795	80020	88750	95318	80662	80050
Energy industries own use	8209	10166	9957	14981	8707	9928
By industry and construction	44161	45468	47606	50396	44081	43978
By transport	5392	4699	5626	3234	3525	2939
By households and other cons.	21033	19687	25560	26707	24350	23206
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*25934	*25941	*26319	26192	24827	25976
Combustible fuels	*22985	*22935	*23251	22640	20281	20652
Hydro	2678	2696	2726	2756	2778	2785
Nuclear	..	..	..	..	..	..
Other	271	310	342	796	1769	2540
Main activity	*25394	*25451	*25513	25269	24291	25068
Combustible fuels	*22500	*22500	*22500	21902	20079	20079
Hydro	2678	2696	2726	2756	2778	2785
Nuclear	..	..	..	..	..	..
Other	216	255	287	611	1434	2205
Combustible fuel input	Terajoules					
Hard Coal	782334	806453	902591	991148	948986	948231
Brown Coal	7048	6220	8132	10486	5748	2263
Biogas	42	58	32	19	43	70
Fuel oil	16241	23028	8888	8601	7442	7660
Natural gas	225843	257658	261839	313105	311886	297164
Total input	1031508	1093417	1181481	1323358	1274105	1255388
Total production	296507	297580	329354	346911	343247	355359
Estimated efficiency (% of production to input)	29	27	28	26	27	28

Statistics on electricity

Kenya

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9515	10058	10360	11182	11621	11604
Combustible fuels	1471	1557	2766	1679	1526	891
Hydro	3463	3960	2777	3986	3205	4233
Nuclear	..	..	..	..	..	..
Other	4580	4541	4818	5517	6890	6480
Main activity	9456	9971	10129	11049	11408	11467
Combustible fuels	1412	1471	2534	1546	1313	755
Hydro	3463	3960	2777	3986	3205	4233
Nuclear	..	..	..	..	..	..
Other	4580	4541	4818	5517	6890	6480
Own use in electricity, CHP and heat plants	78	80	84	86	86	120
Net production	9437	9978	10276	11096	11535	11483
Imports	59	86	230	130	212	137
Exports	47	39	12	35	16	17
Losses	1642	1965	1938	2445	2751	2791
Consumption	7826	8053	8410	8702	8854	8955
Energy industries own use	..	..	..	..	..	..
By industry and construction	4426	5030	5067	4337	4441	4440
By transport	..	..	..	..	..	..
By households and other cons.	3400	3023	3343	4366	4413	4515
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2264	2255	2321	3043	3155	3173
Combustible fuels	819	786	816	1209	1113	1087
Hydro	800	798	826	821	826	834
Nuclear	..	..	..	..	..	..
Other	646	671	679	1014	1216	1252
Main activity	2264	2255	2271	2679	2791	2835
Combustible fuels	819	786	766	845	749	749
Hydro	800	798	826	821	826	834
Nuclear	..	..	..	..	..	..
Other	646	671	679	1014	1216	1252
Combustible fuel input	Terajoules					
Biogas	4	8	5	4	4	2
Gas-diesel oil	3612	2263	1196	9116	9159	3268
Fuel oil	7874	5484	11009	*7272	4646	5050
Vegetal waste	16800	15460	16800	*16500	*15000	*8250
Total input	28290	23215	29010	*32892	*28809	16570
Total production	5295	5606	9956	6043	5493	3209
Estimated efficiency (% of production to input)	19	24	34	18	19	19

Statistics on electricity

Kiribati

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*29	*31	*31	*32	*32	*31
Combustible fuels	*26	*26	*26	*27	*27	*26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	5	5	5	5	*5
Main activity	*27	*29	*29	*29	*30	*29
Combustible fuels	*24	*24	*24	*24	*25	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	5	5	5	5	*5
Own use in electricity, CHP and heat plants	1	1	1	1	1	*1
Net production	*29	*30	*30	*30	*31	*30
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*5	*5	*5	*5	*5	*3
Consumption	*22	*24	*24	*25	*26	*26
Energy industries own use	..	..	..	..	..	..
By industry and construction	*2	*2	*2	*2	*2	*2
By transport	..	..	..	..	..	..
By households and other cons.	*20	*22	*22	*23	*24	*24
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*10	*11	*11	*11	*11	*11
Combustible fuels	*8	*8	*8	*8	*8	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	3	3	3	3	*3
Main activity	*9	*10	*10	*10	*10	*10
Combustible fuels	*7	*7	*7	*7	*7	*7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	3	3	3	3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*258	*258	*292	*310	*331	*301
Total input	*258	*258	*292	*310	*331	*301
Total production	*92	*94	*94	*95	*96	*94
Estimated efficiency (% of production to input)	36	37	32	31	29	31

Statistics on electricity

Korea, Dem.Ppl's.Rep.

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13748	16272	14451	15044	13580	15210
Combustible fuels	3737	3459	2537	2229	2563	2394
Hydro	10000	12800	11900	12800	11000	12800
Nuclear	..	..	..	..	..	..
Other	11	13	14	15	16	16
Main activity	13748	16272	14451	15044	13580	15210
Combustible fuels	3737	3459	2537	2229	2563	2394
Hydro	10000	12800	11900	12800	11000	12800
Nuclear	..	..	..	..	..	..
Other	11	13	14	15	16	16
Own use in electricity, CHP and heat plants	1303	1542	1369	1426	1287	1441
Net production	12445	14730	13081	13618	12293	13769
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2173	2571	2283	2377	2146	2403
Consumption	10272	12159	10798	11241	10147	11365
Energy industries own use	..	..	..	..	..	..
By industry and construction	5136	6080	7367	7669	6923	7754
By transport	..	..	325	338	306	342
By households and other cons.	5136	6079	3106	3234	2919	3269
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7435	7693	7756	8188	8192	8267
Combustible fuels	2960	2960	2960	3360	3360	*3360
Hydro	4467	4701	4761	4790	4790	4865
Nuclear	..	..	..	..	..	..
Other	*8	32	35	38	42	42
Main activity	7435	7693	7756	8188	8192	8267
Combustible fuels	2960	2960	2960	3360	3360	*3360
Hydro	4467	4701	4761	4790	4790	4865
Nuclear	..	..	..	..	..	..
Other	*8	32	35	38	42	42
Combustible fuel input	Terajoules					
Hard Coal	22517	25612	20195	16854	18856	17736
Brown Coal	4168	4537	3164	2638	2950	2775
Fuel oil	14706	17049	14134	13843	16757	15446
Total input	41390	47198	37493	33336	38564	35957
Total production	13453	12452	9132	8024	9228	8617
Estimated efficiency (% of production to input)	33	26	24	24	24	24

Statistics on electricity

Korea, Republic of

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	552697	562700	566893	590129	581492	578595
Combustible fuels	375110	385483	400161	435310	410786	386067
Hydro	5796	6634	7006	7270	6249	7148
Nuclear	164762	161995	148427	133505	145910	160184
Other	7029	8588	11299	14043	18547	25195
Main activity	522835	527687	533241	554403	549652	547980
Combustible fuels	345891	351259	367474	400707	380291	356960
Hydro	5796	6634	7006	7270	6249	7148
Nuclear	164762	161995	148427	133505	145910	160184
Other	6386	7799	10335	12921	17202	23688
Own use in electricity, CHP and heat plants	23733	22616	21097	23284	22393	21683
Net production	528964	540084	545796	566845	559099	556911
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	17979	18475	18790	18183	19000	18610
Consumption	511469	534858	543861	550590	542836	532348
Energy industries own use	16158	17587	20624	19216	19020	19653
By industry and construction	262369	265383	274429	278814	272589	262376
By transport	2217	2689	2864	2967	3111	3271
By households and other cons.	230725	249199	245944	249593	248116	247048
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	103421	111583	123550	128299	132870	139145
Combustible fuels	70108	75559	86377	89014	88174	89555
Hydro	6471	6485	6489	6490	6509	6506
Nuclear	21716	23116	22529	21850	23250	23250
Other	5126	6423	8155	10945	14936	19834
Main activity	96330	103976	114020	117742	122842	128751
Combustible fuels	63704	68903	78130	80138	80211	81592
Hydro	6471	6485	6489	6490	6509	6506
Nuclear	21716	23116	22529	21850	23250	23250
Other	4439	5472	6872	9263	12871	17403
Combustible fuel input	Terajoules					
Hard Coal	2106320	2107076	2117887	2113890	2011638	1699734
Brown Coal	145713	140268	208596	209868	187907	159243
Fuel oil	76073	112070	44641	48864	28553	18122
Naphtha	63680	55136	45689	47573	31957	31634
Petroleum coke	15925	10628	20575	21129	25577	19480
Natural gas	889749	952847	993522	1204485	1156396	1276037
Coke-oven gas	35247	35474	39417	41093	37527	33516
Blast furnace gas	124623	120427	121844	121419	120192	117874
Fuelwood	*10176	*38807	*41348	*52534	*55244	*54312
Other recovered gases	22509	23676	23219	23177	22465	21131
Others	36411	33591	43312	46286	50158	44009
Total input	3526426	3629999	3700053	3930317	3727614	3475092
Total production	1350396	1387739	1440581	1567116	1478831	1389842
Estimated efficiency (% of production to input)	38	38	39	40	40	40

Statistics on electricity

Kosovo

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6119	5981	5918	5915	6351	6711
Combustible fuels	5979	5736	5738	5611	6037	6348
Hydro	140	245	179	273	213	263
Nuclear	..	..	..	..	..	..
Other	..	..	1	32	101	101
Main activity	6119	5981	5918	5915	6351	6711
Combustible fuels	5979	5736	5738	5611	6037	6348
Hydro	140	245	179	273	213	263
Nuclear	..	..	..	..	..	..
Other	..	..	1	32	101	101
Own use in electricity, CHP and heat plants	618	430	617	535	500	551
Net production	5501	5551	5301	5381	5851	6160
Imports	684	557	1242	825	928	966
Exports	553	1064	880	677	905	1283
Losses	999	1174	1317	1125	1145	945
Consumption	4622	3871	4338	4398	4714	4894
Energy industries own use	0	0	..	..	..	..
By industry and construction	1368	1048	1063	980	1043	1072
By transport	..	..	..	..	..	..
By households and other cons.	3254	2823	3275	3418	3671	3822
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	959	1009	1409	1409	1417	1442
Combustible fuels	915	915	1288	1288	1288	1288
Hydro	43	86	80	80	85	110
Nuclear	..	..	..	..	..	..
Other	1	8	40	40	44	44
Main activity	959	1009	1409	1409	1417	1442
Combustible fuels	915	915	1288	1288	1288	1288
Hydro	43	86	80	80	85	110
Nuclear	..	..	..	..	..	..
Other	1	8	40	40	44	44
Combustible fuel input	Terajoules					
Brown Coal	63532	66473	55789	59501	62182	63282
Gas-diesel oil	86	86	72	62	87	80
Fuel oil	121	121	72	71	71	99
Total input	63739	66680	55932	59634	62340	63461
Total production	21524	20650	20657	20199	21732	22852
Estimated efficiency (% of production to input)	34	31	37	34	35	36

Statistics on electricity

Kuwait

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	68288	70100	72826	74161	75082	74757
Combustible fuels	68288	70085	72788	74103	74950	74544
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	15	38	58	132	213
Main activity	68288	70100	72826	74161	75082	74757
Combustible fuels	68288	70085	72788	74103	74950	74544
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	15	38	58	132	213
Own use in electricity, CHP and heat plants	7878	8183	7957	8370	7835	7929
Net production	60410	61917	64869	65791	67247	66828
Imports	133	171	553	202	..	..
Exports	175	213	390	535	..	..
Losses	6037	6188	6503	6546	6701	6636
Consumption	54331	55688	58529	58913	65541	65180
Energy industries own use	14895	5317	4866	5118	5230	5460
By industry and construction	..	9950	11180	11033	16534	16372
By transport	..	..	..	..	..	..
By households and other cons.	39436	40421	42483	42762	43777	43348
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	18279	18883	18767	18778	19252	*19252
Combustible fuels	18279	18850	18723	18723	19196	*19196
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	33	44	55	56	56
Main activity	18259	18883	18767	18778	19252	*19252
Combustible fuels	18259	18850	18723	18723	19196	*19196
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	33	44	55	56	56
Combustible fuel input	Terajoules					
Crude oil	28510	23857	54019	36642	20209	153000
Gas-diesel oil	49407	33024	29953	20888	30949	26230
Fuel oil	283406	293950	252296	260576	237212	138850
Natural gas	377668	407319	403477	434116	466577	435986
Total input	738991	758151	739745	752223	754946	754066
Total production	245837	252306	262037	266771	269822	268357
Estimated efficiency (% of production to input)	33	33	35	35	36	36

Statistics on electricity

Kyrgyzstan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13030	13262	15514	15728	15100	15404
Combustible fuels	1930	1768	1311	1410	1256	1425
Hydro	11100	11494	14203	14318	13844	13979
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	13006	13236	15499	15689	15068	15378
Combustible fuels	1906	1742	1296	1371	1224	1399
Hydro	11100	11494	14203	14318	13844	13979
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	244	182	136	194	142	447
Net production	12786	13080	15378	15534	14958	14957
Imports	729	330	..	..	269	352
Exports	184	199	1215	755	271	302
Losses	2668	2655	2844	2814	2514	2745
Consumption	10663	10428	11190	11965	12442	12262
Energy industries own use	76	268	182	101	86	74
By industry and construction	2356	1709	1763	2510	2190	1411
By transport	174	45	46	44	31	17
By households and other cons.	8057	8406	9199	9310	10135	10760
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*3865	*3786	3869	*3869	3869	3869
Combustible fuels	*801	*722	*734	*734	734	734
Hydro	*3064	*3064	3135	*3135	3135	3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*3859	*3780	3863	*3863	3863	3863
Combustible fuels	*795	*716	*728	*728	728	728
Hydro	*3064	*3064	3135	*3135	3135	3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	18775	9922	6120	4043	527	2039
Brown Coal	5334	6389	6462	8367	8441	9730
Gas-diesel oil	0	0	..	..	..	..
Fuel oil	646	364	566	1010	606	929
Natural gas	2419	2710	1697	1142	1270	1207
Total input	27175	19385	14845	14563	10844	13905
Total production	6948	6365	4720	5076	4522	5130
Estimated efficiency (% of production to input)	26	33	32	35	42	37

Statistics on electricity

Lao People's Dem. Rep.

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	16730	25068	33227	36762	31133	*39967
Combustible fuels	2476	7120	12441	13703	12194	*13665
Hydro	14252	17946	20777	22999	18899	*26262
Nuclear	..	..	..	..	..	..
Other	2	2	9	60	40	*41
Main activity	16730	25068	33227	36762	31133	*39967
Combustible fuels	2476	7120	12441	13703	12194	*13665
Hydro	14252	17946	20777	22999	18899	*26262
Nuclear	..	..	..	..	..	..
Other	2	2	9	60	40	*41
Own use in electricity, CHP and heat plants	229	2	0	1	0	*2
Net production	16501	25066	33227	36761	31133	*39965
Imports	2050	787	500	302	1345	*1331
Exports	11559	19650	24901	27216	*22460	*28833
Losses	2565	1673	3861	*4431	*3424	*5196
Consumption	4239	4660	4966	5417	6596	*7268
Energy industries own use	..	..	..	..	..	..
By industry and construction	1745	1916	2087	2286	3099	*3415
By transport	..	..	..	..	..	..
By households and other cons.	2494	2744	2880	3130	3496	*3853
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5813	6460	6931	7187	8014	9998
Combustible fuels	1918	1918	1903	1909	*1909	*2600
Hydro	3894	4538	5006	5256	6083	7376
Nuclear	..	..	..	..	..	..
Other	2	4	22	22	22	*22
Main activity	5813	6460	6931	7187	8014	9998
Combustible fuels	1918	1918	1903	1909	*1909	*2600
Hydro	3894	4538	5006	5256	6083	7376
Nuclear	..	..	..	..	..	..
Other	2	4	22	22	22	*22
Combustible fuel input	Terajoules					
Brown Coal	41605	116303	149008	*154224	*137305	*134810
Bagasse	*54	*77	*425	*421	*425	*448
Total input	41659	116380	149432	*154645	*137729	*135258
Total production	8914	25632	44788	49331	43898	*49192
Estimated efficiency (% of production to input)	21	22	30	32	32	36

Statistics on electricity

Latvia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5533	6425	7531	6725	6438	5725
Combustible fuels	3526	3767	3000	4170	4174	2940
Hydro	1860	2530	4381	2432	2108	2603
Nuclear	..	..	..	..	..	..
Other	147	128	150	123	157	182
Main activity	5276	6214	7337	6535	6251	5543
Combustible fuels	3273	3560	2812	3984	3994	2767
Hydro	1858	2528	4377	2430	2106	2601
Nuclear	..	..	..	..	..	..
Other	145	126	148	121	152	175
Own use in electricity, CHP and heat plants	441	499	506	522	491	283
Net production	5092	5926	7025	6203	5947	5442
Imports	5246	4828	4073	5174	4611	4173
Exports	3425	3795	4137	4265	3493	2548
Losses	451	476	474	448	427	377
Consumption	6461	6482	6485	6662	6637	6689
Energy industries own use	..	..	..	..	..	165
By industry and construction	1703	1667	1763	1842	1846	1864
By transport	106	105	105	104	101	94
By households and other cons.	4652	4710	4617	4717	4690	4566
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2931	2927	2941	2915	2938	2944
Combustible fuels	1275	1292	1299	1270	1270	1274
Hydro	1588	1564	1564	1565	1587	1586
Nuclear	..	..	..	..	..	..
Other	68	71	78	80	81	83
Main activity	2889	2883	2908	2881	2904	2905
Combustible fuels	1234	1251	1268	1239	1241	1243
Hydro	1587	1563	1563	1563	1585	1585
Nuclear	..	..	..	..	..	..
Other	68	69	77	78	78	78
Combustible fuel input	Terajoules					
Hard Coal	96	143	50	90	42	0
Peat	0	0	..	85	0	1
Biogas	3310	3424	3569	3291	3033	3021
Gas-diesel oil	0	0	6	4	3	1
Fuel oil	0	0	0	0	0	0
Liquefied petroleum gas	..	..	0	0	0	0
Other oil products	..	..	0	0	0	0
Natural gas	32244	32978	18586	27058	26417	17267
Fuelwood	*8359	*10331	*11070	*11693	*11341	*11159
Biodiesel	0	0	..	2	..	..
Total input	44009	46876	33281	42222	40837	31448
Total production	12694	13561	10800	15012	15025	10584
Estimated efficiency (% of production to input)	29	29	32	36	37	34

Statistics on electricity

Lebanon

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	20720	21457	23411	23150	23819	18344
Combustible fuels	20226	21047	22955	22754	22736	17200
Hydro	479	382	415	348	965	1025
Nuclear	..	..	..	..	..	..
Other	15	28	41	48	118	*120
Main activity	12253	13060	14498	15234	14702	12364
Combustible fuels	11774	12678	14083	14886	13737	11340
Hydro	479	382	415	348	965	1025
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	15	28	41	48	132	122
Net production	20705	21429	23370	23102	23687	18222
Imports	268	69	534	11	90	0
Exports	..	..	..	..	..	..
Losses	*1888	*1935	*2151	*2080	*2140	1873
Consumption	*19085	*19563	*21753	*21033	21637	16350
Energy industries own use	..	..	..	..	..	..
By industry and construction	*5001	*5126	*5700	*5511	*5669	4292
By transport	..	..	..	..	..	..
By households and other cons.	*14084	*14437	*16053	*15522	15968	12059
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3646	3665	3730	3736	3773	*3773
Combustible fuels	3359	3359	3409	3409	3409	*3409
Hydro	*274	280	282	282	282	282
Nuclear	..	..	..	..	..	..
Other	13	26	39	45	82	82
Main activity	2586	2592	2594	2594	2594	*2594
Combustible fuels	2309	2309	2309	2309	2309	*2309
Hydro	*274	280	282	282	282	282
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	3
Combustible fuel input	Terajoules					
Biogas	..	..	..	83	415	257
Gas-diesel oil	126631	126133	124593	122210	128969	*98292
Fuel oil	57173	62844	77415	75581	70782	*63171
Natural gas	0	..	..	..	..	..
Total input	183804	188976	202007	197874	200166	*161719
Total production	72814	75769	82638	81914	81850	61918
Estimated efficiency (% of production to input)	40	40	41	41	41	38

Statistics on electricity

Lesotho

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	532	508	502	517	393	427
Combustible fuels	..	0	*1	1	1	*1
Hydro	532	508	501	517	392	426
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	532	508	502	517	393	427
Combustible fuels	..	0	*1	1	1	*1
Hydro	532	508	501	517	392	426
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	1	1	0	1
Net production	532	508	501	517	393	426
Imports	261	373	387	397	542	442
Exports	4	3	1	3	1	1
Losses	122	154	116	115	130	87
Consumption	*694	*765	700	807	791	673
Energy industries own use	..	..	..	..	..	..
By industry and construction	*225	*267	309	320	312	207
By transport	..	..	..	..	..	..
By households and other cons.	*469	*498	391	487	479	466
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	80	81	75	75	75	75
Combustible fuels	..	*1	*1	1	1	1
Hydro	80	80	74	74	74	74
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	80	81	75	75	75	75
Combustible fuels	..	*1	*1	1	1	1
Hydro	80	80	74	74	74	74
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	..	*4	*4	*4	7	*7
Total input	..	*4	*4	*4	7	*7
Total production	..	*1	*2	2	2	*2
Estimated efficiency (% of production to input)	..	35	56	54	35	31

Statistics on electricity

Liberia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*331	*323	*478	*405	*418	*446
Combustible fuels	*310	*302	*351	*277	*290	*318
Hydro	*21	*21	*124	*124	*124	*124
Nuclear	..	..	..	..	..	..
Other	..	..	*3	*4	*4	*4
Main activity	*126	*123	*275	*201	*214	*242
Combustible fuels	*105	*102	*151	*77	*90	*118
Hydro	*21	*21	*124	*124	*124	*124
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*14	*10	*10	*10	*10	*10
Net production	*317	*313	*468	*395	*408	*436
Imports	..	*20	*20	*20	*20	*20
Exports	..	..	..	..	..	..
Losses	*33	*66	*147	*137	*144	*152
Consumption	*284	*267	*341	*278	*284	*304
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*284	*267	*341	*278	*284	*304
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*102	*107	*194	*195	*195	*185
Combustible fuels	*93	*98	*100	*100	*100	*102
Hydro	*9	*9	*92	*92	*92	80
Nuclear	..	..	..	..	..	..
Other	..	0	*2	*3	*3	*3
Main activity	*32	37	*122	*122	*122	112
Combustible fuels	*23	28	*30	*30	*30	32
Hydro	*9	*9	*92	*92	*92	80
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*3225	*3182	*3702	*2915	*3057	*3350
Fuel oil	0	..	..	..	..	..
Total input	*3225	*3182	*3702	*2915	*3057	*3350
Total production	*1116	*1088	*1265	*997	*1045	*1146
Estimated efficiency (% of production to input)	35	34	34	34	34	34

Statistics on electricity

Libya

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	37511	31420	33282	34171	34629	29499
Combustible fuels	37503	31412	33274	34164	34621	29491
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	8	8
Main activity	37511	31420	33282	34171	34629	29499
Combustible fuels	37503	31412	33274	34164	34621	29491
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	8	8
Own use in electricity, CHP and heat plants	731	1004	999	843	802	835
Net production	36780	30416	32283	33328	33827	28664
Imports	..	376	302	465	776	1259
Exports	..	..	..	..	..	..
Losses	7127	6327	6683	6893	6985	5950
Consumption	15282	13988	14133	17605	18001	17442
Energy industries own use	..	..	..	..	..	..
By industry and construction	1892	1213	1225	1169	1323	533
By transport	..	..	..	..	..	..
By households and other cons.	13390	12775	12908	16436	16678	16909
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9460	10249	10243	10516	10516	*10516
Combustible fuels	9455	10244	10238	10511	10511	*10511
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	*5
Main activity	9460	10249	10243	10516	10516	*10516
Combustible fuels	9455	10244	10238	10511	10511	*10511
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	*5
Combustible fuel input	Terajoules					
Gas-diesel oil	134246	52632	79206	85152	87003	56459
Fuel oil	36602	32845	24278	31431	26061	21476
Natural gas	231270	266071	266448	261466	271271	252387
Total input	402118	351548	369932	378048	384334	330322
Total production	135011	113083	119786	122989	124635	106168
Estimated efficiency (% of production to input)	34	32	32	33	32	32

Statistics on electricity

Liechtenstein

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	70	90	93	89	103	104
Combustible fuels	2	2	2	2	2	2
Hydro	49	68	69	62	75	72
Nuclear	..	..	..	..	..	..
Other	19	20	22	25	26	30
Main activity	70	90	93	89	103	104
Combustible fuels	2	2	2	2	2	2
Hydro	49	68	69	62	75	72
Nuclear	..	..	..	..	..	..
Other	19	20	22	25	26	30
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	70	90	93	89	103	104
Imports	325	309	314	321	307	299
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	395	399	407	410	410	402
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	395	399	407	410	410	402
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*22	*23	*24	*26	*27	*29
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	*11	*12	*13	*15	*16	*18
Main activity	*22	*23	*24	*26	*27	*29
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*10
Nuclear	..	..	..	..	..	..
Other	*11	*12	*13	*15	*16	*18
Combustible fuel input	Terajoules					
Biogas	0	*1	*1	0	*1	*1
Natural gas	*25	*26	*25	*20	*21	*20
Municipal waste	0	0	0	0	0	0
Total input	*25	*27	*26	*20	*22	*21
Total production	8	9	8	6	8	7
Estimated efficiency (% of production to input)	32	32	32	32	34	32

Statistics on electricity

Lithuania

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4933	4266	4187	3511	3972	5518
Combustible fuels	2761	1750	1324	1089	1210	2550
Hydro	1024	1044	1181	960	948	1080
Nuclear	..	..	..	..	..	..
Other	1148	1472	1682	1462	1814	1887
Main activity	4002	3378	3361	2864	3151	4702
Combustible fuels	2095	1132	748	674	612	1941
Hydro	1024	1044	1181	960	948	1080
Nuclear	..	..	..	..	..	..
Other	883	1202	1432	1231	1591	1681
Own use in electricity, CHP and heat plants	257	215	191	197	207	256
Net production	4676	4051	3996	3314	3765	5261
Imports	7938	11106	11926	12848	13268	12013
Exports	730	2831	3249	3215	3924	4105
Losses	793	907	914	935	886	952
Consumption	11089	11416	11757	12010	12219	12216
Energy industries own use	1747	1666	1697	1611	1678	1861
By industry and construction	3313	3417	3635	3686	3794	3739
By transport	67	72	74	80	78	73
By households and other cons.	5962	6261	6350	6633	6670	6544
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3587	3665	3326	3354	3378	3491
Combustible fuels	2180	2184	1832	1837	1839	1885
Hydro	877	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	530	604	617	640	662	729
Main activity	3313	3387	3046	3074	3096	3209
Combustible fuels	1931	1931	1577	1582	1582	1628
Hydro	877	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	505	579	592	615	637	704
Combustible fuel input	Terajoules					
Peat	0	0	0	0	0	0
Biogas	669	996	1004	1209	1264	1236
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	2060	1091	634	606	263	634
Liquefied petroleum gas	0	0	0	0	0	0
Refinery gas	198	396	282	366	198	248
Natural gas	21472	14542	11180	9045	8339	15591
Fuelwood	*6365	*5911	*7192	*7887	*7835	*8447
Municipal waste	1312	2480	2443	1678	1503	2612
Industrial waste	290	486	181	584	665	927
Others	0	0	0	0	0	0
Total input	32366	25902	22916	21375	20067	29695
Total production	9940	6300	4766	3921	4357	9181
Estimated efficiency (% of production to input)	31	24	21	18	22	31

Statistics on electricity

Luxembourg

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2766	2196	2235	2200	1908	2234
Combustible fuels	1030	467	470	490	547	627
Hydro	1530	1528	1422	1337	949	1094
Nuclear	..	..	..	..	..	..
Other	206	201	343	373	412	512
Main activity	2492	1911	1957	1918	1623	1926
Combustible fuels	866	290	304	331	398	485
Hydro	1524	1520	1418	1332	944	1090
Nuclear	..	..	..	..	..	..
Other	102	101	235	255	281	351
Own use in electricity, CHP and heat plants	28	28	30	30	31	24
Net production	2738	2168	2205	2170	1877	2210
Imports	7519	7718	7567	7553	6818	6543
Exports	1919	1420	1389	1392	939	1079
Losses	158	158	156	155	156	146
Consumption	8174	8309	8227	8176	7600	7530
Energy industries own use	1951	1943	1834	1717	1203	1410
By industry and construction	3145	3432	3008	3175	3006	2929
By transport	139	138	142	151	157	149
By households and other cons.	2939	2796	3243	3133	3233	3042
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2024	1710	1706	1712	1775	1808
Combustible fuels	514	138	127	128	149	138
Hydro	1330	1330	1331	1330	1330	1331
Nuclear	..	..	..	..	..	..
Other	180	242	248	254	296	339
Main activity	1844	1509	1520	1527	1560	1576
Combustible fuels	452	61	72	76	95	95
Hydro	1328	1328	1329	1329	1329	1329
Nuclear	..	..	..	..	..	..
Other	64	120	120	123	136	153
Combustible fuel input	Terajoules					
Biogas	395	448	447	485	483	456
Gas-diesel oil	0	43	8	4	5	4
Natural gas	7918	3620	3224	2769	2695	2642
Fuelwood	*598	*612	*1122	*1971	*3386	*5667
Municipal waste	1365	1400	1557	1552	1567	1441
Total input	10276	6123	6358	6781	8136	*10209
Total production	3708	1681	1692	1763	1971	2259
Estimated efficiency (% of production to input)	36	27	27	26	24	22

Statistics on electricity

Madagascar

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1787	1904	1983	2099	2178	2167
Combustible fuels	836	998	1177	1107	1259	1317
Hydro	935	887	783	968	886	818
Nuclear	..	..	..	..	..	..
Other	16	20	23	*23	32	32
Main activity	1558	1671	1723	1820	1892	1869
Combustible fuels	607	765	917	829	974	1018
Hydro	935	887	783	968	886	818
Nuclear	..	..	..	..	..	..
Other	16	20	23	*23	32	32
Own use in electricity, CHP and heat plants	*41	*46	38	*29	*43	*38
Net production	1746	1858	1945	2070	2134	2129
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*110	116	128	*130	*135	*132
Consumption	1636	1742	1817	*1940	1999	*1997
Energy industries own use	..	..	..	..	..	..
By industry and construction	*587	*400	*434	*608	*533	*643
By transport	..	..	..	..	..	..
By households and other cons.	1049	1342	1383	*1332	1466	*1354
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*592	587	721	706	592	*649
Combustible fuels	*419	417	542	521	407	*465
Hydro	164	159	166	165	165	164
Nuclear	..	..	..	..	..	..
Other	9	11	13	20	20	*20
Main activity	*520	496	615	598	486	*547
Combustible fuels	*347	326	436	413	301	*363
Hydro	164	159	166	165	165	164
Nuclear	..	..	..	..	..	..
Other	9	11	13	20	20	*20
Combustible fuel input	Terajoules					
Hard Coal	*722	712	963	851	955	*1084
Gas-diesel oil	4795	5151	4188	*4184	*4175	*4150
Fuel oil	*2464	2262	5276	5361	5822	6686
Bagasse	*263	*336	*368	*335	*377	*402
Total input	8244	8462	10796	10732	11328	12321
Total production	3011	3592	4237	3987	4532	4740
Estimated efficiency (% of production to input)	37	42	39	37	40	38

Statistics on electricity

Malawi

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2168	2157	1917	1803	1937	*1882
Combustible fuels	*183	*183	*54	*385	*125	*68
Hydro	1961	1949	1824	1365	1647	*1647
Nuclear	..	..	..	..	..	..
Other	25	25	39	53	165	168
Main activity	1986	1974	1863	1418	1812	*1814
Combustible fuels	*5	*5	*1	*5	*5	*5
Hydro	1956	1944	1823	1360	1642	*1642
Nuclear	..	..	..	..	..	..
Other	25	25	39	53	165	168
Own use in electricity, CHP and heat plants	43	30	108	11	50	56
Net production	2125	2127	1809	1792	1887	*1826
Imports	..	..	..	..	..	..
Exports	22	24	20	19	20	19
Losses	*394	*248	*279	*296	*291	*220
Consumption	1559	1855	1509	1477	1576	1587
Energy industries own use	..	..	..	..	..	..
By industry and construction	691	971	573	678	715	654
By transport	..	..	..	..	..	..
By households and other cons.	868	884	936	799	861	933
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	579	579	586	590	590	609
Combustible fuels	*211	*211	*211	*211	*211	*211
Hydro	356	356	356	356	356	374
Nuclear	..	..	..	..	..	..
Other	12	12	19	23	23	24
Main activity	364	364	371	375	375	394
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	351	351	351	351	351	369
Nuclear	..	..	..	..	..	..
Other	12	12	19	23	23	24
Combustible fuel input	Terajoules					
Gas-diesel oil	*1829	*1904	*22	*4588	*1075	*245
Bagasse	*934	*903	*903	*903	*903	*903
Total input	*2764	*2808	*925	*5492	*1978	*1149
Total production	*658	*658	*194	*1386	*450	*245
Estimated efficiency (% of production to input)	24	23	21	25	23	21

Statistics on electricity

Malaysia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	150123	156665	164509	170578	175778	182658
Combustible fuels	135926	136336	137599	143621	148168	154011
Hydro	13924	20019	26580	26325	26666	26217
Nuclear	..	..	..	..	..	..
Other	273	310	330	632	*943	2430
Main activity	145137	150442	159257	163415	168194	176046
Combustible fuels	130940	130113	132352	136517	140670	147491
Hydro	13924	20019	26575	26325	26666	26217
Nuclear	..	..	..	..	..	..
Other	273	310	330	573	*857	2338
Own use in electricity, CHP and heat plants	4043	1317	4588	696	5974	6296
Net production	146080	155348	159921	169882	169804	176362
Imports	13	33	7	20	19	41
Exports	3	694	1124	1509	669	1699
Losses	12535	10102	12288	14109	12124	12592
Consumption	132199	144024	146520	152866	158703	151940
Energy industries own use	..	..	..	..	..	..
By industry and construction	60641	67664	71417	76088	79436	74048
By transport	266	340	459	482	503	451
By households and other cons.	71292	76020	74644	76296	78764	77442
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	30440	33090	33334	34389	*34153	*35863
Combustible fuels	23519	25732	26848	26432	*26260	*27257
Hydro	5716	6137	6128	6168	6245	6275
Nuclear	..	..	..	..	..	..
Other	1205	1220	358	1790	1648	*2331
Main activity	27368	29789	30892	31714	*31699	*33410
Combustible fuels	21309	23226	24410	24479	*24498	*25497
Hydro	5714	6135	6126	6168	6245	6275
Nuclear	..	..	..	..	..	..
Other	345	427	356	1066	956	*1638
Combustible fuel input	Terajoules					
Hard Coal	654254	710051	794090	857092	894234	909909
Biogas	752	884	1715	6146	4425	4175
Gas-diesel oil	13975	8944	15738	14448	15067	23487
Fuel oil	4121	6302	4040	687	724	726
Natural gas	711320	600958	540161	536208	606454	613984
Vegetal waste	9878	9878	*8196	12581	12624	9945
Total input	1394300	1337018	1363940	1427162	1533528	1562225
Total production	489334	490810	495356	517036	533406	554441
Estimated efficiency (% of production to input)	35	37	36	36	35	35

Statistics on electricity

Maldives

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	619	672	725	772	804	807
Combustible fuels	611	660	709	756	780	783
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	12	16	16	24	*24
Main activity	394	432	465	492	504	507
Combustible fuels	386	420	449	476	480	483
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	12	16	16	24	*24
Own use in electricity, CHP and heat plants	*19	*21	*21	*21	*24	*27
Net production	600	651	704	751	780	780
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*18	*20	*20	*21	*22	*25
Consumption	*582	*631	*684	*730	*758	*755
Energy industries own use	..	..	..	..	..	..
By industry and construction	*33	*35	*37	*39	*40	*40
By transport	..	..	..	..	..	..
By households and other cons.	*549	*596	*647	*691	*718	*715
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	271	274	*278	*382	522	*528
Combustible fuels	266	266	*266	*365	500	*500
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	8	12	17	22	28
Main activity	146	149	*153	*257	312	*318
Combustible fuels	141	141	*141	*240	290	*290
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	8	12	17	22	28
Combustible fuel input	Terajoules					
Gas-diesel oil	*7310	*7433	*8109	*8790	*9460	*9030
Total input	*7310	*7433	*8109	*8790	*9460	*9030
Total production	2201	2376	2552	2722	2809	2820
Estimated efficiency (% of production to input)	30	32	31	31	30	31

Statistics on electricity

Mali

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2396	2640	*3096	*3290	*3535	*3728
Combustible fuels	1356	1509	*1935	*1992	*2137	*2191
Hydro	1012	1102	1130	*1267	1365	1444
Nuclear	..	..	..	..	..	..
Other	28	29	31	31	33	93
Main activity	1712	1905	2082	*2220	2411	2595
Combustible fuels	698	801	949	*950	1044	1090
Hydro	1012	1102	1130	*1267	1365	1444
Nuclear	..	..	..	..	..	..
Other	2	2	3	*3	2	61
Own use in electricity, CHP and heat plants	*10	*11	*12	*13	*13	25
Net production	2386	2629	*3084	*3277	*3522	*3703
Imports	317	113	*117	*198	*180	*172
Exports	*486	*529	*535	*550	*556	*569
Losses	*288	*311	*318	*356	*395	*407
Consumption	*1929	*1902	*2348	*2568	*2751	*2899
Energy industries own use	..	..	..	..	..	..
By industry and construction	*823	*715	*920	*1010	*1103	*1160
By transport	..	..	..	..	..	..
By households and other cons.	*1106	*1187	*1428	*1558	*1649	*1739
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*871	*958	*1029	*1029	*1030	*1113
Combustible fuels	*404	*490	*560	*560	*560	*560
Hydro	*450	*450	*450	*450	*450	*453
Nuclear	..	..	..	..	..	..
Other	17	18	19	19	20	100
Main activity	*741	*741	*752	*752	*751	*783
Combustible fuels	*290	*290	*300	*300	*300	*300
Hydro	*450	*450	*450	*450	*450	*453
Nuclear	..	..	..	..	..	..
Other	*1	*1	*2	*2	*1	*30
Combustible fuel input	Terajoules					
Gas-diesel oil	*16873	*15471	*14070	*12668	11262	12646
Fuel oil	*4618	*7005	*8553	*9474	11554	9381
Bagasse	*1457	1457	*1457	*1457	*1457	*1457
Total input	*22948	*23934	*24079	*23599	24273	23484
Total production	4882	5432	*6965	*7171	*7692	*7888
Estimated efficiency (% of production to input)	21	23	29	30	32	34

Statistics on electricity

Malta

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1305	857	1652	1962	2060	2143
Combustible fuels	1210	729	1489	1772	1864	1906
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	95	128	162	190	195	237
Main activity	1203	721	1480	1763	1858	1900
Combustible fuels	1203	721	1480	1763	1858	1900
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	64	51	49	50	59	62
Net production	1241	806	1603	1912	2001	2081
Imports	1054	1527	897	631	657	420
Exports	..	..	36	11	20	4
Losses	179	216	144	143	158	128
Consumption	2114	2117	2320	2390	2479	2368
Energy industries own use	..	..	3	16	15	14
By industry and construction	415	411	459	470	477	462
By transport	..	..	0	1	2	2
By households and other cons.	1699	1706	1858	1903	1986	1890
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	668	573	706	727	750	783
Combustible fuels	593	480	595	595	595	595
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	75	94	112	132	155	188
Main activity	590	475	590	590	590	590
Combustible fuels	590	475	590	590	590	590
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Biogas	46	42	46	43	31	28
Gas-diesel oil	860	129	252	224	410	997
Fuel oil	10262	7151	1913	0	..	..
Natural gas	..	..	10776	13602	14216	14799
Total input	11168	7322	12987	13869	14657	15824
Total production	4356	2624	5362	6381	6712	6862
Estimated efficiency (% of production to input)	39	36	41	46	46	43

Statistics on electricity

Marshall Islands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*81	*82	*87	*85	82	*82
Combustible fuels	*80	*80	*85	*83	80	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	2
Main activity	*81	*82	*87	*85	82	*82
Combustible fuels	*80	*80	*85	*83	80	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*81	*82	*87	*85	82	*82
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*23	*23	*22	*22	*22	*21
Consumption	*58	*59	*66	*64	*61	*61
Energy industries own use	..	..	..	..	..	..
By industry and construction	*3	*4	*4	*4	*4	*4
By transport	..	..	..	..	..	..
By households and other cons.	*55	*56	*62	*60	*57	*58
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	37	*37	*35	*35	32	*32
Combustible fuels	36	*35	*33	*33	30	*30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	2
Main activity	37	*37	*35	*35	32	*32
Combustible fuels	36	*35	*33	*33	30	*30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	2
Combustible fuel input	Terajoules					
Gas-diesel oil	*817	*817	*834	*817	*817	*826
Total input	*817	*817	*834	*817	*817	*826
Total production	*288	*288	*306	*299	288	*288
Estimated efficiency (% of production to input)	35	35	37	37	35	35

Statistics on electricity

Mauritania

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	975	1042	1183	1271	1347	*1434
Combustible fuels	841	875	1022	1023	1099	*1163
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	134	168	161	248	*248	271
Main activity	662	683	841	925	997	*1062
Combustible fuels	528	515	680	677	749	*791
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	134	168	161	248	*248	271
Own use in electricity, CHP and heat plants	35	63	95	95	73	*128
Net production	940	979	1088	1176	1275	*1306
Imports	183	221	*185	198	204	*196
Exports	..	57	..	..	..	..
Losses	*190	*192	*210	*230	*217	*224
Consumption	932	941	982	1023	1099	1190
Energy industries own use	..	..	..	..	..	..
By industry and construction	360	357	343	342	372	380
By transport	..	..	..	..	..	..
By households and other cons.	572	584	639	681	728	810
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	444	*461	*506	*570	*608	*626
Combustible fuels	392	*392	*421	*449	*486	*504
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	52	69	85	121	122	122
Main activity	364	*381	*426	*485	*518	*531
Combustible fuels	312	*312	*341	*364	*396	*409
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	52	69	85	121	122	122
Combustible fuel input	Terajoules					
Gas-diesel oil	*5616	*5031	*7310	*7740	*7955	*8471
Fuel oil	2630	*2674	*2771	*2020	*2424	*2788
Total input	*8246	*7705	*10081	*9760	*10379	*11259
Total production	3028	3148	3678	3683	3956	*4187
Estimated efficiency (% of production to input)	37	41	36	38	38	37

Statistics on electricity

Mauritius

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2996	3042	3120	3131	3237	2882
Combustible fuels	2845	2895	2976	2943	2994	2603
Hydro	122	100	90	125	99	116
Nuclear	..	..	..	..	..	..
Other	29	48	54	64	144	164
Main activity	1258	1234	1293	1373	1482	1200
Combustible fuels	1133	1131	1201	1246	1381	1082
Hydro	122	100	90	125	99	116
Nuclear	..	..	..	..	..	..
Other	3	4	3	3	3	3
Own use in electricity, CHP and heat plants	44	45	44	44	45	46
Net production	2952	2998	3076	3088	3192	2836
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	178	172	187	165	182	143
Consumption	2770	3079	3146	3185	3248	2918
Energy industries own use	264	260	266	268	247	235
By industry and construction	696	970	994	1002	991	863
By transport	..	..	..	..	..	..
By households and other cons.	1809	1848	1886	1916	2010	1820
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	792	811	835	873	844	862
Combustible fuels	711	709	732	732	681	681
Hydro	61	61	60	60	60	61
Nuclear	..	..	..	..	..	..
Other	20	41	43	81	103	120
Main activity	489	493	516	516	516	516
Combustible fuels	427	427	450	450	450	450
Hydro	61	61	60	60	60	61
Nuclear	..	..	..	..	..	..
Other	1	5	5	5	5	5
Combustible fuel input	Terajoules					
Hard Coal	17647	18091	18871	17916	16464	16139
Biogas	73	67	61	81	71	89
Gas-diesel oil	43	45	55	34	28	35
Fuel oil	9292	8696	9672	9991	11034	8574
Other kerosene	44	34	41	28	162	11
Bagasse	9575	8722	8324	7791	7736	6514
Total input	36675	35654	37025	35842	35495	31362
Total production	10242	10420	10714	10593	10779	9370
Estimated efficiency (% of production to input)	28	29	29	30	30	30

Statistics on electricity

Mexico

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	310712	320565	322062	357593	344176	314549
Combustible fuels	253005	262310	261725	279725	266753	245464
Hydro	30815	30698	31981	32526	23716	26817
Nuclear	11577	10567	10883	13675	11190	8131
Other	15315	16990	17472	31667	42517	34137
Main activity	262721	266201	259077	292942	284294	247812
Combustible fuels	212385	217231	209160	226758	220287	191853
Hydro	30051	29805	31040	31621	22927	26009
Nuclear	11577	10567	10883	13675	11190	8131
Other	8708	8598	7995	20888	29890	21819
Own use in electricity, CHP and heat plants	12935	17689	13129	16715	5371	4669
Net production	297777	302876	308933	340878	338805	309880
Imports	1650	2232	2151	3673	3907	9965
Exports	2320	1968	1804	2426	3084	5955
Losses	40640	40002	43915	42075	40018	36985
Consumption	261850	274210	275859	277778	284167	262633
Energy industries own use	4400	3843	3938	4185	4092	3781
By industry and construction	139990	145945	147465	146474	153433	141807
By transport	1134	1140	1077	1072	1106	1022
By households and other cons.	116326	123282	123379	126047	125537	116023
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	67504	72574	74431	89351	93111	95045
Combustible fuels	49421	53047	54388	62010	63521	63521
Hydro	12223	12580	12628	12643	13301	13301
Nuclear	1510	1608	1608	1634	1721	1721
Other	4350	5339	5807	13064	14568	16502
Main activity	54856	55904	57536	76423	81298	83145
Combustible fuels	39735	40280	41616	53963	56823	56823
Hydro	12028	12348	12395	12418	13076	13076
Nuclear	1510	1608	1608	1634	1721	1721
Other	1583	1668	1917	8408	9678	11525
Combustible fuel input	Terajoules					
Hard Coal	146312	169061	205979	183718	201282	137603
Brown Coal	206785	198168	133446	120895	99833	51313
Biogas	1961	1912	2265	2082	2195	2888
Gas-diesel oil	21586	27606	31820	40936	34701	34701
Fuel oil	254762	282194	306838	256823	365984	365984
Petroleum coke	39163	29803	38350	37863	39520	37830
Natural gas	1609427	1684576	1782417	1698244	1500693	1438994
Blast furnace gas	5592	4677	3470	2452	2060	2450
Fuelwood	*324	*329	*416	*10499	*6547	*6500
Bagasse	*68416	*70268	*76659	*76630	*73843	*69390
Others	5860	4612	3351	1407	1735	1597
Total input	2360188	2473205	2585012	2431548	2328392	2149250
Total production	910818	944316	942211	1007009	960311	883670
Estimated efficiency (% of production to input)	39	38	36	41	41	41

Statistics on electricity

Micronesia (Fed. States of)

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	68	*69	*69	*70	*70	*70
Combustible fuels	66	*66	*65	*65	*65	*65
Hydro	1	1	1	1	1	*1
Nuclear	..	..	..	..	..	..
Other	1	2	2	4	4	*4
Main activity	68	*69	*69	*70	*70	*70
Combustible fuels	66	*66	*65	*65	*65	*65
Hydro	1	1	1	1	1	*1
Nuclear	..	..	..	..	..	..
Other	1	2	2	4	4	*4
Own use in electricity, CHP and heat plants	1	2	*2	*2	*3	*3
Net production	67	*67	*67	*68	*68	*67
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*19	*19	*20	*21	*21	*20
Consumption	48	*48	*47	*47	*47	*47
Energy industries own use	..	..	..	..	..	..
By industry and construction	*16	*17	*17	*16	*16	*16
By transport	..	..	..	..	..	..
By households and other cons.	31	*31	*31	*31	*31	*31
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*33	*34	*34	*35	*35	*35
Combustible fuels	*32	*32	*32	*32	*32	*32
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	1	1	1	3	3	*3
Main activity	*33	*34	*34	*35	*35	*35
Combustible fuels	*32	*32	*32	*32	*32	*32
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	1	1	1	3	3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	834	*834	*830	*830	*826	*830
Total input	834	*834	*830	*830	*826	*830
Total production	236	*236	*235	*233	*233	*232
Estimated efficiency (% of production to input)	28	28	28	28	28	28

Statistics on electricity

Mongolia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5513	5667	6027	6535	6900	6970
Combustible fuels	5290	5413	5759	6055	6416	6486
Hydro	61	87	86	81	*85	85
Nuclear	..	..	..	..	..	..
Other	162	167	182	399	*399	399
Main activity	5452	5580	5941	6454	6815	6885
Combustible fuels	5290	5413	5759	6055	6416	6486
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	162	167	182	399	*399	399
Own use in electricity, CHP and heat plants	778	749	816	849	861	834
Net production	4735	4918	5211	5686	6040	6136
Imports	1417	1446	1574	1666	1723	1685
Exports	51	36	26	27	24	42
Losses	783	817	811	875	892	963
Consumption	5284	5446	5949	6450	6847	6817
Energy industries own use	..	..	..	..	..	..
By industry and construction	3261	3356	3692	4003	4249	4231
By transport	217	223	248	268	285	284
By households and other cons.	1806	1867	2009	2178	2313	2302
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1175	*1199	1311	*1461	*1486	*1507
Combustible fuels	*1092	*1103	1132	*1210	*1210	*1230
Hydro	26	29	29	31	31	31
Nuclear	..	..	..	..	..	..
Other	57	67	150	220	245	246
Main activity	*1139	*1160	1272	*1420	*1445	*1466
Combustible fuels	*1082	*1093	1122	*1200	*1200	*1220
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	57	67	150	220	245	246
Combustible fuel input	Terajoules					
Hard Coal	40417	42227	51712	63440	45811	33124
Brown Coal	75744	75391	78587	79093	87952	90042
Gas-diesel oil	3182	2662	3913	4124	*4356	*4644
Fuel oil	129	105	89	121	121	*113
Total input	119472	120385	134301	146777	138240	127923
Total production	19045	19487	20733	21799	23099	23349
Estimated efficiency (% of production to input)	16	16	15	15	17	18

Statistics on electricity

Montenegro

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3003	3141	2483	3679	3423	3386
Combustible fuels	1512	1298	1348	1444	1506	1615
Hydro	1491	1843	1040	2092	1621	1448
Nuclear	..	..	..	..	..	..
Other	..	..	95	143	296	322
Main activity	3003	3141	2483	3679	3423	3386
Combustible fuels	1512	1298	1348	1444	1506	1615
Hydro	1491	1843	1040	2092	1621	1448
Nuclear	..	..	..	..	..	..
Other	..	..	95	143	296	322
Own use in electricity, CHP and heat plants	131	118	119	134	129	141
Net production	2872	3023	2364	3546	3294	3245
Imports	1040	1210	1537	780	1196	5943
Exports	517	906	417	976	943	5864
Losses	586	541	512	503	493	487
Consumption	2679	2671	2855	2847	3054	2837
Energy industries own use	..	..	..	..	..	..
By industry and construction	767	660	732	737	699	700
By transport	20	21	20	19	21	12
By households and other cons.	1892	1990	2103	2090	2335	2124
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	870	870	949	999	1001	1047
Combustible fuels	219	219	225	225	225	225
Hydro	651	651	652	652	652	697
Nuclear	..	..	..	..	..	..
Other	..	..	72	121	123	125
Main activity	870	870	949	999	1001	1047
Combustible fuels	219	219	225	225	225	225
Hydro	651	651	652	652	652	697
Nuclear	..	..	..	..	..	..
Other	..	..	72	121	123	125
Combustible fuel input	Terajoules					
Brown Coal	15362	12028	12341	14816	15109	15766
Total input	15362	12028	12341	14816	15109	15766
Total production	5443	4673	4853	5198	5423	5815
Estimated efficiency (% of production to input)	35	39	39	35	36	37

Statistics on electricity

Montserrat

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13	14	13	14	14	14
Combustible fuels	13	14	13	14	14	14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Main activity	13	14	13	14	14	14
Combustible fuels	13	14	13	14	14	14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	13	13	13	14	14	14
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	1	0	1	0	0
Consumption	11	11	11	11	12	12
Energy industries own use	..	..	..	..	..	..
By industry and construction	0	0	0	0	0	0
By transport	..	..	..	..	..	..
By households and other cons.	11	11	11	11	12	12
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5	5	5	5	6	6
Combustible fuels	5	5	5	5	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Main activity	5	5	5	5	6	6
Combustible fuels	5	5	5	5	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*184	*194	*172	*186	*168	*172
Total input	*184	*194	*172	*186	*168	*172
Total production	46	49	48	51	50	49
Estimated efficiency (% of production to input)	25	25	28	27	30	28

Statistics on electricity

Morocco

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	31217	32141	33192	35822	41650	40057
Combustible fuels	25108	25776	26875	27708	32390	31353
Hydro	2282	1662	1565	1998	1654	1290
Nuclear	..	..	..	..	..	..
Other	3827	4703	4752	6116	7607	7414
Main activity	29855	30747	31804	34432	40083	38396
Combustible fuels	25048	25776	26875	27708	32214	31070
Hydro	2282	1662	1565	1998	1654	1290
Nuclear	..	..	..	..	..	..
Other	2525	3309	3364	4726	6216	6036
Own use in electricity, CHP and heat plants	52	50	60	42	41	38
Net production	31165	32091	33132	35779	41610	40019
Imports	5138	5289	6058	3724	526	856
Exports	165	135	161	350	1453	624
Losses	5515	5654	6066	6134	6703	6771
Consumption	30624	31592	32962	33020	33979	33480
Energy industries own use	685	529	510	406	527	577
By industry and construction	10864	11190	11825	12065	12431	11680
By transport	345	352	368	375	386	214
By households and other cons.	18730	19521	20259	20175	20634	21010
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	11860	11996	12555	12785	14412	14432
Combustible fuels	8727	8732	9128	9151	10276	10046
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	1363	1494	1657	1864	2366	2616
Main activity	8160	8268	8827	9057	10684	10704
Combustible fuels	5427	5432	5828	5851	6976	6746
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	963	1066	1229	1436	1938	2188
Combustible fuel input	Terajoules					
Hard Coal	*188077	178592	185656	214785	278225	279407
Gas-diesel oil	430	516	416	255	186	159
Fuel oil	*23917	31148	34721	12420	8315	6733
Natural gas	43985	45068	44651	39792	37016	27994
Total input	*256409	255324	265445	267252	323742	314292
Total production	90389	92794	96749	99749	116602	112870
Estimated efficiency (% of production to input)	35	36	36	37	36	36

Statistics on electricity

Mozambique

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	19641	18697	17452	16988	18824	18886
Combustible fuels	2547	3103	3393	3088	3864	3113
Hydro	17093	15592	14058	13899	14930	15703
Nuclear	..	..	..	..	..	..
Other	1	2	2	1	31	70
Main activity	19471	18620	17394	16927	18759	18816
Combustible fuels	2493	3045	3335	3027	3799	3043
Hydro	16978	15575	14058	13899	14930	15703
Nuclear	..	..	..	..	..	..
Other	..	..	2	1	31	70
Own use in electricity, CHP and heat plants	238	58	58	83	90	124
Net production	19403	18639	17394	16906	18734	18762
Imports	10547	9928	8289	8327	8276	8276
Exports	12876	14269	10010	9738	10771	12290
Losses	5080	2480	2603	2663	2768	2768
Consumption	12180	11383	12346	12437	12952	12433
Energy industries own use	..	..	103	93	116	94
By industry and construction	9800	9100	10307	10416	10557	10376
By transport	..	..	..	..	..	..
By households and other cons.	2380	2283	1936	1928	2279	1964
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2507	2492	2618	2683	2753	2753
Combustible fuels	399	399	*399	*424	*454	*454
Hydro	2097	2078	2204	2204	2204	2204
Nuclear	..	..	..	..	..	..
Other	11	14	15	55	95	95
Main activity	2470	2473	2604	2669	2739	2739
Combustible fuels	385	385	*385	*410	*440	*440
Hydro	2075	2075	2204	2204	2204	2204
Nuclear	..	..	..	..	..	..
Other	10	13	15	55	95	95
Combustible fuel input	Terajoules					
Gas-diesel oil	215	215	52	47	44	52
Fuel oil	..	3717	5671	2267	1250	1170
Natural gas	23573	24356	25469	25710	29940	27556
Bagasse	..	..	3201	3130	2944	2412
Total input	23788	28288	34392	31154	34178	31190
Total production	9168	11172	12214	11115	13910	11206
Estimated efficiency (% of production to input)	39	39	36	36	41	36

Statistics on electricity

Myanmar

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17212	20248	20055	22883	23778	23643
Combustible fuels	6573	8123	8864	11641	14328	15194
Hydro	10639	12125	11191	11228	9369	8370
Nuclear	..	..	..	..	..	..
Other	..	..	..	14	81	79
Main activity	15193	17218	13557	10487	9363	7222
Combustible fuels	5129	5734	3116	2862	3399	1951
Hydro	10064	11484	10441	7625	5964	5271
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1242	2381	136	184	205	174
Net production	15970	17867	19919	22699	23573	23469
Imports	..	..	116	152	122	129
Exports	..	..	1393	1527	1281	1637
Losses	2414	2385	2803	3405	3734	4273
Consumption	13397	15355	15839	17919	18681	19196
Energy industries own use	..	..	..	..	..	..
By industry and construction	2145	2120	2773	4581	5553	4718
By transport	..	..	..	..	..	..
By households and other cons.	11252	13235	13066	13338	13128	14477
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	5259	5390	5642	5838	7129	6830
Combustible fuels	2076	2135	2387	2536	3827	3527
Hydro	3183	3255	3255	3262	3262	3262
Nuclear	..	..	..	..	..	..
Other	..	..	..	40	40	41
Main activity	4631	4590	4288	3144	3410	3234
Combustible fuels	1620	1507	1205	993	1259	1083
Hydro	3011	3083	3083	2151	2151	2151
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	465	*1047	*6373	21934	32145	*21097
Gas-diesel oil	4322	6807	4597	860	1247	1591
Natural gas	89943	123472	126111	126322	171094	*226908
Total input	94730	131326	137081	149116	204486	*249596
Total production	23663	29243	31912	41908	51581	54697
Estimated efficiency (% of production to input)	25	22	23	28	25	22

Statistics on electricity

Namibia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1576	1479	1773	1416	1372	1957
Combustible fuels	34	62	66	21	52	65
Hydro	1502	1359	1593	1144	954	1505
Nuclear	..	..	..	..	..	..
Other	40	58	113	251	366	387
Main activity	1576	1479	1773	1416	1372	1957
Combustible fuels	34	62	66	21	52	65
Hydro	1502	1359	1593	1144	954	1505
Nuclear	..	..	..	..	..	..
Other	40	58	113	251	366	387
Own use in electricity, CHP and heat plants	1	1	0	0	0	0
Net production	1575	1478	1773	1416	1372	1957
Imports	2678	3085	2911	3337	3161	2785
Exports	88	99	100	114	119	593
Losses	340	504	451	342	274	308
Consumption	3782	3909	4057	4171	4040	3759
Energy industries own use	..	..	..	..	..	..
By industry and construction	613	585	603	586	537	397
By transport	..	..	..	..	..	..
By households and other cons.	3169	3324	3454	3585	3503	3362
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	513	529	565	582	600	610
Combustible fuels	155	143	143	143	113	113
Hydro	337	350	347	347	347	347
Nuclear	..	..	..	..	..	..
Other	21	36	75	93	140	150
Main activity	513	529	565	582	600	610
Combustible fuels	155	143	143	143	113	113
Hydro	337	350	347	347	347	347
Nuclear	..	..	..	..	..	..
Other	21	36	75	93	140	150
Combustible fuel input	Terajoules					
Hard Coal	91	772	953	295	634	806
Gas-diesel oil	387	129	0	..	104	123
Total input	478	901	953	295	737	929
Total production	122	223	239	76	186	234
Estimated efficiency (% of production to input)	26	25	25	26	25	25

Statistics on electricity

Nauru

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	31	32	35	36	36	38
Combustible fuels	31	31	34	35	35	36
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	2
Main activity	31	32	35	36	36	38
Combustible fuels	31	31	34	35	35	36
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	2
Own use in electricity, CHP and heat plants	0	0	0	0	2	2
Net production	31	31	34	36	34	36
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	12	10	9	8	4	7
Consumption	19	21	26	28	32	32
Energy industries own use	..	..	..	..	..	..
By industry and construction	1	1	1	1	2	1
By transport	..	..	..	..	..	..
By households and other cons.	18	20	25	27	30	31
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*6	*7	*8	*14	*14	18
Combustible fuels	*6	*6	*7	*13	*13	16
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	1	2
Main activity	*6	*7	*8	*14	*14	18
Combustible fuels	*6	*6	*7	*13	*13	16
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	1	2
Combustible fuel input	Terajoules					
Gas-diesel oil	334	343	360	344	343	*344
Total input	334	343	360	344	343	*344
Total production	112	113	121	126	126	129
Estimated efficiency (% of production to input)	34	33	34	37	37	37

Statistics on electricity

Nepal

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3460	4244	4639	4902	6181	6223
Combustible fuels	..	..	0	0	0	0
Hydro	3453	4237	4632	4895	6173	6215
Nuclear	..	..	..	..	..	..
Other	7	7	7	6	7	8
Main activity	3306	4089	4483	4745	6019	6059
Combustible fuels	..	..	0	0	0	0
Hydro	3299	4082	4476	4738	6012	6052
Nuclear	..	..	..	..	..	..
Other	7	7	7	6	7	8
Own use in electricity, CHP and heat plants	49	48	55	56	30	34
Net production	3411	4196	4584	4846	6151	6189
Imports	1778	2175	2582	2813	1729	2826
Exports	3	3	3	35	107	44
Losses	1309	1433	1443	1114	1183	1526
Consumption	3867	4926	5710	6500	6579	7434
Energy industries own use	..	..	..	..	..	..
By industry and construction	1206	1719	2010	2438	2286	2816
By transport	6	6	5	5	3	2
By households and other cons.	2655	3201	3695	4057	4290	4616
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	798	979	*1142	1190	1198	1400
Combustible fuels	53	53	53	53	53	53
Hydro	738	919	*1081	1129	1129	1278
Nuclear	..	..	..	..	..	..
Other	*7	*7	*7	*7	*15	69
Main activity	701	879	*1041	1065	1074	1199
Combustible fuels	53	53	53	53	53	53
Hydro	641	819	*981	1005	1005	1110
Nuclear	..	..	..	..	..	..
Other	*7	*7	*7	*7	*15	36
Combustible fuel input	Terajoules					
Fuel oil	0	0	1	1	1	0
Total input	0	0	1	1	1	0
Total production	..	..	0	0	0	0
Estimated efficiency (% of production to input)	..	..	40	40	38	37

Statistics on electricity

Netherlands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	110211	115157	117195	114258	121352	123554
Combustible fuels	95955	99997	99411	95815	99915	94804
Hydro	93	100	61	72	74	46
Nuclear	4078	3960	3402	3515	3910	4087
Other	10085	11100	14321	14856	17453	24617
Main activity	87279	92099	91977	87411	92352	88997
Combustible fuels	75543	79596	77467	73576	77022	69066
Hydro	93	100	61	72	74	46
Nuclear	4078	3960	3402	3515	3910	4087
Other	7565	8443	11046	10248	11346	15797
Own use in electricity, CHP and heat plants	4480	4179	3792	3415	3495	3396
Net production	105731	110978	113403	110842	117856	120158
Imports	30760	24258	22458	26755	20403	19773
Exports	22012	19343	18952	18785	19548	22433
Losses	5264	5434	5414	5334	5059	4744
Consumption	109655	111011	112060	114771	114892	113994
Energy industries own use	5810	5933	5718	5826	5724	4930
By industry and construction	34061	35396	35555	36025	35413	35445
By transport	1823	1836	1845	2002	2158	2166
By households and other cons.	67961	67846	68942	70918	71598	71453
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	33878	34262	33923	35110	37135	42233
Combustible fuels	28356	27266	26106	25505	24821	24066
Hydro	37	37	37	37	37	37
Nuclear	485	485	485	485	485	485
Other	5000	6474	7295	9083	11792	17645
Main activity	26805	26719	25657	24965	24782	26825
Combustible fuels	23355	22346	21186	20061	19416	18211
Hydro	37	37	37	37	37	37
Nuclear	485	485	485	485	485	485
Other	2928	3851	3949	4383	4844	8092
Combustible fuel input	Terajoules					
Hard Coal	336307	306318	267976	231463	155720	69325
Biogas	6656	6247	5804	5415	5386	5002
Gas-diesel oil	817	559	488	482	774	364
Refinery gas	13613	13613	11631	15019	17385	14449
Natural gas	371042	415454	446583	434494	512624	516074
Coke-oven gas	1976	1554	2103	2033	2096	1709
Blast furnace gas	24657	22972	23886	22844	21758	21153
Fuelwood	*19448	*16302	*15390	11560	24667	*50360
Vegetal waste	*1245	*5245	*6229	*9622	*9440	*10091
Municipal waste	70793	75189	73443	70913	69139	68539
Total input	846554	863453	853534	803846	818989	757068
Total production	345438	359989	357880	344935	359694	341293
Estimated efficiency (% of production to input)	41	42	42	43	44	45

Statistics on electricity

New Caledonia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2903	3130	3228	3486	3334	3233
Combustible fuels	2494	2842	2794	3077	2876	2729
Hydro	340	232	361	317	285	305
Nuclear	..	..	..	..	..	..
Other	68	57	73	92	173	199
Main activity	2903	3130	3228	3486	3334	3233
Combustible fuels	2494	2842	2794	3077	2876	2729
Hydro	340	232	361	317	285	305
Nuclear	..	..	..	..	..	..
Other	68	57	73	92	173	199
Own use in electricity, CHP and heat plants	0	0	1	0	0	0
Net production	2903	3130	3228	3486	3334	3233
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	61	90	68	65	61	67
Consumption	2842	3040	3161	3420	3273	3166
Energy industries own use	..	..	..	..	..	..
By industry and construction	2193	2354	2488	2744	2604	2506
By transport	..	..	..	..	..	..
By households and other cons.	650	686	672	676	670	660
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	998	1001	*1020	*1044	*1072	*1093
Combustible fuels	875	875	*875	*875	*875	*875
Hydro	78	78	78	78	78	81
Nuclear	..	..	..	..	..	..
Other	44	48	67	91	119	*137
Main activity	937	940	*957	*976	*997	*1013
Combustible fuels	815	815	*815	*815	*815	*815
Hydro	78	78	78	78	78	81
Nuclear	..	..	..	..	..	..
Other	44	46	64	83	104	*117
Combustible fuel input	Terajoules					
Hard Coal	12389	17157	19141	19299	21379	19303
Gas-diesel oil	3500	2700	2223	3684	1800	1633
Fuel oil	15792	16677	14512	15659	14361	13021
Other kerosene	237	311	210	403	42	9
Bitumen	133	133	113	121	129	117
Other liquid biofuels	*5	*7	*5	*5	*5	*5
Total input	32056	36986	36204	39171	37716	34088
Total production	8979	10230	10059	11077	10354	9824
Estimated efficiency (% of production to input)	28	28	28	28	27	29

Statistics on electricity

New Zealand

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	44691	44164	44641	44695	45147	44543
Combustible fuels	9496	7576	9004	8029	8858	9467
Hydro	24528	25933	25173	26252	25596	24266
Nuclear	..	..	..	..	..	..
Other	10667	10655	10463	10414	10693	10811
Main activity	43135	42651	43083	43183	43511	42981
Combustible fuels	8104	6250	7648	6731	7462	8170
Hydro	24524	25929	25169	26248	25592	24262
Nuclear	..	..	..	..	..	..
Other	10507	10472	10266	10204	10457	10549
Own use in electricity, CHP and heat plants	1551	1461	1532	1441	1557	1361
Net production	43140	42703	43109	43254	43590	43182
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2897	2955	2944	2942	3001	2956
Consumption	40747	40232	39933	39968	40319	39441
Energy industries own use	700	731	751	695	724	663
By industry and construction	13910	13816	13865	13927	14105	13373
By transport	84	91	91	94	110	100
By households and other cons.	26053	25594	25226	25252	25381	25305
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9797	9635	9656	9704	9737	9902
Combustible fuels	2409	2236	2239	2242	2242	2346
Hydro	5426	5426	5426	5426	5434	5434
Nuclear	..	..	..	..	..	..
Other	1962	1973	1991	2036	2061	2122
Main activity	9481	9304	9303	9330	9338	9482
Combustible fuels	2158	1985	1984	1987	1987	2097
Hydro	5423	5423	5423	5423	5431	5431
Nuclear	..	..	..	..	..	..
Other	1900	1896	1896	1920	1920	1954
Combustible fuel input	Terajoules					
Brown Coal	11331	4620	5591	9124	16623	18179
Biogas	2827	3057	3053	3021	3076	3151
Gas-diesel oil	0	43	59	118	39	1345
Natural gas	56477	49137	59596	49204	49591	53811
Coke-oven gas	2119	1854	1966	1941	2626	2454
Blast furnace gas	5617	5377	5665	5314	5492	4888
Fuelwood	0	0	0	0	0	0
Vegetal waste	5104	4870	4368	4536	3927	3944
Black liquor	13714	13663	13529	13395	13394	13310
Total input	97189	82621	93827	86653	94768	101082
Total production	34186	27274	32415	28903	31890	34081
Estimated efficiency (% of production to input)	35	33	35	33	34	34

Statistics on electricity

Nicaragua

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4580	4591	4525	4636	4576	3791
Combustible fuels	2740	2728	2657	2599	2815	1873
Hydro	295	426	468	411	227	574
Nuclear	..	..	..	..	..	..
Other	1545	1437	1400	1626	1534	1343
Main activity	4071	4002	3814	3901	3686	3013
Combustible fuels	2232	2140	1946	1864	1927	1098
Hydro	294	425	468	411	227	574
Nuclear	..	..	..	..	..	..
Other	1545	1437	1400	1626	1533	1340
Own use in electricity, CHP and heat plants	364	193	407	403	479	418
Net production	4216	4398	4118	4233	4096	3373
Imports	34	205	327	201	434	1071
Exports	22	18	1	0	0	0
Losses	837	964	996	978	1089	1046
Consumption	3396	3665	3451	3594	3769	3653
Energy industries own use	..	..	..	..	..	..
By industry and construction	1128	1174	1147	1069	1092	1042
By transport	..	..	..	..	..	..
By households and other cons.	2268	2491	2304	2525	2677	2611
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1346	1396	1482	1482	1620	1620
Combustible fuels	866	912	985	985	1107	1107
Hydro	138	142	142	142	157	157
Nuclear	..	..	..	..	..	..
Other	342	342	355	355	356	356
Main activity	1211	1219	1305	1305	1401	1401
Combustible fuels	733	735	809	809	888	888
Hydro	137	142	142	142	157	157
Nuclear	..	..	..	..	..	..
Other	342	342	355	355	356	356
Combustible fuel input	Terajoules					
Biogas	..	..	..	..	75	71
Gas-diesel oil	645	602	602	516	509	328
Fuel oil	20119	19473	17210	16483	17392	10454
Bagasse	*13301	*14126	*16153	*15717	*16287	*14177
Vegetal waste	0	0	0	*348	*272	*306
Total input	34065	34201	33965	33064	34535	*25336
Total production	9864	9821	9565	9356	10133	6745
Estimated efficiency (% of production to input)	29	29	28	28	29	27

Statistics on electricity

Niger

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	522	442	566	480	626	656
Combustible fuels	511	428	552	447	593	610
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	11	13	15	33	33	*46
Main activity	496	415	541	437	535	548
Combustible fuels	496	415	541	437	535	548
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	44	68	72	38	*112	*74
Net production	478	374	494	442	514	582
Imports	782	779	845	1253	1057	1105
Exports	0	0	0	0	..	..
Losses	215	*208	*218	*238	313	*330
Consumption	916	*968	*1014	*1379	1239	1350
Energy industries own use	..	..	..	..	..	..
By industry and construction	218	*272	*285	*387	219	257
By transport	..	..	..	..	..	..
By households and other cons.	699	*696	*729	*992	1020	1093
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	277	288	290	311	*324	*324
Combustible fuels	270	280	281	291	*297	*297
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	8	9	20	27	27
Main activity	216	226	228	238	*244	*244
Combustible fuels	216	226	228	238	*244	*244
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	3535	3721	3552	3414	3214	3784
Gas-diesel oil	2253	2279	*2365	*2064	2322	2494
Liquefied petroleum gas	596	*449	*520	*572	907	946
Other oil products	..	..	764	764	683	563
Natural gas	..	..	..	..	1444	1444
Total input	6384	6449	7202	6814	8570	9231
Total production	1838	1542	1986	1610	2136	2197
Estimated efficiency (% of production to input)	29	24	28	24	25	24

Statistics on electricity

Nigeria

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	33145	36508	32218	33380	33107	32432
Combustible fuels	26697	28331	24443	25657	24633	24701
Hydro	6420	8147	7744	7692	8430	7686
Nuclear	..	..	..	..	..	..
Other	28	30	31	31	44	45
Main activity	27152	30121	26688	27586	27508	26833
Combustible fuels	20863	22140	19102	20051	19250	19303
Hydro	6289	7981	7586	7535	8258	7530
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1631	1048	925	958	951	931
Net production	31514	35460	31293	32422	32157	31501
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	4971	5476	4832	5007	4966	4864
Consumption	25026	25636	26228	26881	27516	28006
Energy industries own use	179	207	236	229	242	239
By industry and construction	3918	3825	3817	3897	3927	3819
By transport	..	..	..	..	..	..
By households and other cons.	20929	21604	22175	22756	23347	23948
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*10589	*12535	*12275	*12275	11681	12004
Combustible fuels	*8458	*10403	*10142	*10142	9539	9862
Hydro	*2111	*2111	*2111	*2111	*2111	*2111
Nuclear	..	..	..	..	..	..
Other	20	21	22	22	31	31
Main activity	*7529	*9212	*9033	*9033	8430	8753
Combustible fuels	*5458	*7141	*6962	*6962	6359	6682
Hydro	*2071	*2071	*2071	*2071	*2071	*2071
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	266970	283310	244700	268629	254826	268097
Total input	266970	283310	244700	268629	254826	268097
Total production	96109	101992	87996	92366	88679	88922
Estimated efficiency (% of production to input)	36	36	36	34	35	33

Statistics on electricity

Niue

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3	*3	*3	*4	*4	*4
Combustible fuels	3	*3	*3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	3	*3	*3	*4	*4	*4
Combustible fuels	3	*3	*3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	3	*3	*3	*4	*4	*4
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	0	0	0	*1	0
Consumption	3	*3	*3	*3	*3	*3
Energy industries own use	..	..	..	..	..	..
By industry and construction	1	*1	*1	*1	*1	*1
By transport	..	..	..	..	..	..
By households and other cons.	2	*2	*2	*3	*3	*3
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*2	*2	*2	*2	*3	*3
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	1	*1
Main activity	*2	*2	*2	*2	*3	*3
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	1	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	34	*34	*33	*34	*34	*34
Total input	34	*34	*33	*34	*34	*34
Total production	12	*12	*12	*12	*12	*12
Estimated efficiency (% of production to input)	35	35	36	36	36	36

Statistics on electricity

North Macedonia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5646	5630	5600	5607	5870	5346
Combustible fuels	3638	3599	4356	3696	4581	3929
Hydro	1865	1897	1110	1791	1164	1277
Nuclear	..	..	..	..	..	..
Other	143	133	134	120	125	140
Main activity	5646	5630	5600	5607	5870	5346
Combustible fuels	3638	3599	4356	3696	4581	3929
Hydro	1865	1897	1110	1791	1164	1277
Nuclear	..	..	..	..	..	..
Other	143	133	134	120	125	140
Own use in electricity, CHP and heat plants	380	358	387	338	381	327
Net production	5266	5272	5213	5269	5488	5019
Imports	2656	2191	2294	2297	2411	2965
Exports	143	160	311	377	583	639
Losses	1035	1007	1004	995	979	1027
Consumption	6743	6296	6192	6194	6337	6319
Energy industries own use	108	103	90	89	96	94
By industry and construction	1976	1653	1472	1560	1635	1640
By transport	17	14	14	12	14	13
By households and other cons.	4642	4526	4616	4534	4592	4572
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1790	1823	1836	1839	1844	1850
Combustible fuels	1078	1109	1111	1111	1112	1112
Hydro	658	660	671	674	678	684
Nuclear	..	..	..	..	..	..
Other	54	54	54	54	54	54
Main activity	1790	1823	1836	1839	1844	1850
Combustible fuels	1078	1109	1111	1111	1112	1112
Hydro	658	660	671	674	678	684
Nuclear	..	..	..	..	..	..
Other	54	54	54	54	54	54
Combustible fuel input	Terajoules					
Brown Coal	38046	33979	38362	32774	39673	35350
Biogas	75	519	742	778	793	825
Fuel oil	1584	1130	986	548	690	1084
Natural gas	1481	4603	6503	5902	7231	8702
Total input	41185	40231	46592	40003	48387	45960
Total production	13095	12956	15680	13304	16492	14144
Estimated efficiency (% of production to input)	32	32	34	33	34	31

Statistics on electricity

Northern Mariana Islands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*430	*387	*380	*390	*392	*293
Combustible fuels	*430	*387	*380	*390	*392	*290
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*3
Main activity	*430	*387	*380	*390	*392	*293
Combustible fuels	*430	*387	*380	*390	*392	*290
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*3
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*430	*387	*380	*390	*392	*293
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*96	*86	*85	*86	*86	*63
Consumption	*334	*301	*295	*304	*306	*230
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*334	*301	*295	*304	*306	*230
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*95	95	*63	*63	*63	*65
Combustible fuels	*95	95	*63	*63	*63	*63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*2
Main activity	*95	95	*63	*63	*63	*65
Combustible fuels	*95	95	*63	*63	*63	*63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	*2
Combustible fuel input	Terajoules					
Gas-diesel oil	*5504	*4945	*4859	*4988	*5031	*3655
Total input	*5504	*4945	*4859	*4988	*5031	*3655
Total production	*1547	*1392	*1368	*1404	*1411	*1044
Estimated efficiency (% of production to input)	28	28	28	28	28	29

Statistics on electricity

Norway

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	144546	149042	149480	146891	135292	154255
Combustible fuels	3247	3201	3190	3169	3010	2436
Hydro	138450	143417	143112	139509	126404	141593
Nuclear	..	..	..	..	..	..
Other	2849	2424	3178	4213	5877	10226
Main activity	141616	146136	146635	143968	132571	152138
Combustible fuels	651	603	669	584	631	635
Hydro	138450	143417	143112	139509	126404	141593
Nuclear	..	..	..	..	..	..
Other	2515	2116	2854	3876	5536	9911
Own use in electricity, CHP and heat plants	642	563	717	653	626	603
Net production	143904	148479	148763	146238	134666	153652
Imports	7371	5740	6111	8340	12353	4496
Exports	22016	22151	21276	18489	12309	24968
Losses	7469	9170	9153	9005	8257	8909
Consumption	120255	122117	123023	126143	125459	123277
Energy industries own use	9178	8472	9327	10236	9835	9955
By industry and construction	45012	45756	46010	47004	46555	47154
By transport	794	901	993	1223	1446	1652
By households and other cons.	65271	66988	66693	67679	67623	64516
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	33837	33808	34228	35416	36940	39026
Combustible fuels	1563	1073	1074	1073	1074	1069
Hydro	31372	31817	31912	32530	32797	33732
Nuclear	..	..	..	..	..	..
Other	902	918	1242	1813	3069	4225
Main activity	33284	33255	33689	34796	36268	38309
Combustible fuels	1010	520	535	521	522	512
Hydro	31372	31817	31912	32530	32797	33732
Nuclear	..	..	..	..	..	..
Other	902	918	1242	1745	2949	4065
Combustible fuel input	Terajoules					
Hard Coal	703	731	815	865	853	819
Biogas	181	130	159	130	134	57
Gas-diesel oil	344	387	235	232	171	174
Liquefied petroleum gas	0	0	0	12	12	10
Refinery gas	4653	4851	5544	4507	3752	1639
Natural gas	15298	15309	14827	15198	13989	10588
Blast furnace gas	1088	1006	1255	1247	1251	867
Fuelwood	94	309	1536	1550	1847	1750
Municipal waste	8670	8610	8756	8861	9158	8867
Other liquid biofuels	0	0	14	8	7	4
Total input	31030	31333	33140	32609	31175	24776
Total production	11689	11524	11484	11410	10838	8769
Estimated efficiency (% of production to input)	38	37	35	35	35	35

Statistics on electricity

Oman

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	32762	34232	36130	37718	38337	38173
Combustible fuels	32758	34228	36114	37702	38320	38045
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	16	16	17	128
Main activity	32762	34232	36130	37718	38337	38173
Combustible fuels	32758	34228	36114	37702	38320	38045
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	16	16	17	128
Own use in electricity, CHP and heat plants	676	620	459	497	820	1313
Net production	32086	33612	35670	37221	37517	36860
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3174	3253	3321	3674	3721	3742
Consumption	28912	30359	32349	33547	33796	33117
Energy industries own use	..	..	..	..	..	..
By industry and construction	4723	5153	5021	5169	5092	4923
By transport	..	..	..	..	..	..
By households and other cons.	24189	25206	27328	28379	28704	28194
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7868	8165	8228	8450	8501	*8603
Combustible fuels	7866	8163	8220	8442	8442	*8442
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	8	8	59	162
Main activity	7868	8165	8228	8450	8501	*8603
Combustible fuels	7866	8163	8220	8442	8442	*8442
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	8	8	59	162
Combustible fuel input	Terajoules					
Gas-diesel oil	8686	9632	10606	11542	12308	12308
Natural gas	317548	304957	314281	316552	286348	277564
Total input	326234	314589	324887	328094	298657	289872
Total production	117928	123220	130011	135728	137953	136962
Estimated efficiency (% of production to input)	36	39	40	41	46	47

Statistics on electricity

Pakistan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	110129	115503	123533	134982	136461	130458
Combustible fuels	70557	74698	81447	93546	89621	80734
Hydro	32867	34573	32132	27729	32789	33991
Nuclear	5804	4602	6867	9849	9134	11495
Other	901	1630	3087	3858	4917	4238
Main activity	107515	113189	120807	131999	133481	127881
Combustible fuels	68383	73016	79732	91583	87608	78718
Hydro	32867	34573	32132	27729	32789	33991
Nuclear	5804	4602	6867	9849	9134	11495
Other	461	998	2076	2838	3950	3677
Own use in electricity, CHP and heat plants	4124	4503	3793	4311	2896	298
Net production	106005	111000	119740	130671	133565	130160
Imports	552	655	433	297	499	514
Exports	..	..	..	..	..	..
Losses	16941	17823	20615	16765	17389	22986
Consumption	90429	95530	103273	109459	113546	107687
Energy industries own use	..	..	..	..	..	..
By industry and construction	25035	24010	27398	28760	29834	25545
By transport	0	0	..	..	..	..
By households and other cons.	65394	71520	75875	80699	83712	82141
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	24495	26698	31246	34875	37681	39669
Combustible fuels	16217	17874	21518	24325	24386	26273
Hydro	7115	7115	7115	7270	9757	9858
Nuclear	750	750	1090	1430	1430	1430
Other	413	959	1523	1850	2108	2108
Main activity	23872	26012	30434	34012	36761	38742
Combustible fuels	15751	17407	21037	23834	23896	25776
Hydro	7115	7115	7115	7270	9757	9858
Nuclear	750	750	1090	1430	1430	1430
Other	256	740	1192	1478	1678	1678
Combustible fuel input	Terajoules					
Hard Coal	5024	20662	115611	122361	153542	279971
Gas-diesel oil	12040	11954	7955	1118	1118	507
Fuel oil	324776	299021	*249591	*111948	*113039	118336
Natural gas	359108	361882	478796	520576	477108	358309
Bagasse	*23583	*23560	*23560	*23622	*23622	*23939
Total input	724531	717079	875513	779625	768429	781061
Total production	254005	268913	293209	336766	322636	290642
Estimated efficiency (% of production to input)	35	38	33	43	42	37

Statistics on electricity

Palau

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*92	*94	*98	*96	97	*98
Combustible fuels	*89	*90	*94	*92	91	*92
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	4	*4	*4	*6	*6
Main activity	*86	*88	*90	*86	85	*86
Combustible fuels	*83	*84	*86	*82	79	*80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	4	*4	*4	*6	*6
Own use in electricity, CHP and heat plants	*7	*6	*5	*5	*3	*3
Net production	*85	*88	*93	*91	94	*95
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*4	*4	*9	*5	*5	*7
Consumption	*79	*76	*84	*86	*89	*88
Energy industries own use	..	..	..	..	..	..
By industry and construction	*6	*6	*6	*6	*6	*6
By transport	..	..	..	..	..	..
By households and other cons.	*73	*70	*78	*80	*83	*82
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	31	40	*40	*40	*41	*41
Combustible fuels	30	39	*39	*39	*39	*39
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	3	*3
Main activity	29	38	*38	*38	*39	*39
Combustible fuels	28	37	*37	*37	*37	*37
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	3	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	*918	*922	*976	*961	*939	*968
Total input	*918	*922	*976	*961	*939	*968
Total production	*321	*323	*338	*330	326	*331
Estimated efficiency (% of production to input)	35	35	35	34	35	34

Statistics on electricity

Panama

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	10295	10885	11054	11353	11663	10970
Combustible fuels	3604	3666	3141	2657	5527	2685
Hydro	6257	6523	7256	7858	5096	7353
Nuclear	..	..	..	..	..	..
Other	435	697	657	838	1040	932
Main activity	10262	10853	11022	11192	10495	10046
Combustible fuels	3570	3634	3109	2496	4359	1918
Hydro	6257	6523	7256	7858	5096	7197
Nuclear	..	..	..	..	..	..
Other	435	697	657	838	1040	931
Own use in electricity, CHP and heat plants	201	207	242	492	197	207
Net production	10095	10678	10812	10861	11466	10763
Imports	17	30	7	13	77	117
Exports	139	398	318	326	427	567
Losses	1400	1512	1448	1423	1309	1207
Consumption	8549	8761	9095	9296	9786	9232
Energy industries own use	..	..	..	..	..	..
By industry and construction	669	647	651	617	605	461
By transport	42	37	41	41	54	70
By households and other cons.	7837	8077	8403	8638	9127	8701
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3224	3371	3423	4055	4091	4117
Combustible fuels	1202	1235	1225	1811	1819	1819
Hydro	1726	1769	1777	1777	1796	1806
Nuclear	..	..	..	..	..	..
Other	296	367	421	467	476	491
Main activity	2992	3139	3191	3823	3569	3595
Combustible fuels	1030	1063	1053	1639	1357	1357
Hydro	1666	1709	1717	1717	1736	1746
Nuclear	..	..	..	..	..	..
Other	296	367	421	467	476	491
Combustible fuel input	Terajoules					
Hard Coal	9133	8075	2252	5642	23137	24894
Gas-diesel oil	2555	1935	2718	881	929	464
Fuel oil	19386	21312	19682	9750	11126	1749
Natural gas	..	..	..	10180	31663	16315
Bagasse	2900	4001	2843	4409	2573	2785
Total input	33974	35324	27495	30862	69428	46207
Total production	12974	13199	11309	9565	19896	9667
Estimated efficiency (% of production to input)	38	37	41	31	29	21

Statistics on electricity

Papua New Guinea

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4560	4794	4595	4629	4686	4476
Combustible fuels	3125	3367	3155	3375	3167	2997
Hydro	1012	1005	1018	830	1095	1077
Nuclear	..	..	..	..	..	..
Other	423	422	422	424	424	402
Main activity	1153	1274	1291	1376	1640	1697
Combustible fuels	491	622	622	753	752	818
Hydro	661	650	667	621	886	877
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	2
Own use in electricity, CHP and heat plants	236	465	259	58	103	216
Net production	4324	4329	4336	4571	4583	4260
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	442	349	*372	384	372	361
Consumption	3882	3991	*3998	*4280	*4278	*4364
Energy industries own use	..	..	..	..	..	..
By industry and construction	2838	2931	*2935	*3140	*3081	*3201
By transport	..	..	..	..	..	..
By households and other cons.	*1044	*1061	*1063	*1140	*1197	*1162
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*905	*971	*971	*1102	*1325	*1336
Combustible fuels	*590	*656	*656	*750	*919	*930
Hydro	*258	*258	*258	295	295	*295
Nuclear	..	..	..	..	..	..
Other	57	57	57	57	111	*111
Main activity	*296	*363	*369	*501	*670	*681
Combustible fuels	*140	*206	*206	*300	*469	*480
Hydro	*155	*155	*162	200	200	*200
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	4312	3894	4194	6824	6155	5234
Fuel oil	22273	22693	20179	27047	24535	21018
Natural gas	7397	9351	9676	7443	6885	11211
Bagasse	84	84	84	84	84	84
Total input	34065	36021	34134	41398	37658	37546
Total production	11250	12121	11358	12150	11401	10789
Estimated efficiency (% of production to input)	33	34	33	29	30	29

Statistics on electricity

Paraguay

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	55744	63771	59685	59212	49448	46373
Combustible fuels	1	1	2	2	2	2
Hydro	55743	63770	59684	59211	49446	46371
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	55744	63771	59685	59212	49448	46373
Combustible fuels	1	1	2	2	2	2
Hydro	55743	63770	59684	59211	49446	46371
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	451	523	495	483	390	422
Net production	55293	63248	59190	58730	49058	45951
Imports	..	..	..	..	..	..
Exports	41127	48415	43635	42205	31748	28005
Losses	3590	3821	4000	4021	4470	4227
Consumption	10576	11012	11555	12504	12840	13719
Energy industries own use	..	..	..	..	..	..
By industry and construction	4010	4105	4452	4695	4714	4656
By transport	..	..	..	..	..	..
By households and other cons.	6567	6907	7103	7808	8126	9063
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8775	8761	8761	8761	8761	8761
Combustible fuels	15	1	1	1	1	1
Hydro	8760	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	8775	8761	8761	8761	8761	8761
Combustible fuels	15	1	1	1	1	1
Hydro	8760	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	18	17	20	21	24	22
Total input	18	17	20	21	24	22
Total production	5	5	5	6	7	7
Estimated efficiency (% of production to input)	28	27	27	27	31	31

Statistics on electricity

Peru

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	48277	52277	52743	54982	57038	52803
Combustible fuels	23729	26188	22265	21946	23088	19624
Hydro	23722	24785	29075	30737	31462	30510
Nuclear	..	..	..	..	..	..
Other	826	1305	1403	2299	2488	2670
Main activity	45719	50018	50345	52368	54464	50673
Combustible fuels	21766	24577	20591	20125	21261	18169
Hydro	23127	24136	28393	29989	30769	29895
Nuclear	..	..	..	..	..	..
Other	826	1305	1361	2253	2434	2608
Own use in electricity, CHP and heat plants	567	1388	752	743	856	780
Net production	47710	50889	51991	54239	56182	52024
Imports	1	22	17	21	60	37
Exports	55	38	0	..	..	..
Losses	5324	5484	5543	5969	6411	6414
Consumption	42334	45390	46465	48292	49831	45647
Energy industries own use	..	..	..	..	..	..
By industry and construction	23446	26055	26716	27832	28695	25596
By transport	48	46	53	60	75	77
By households and other cons.	18840	19290	19696	20401	21061	19974
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	12089	14517	14775	15214	15162	15229
Combustible fuels	7619	8988	9005	9154	9062	9072
Hydro	4130	5189	5246	5363	5397	5417
Nuclear	..	..	..	..	..	..
Other	340	340	524	697	703	740
Main activity	10511	13044	13239	13651	13650	13790
Combustible fuels	6145	7632	7639	7762	7723	7807
Hydro	4026	5072	5116	5232	5266	5286
Nuclear	..	..	..	..	..	..
Other	340	340	484	657	661	698
Combustible fuel input	Terajoules					
Hard Coal	6694	12096	9015	4735	5662	4467
Biogas	985	1906	391	484	576	504
Gas-diesel oil	8983	11048	15232	7825	6861	1911
Fuel oil	6339	6572	5828	5821	5824	3406
Refinery gas	1485	0	..	..	..	..
Natural gas	182405	199607	165558	168231	177697	150433
Bagasse	14363	11792	17599	13390	14490	14183
Biodiesel	383	473	762	391	343	96
Total input	221636	243493	214384	200877	211453	174999
Total production	85424	94275	80154	79005	83119	70645
Estimated efficiency (% of production to input)	39	39	37	39	39	40

Statistics on electricity

Philippines

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	82905	91789	95747	101223	107517	103215
Combustible fuels	62292	70519	73554	78985	86496	82851
Hydro	8682	8128	9628	9401	8043	7209
Nuclear	..	..	..	..	..	..
Other	11931	13143	12565	12837	12979	13156
Main activity	82413	90798	94371	99765	106042	101756
Combustible fuels	61818	69544	72195	77544	85038	81408
Hydro	8665	8111	9611	9384	8026	7192
Nuclear	..	..	..	..	..	..
Other	11931	13143	12565	12837	12979	13156
Own use in electricity, CHP and heat plants	7582	9314	9655	9589	10333	10171
Net production	75323	82475	86092	91634	97184	93044
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	7481	8286	8262	9007	9994	9742
Consumption	67808	74154	77793	82617	87118	83243
Energy industries own use	..	..	..	..	..	..
By industry and construction	22514	24119	25573	27587	28194	25566
By transport	98	103	112	105	106	76
By households and other cons.	45196	49933	52108	54925	58818	57600
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	18989	21869	23341	24464	26187	26899
Combustible fuels	12864	15127	16470	17480	19135	19713
Hydro	3616	3634	3643	3717	3776	3795
Nuclear	..	..	..	..	..	..
Other	2509	3108	3228	3267	3276	3390
Main activity	18765	21425	22728	23815	25531	26250
Combustible fuels	12656	14699	15873	16847	18495	19080
Hydro	3600	3618	3627	3701	3760	3779
Nuclear	..	..	..	..	..	..
Other	2509	3108	3228	3267	3276	3390
Combustible fuel input	Terajoules					
Brown Coal	387713	425312	514939	575508	632054	657530
Gas-diesel oil	12711	21251	17402	16473	17931	12780
Fuel oil	47559	31666	24284	15013	16148	9223
Natural gas	127938	146239	146138	157703	161726	145863
Bagasse	4590	9867	13825	15094	14144	17311
Municipal waste	955	447	527	543	634	467
Biodiesel	233	372	307	321	347	224
Total input	581699	635153	717423	780654	842984	843400
Total production	224251	253867	264794	284345	311384	298262
Estimated efficiency (% of production to input)	39	40	37	36	37	35

Statistics on electricity

Poland

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	164944	166635	170465	170039	163989	158043
Combustible fuels	151478	151234	152295	154428	145269	137254
Hydro	2435	2622	3034	2387	2665	2937
Nuclear	..	..	..	..	..	..
Other	11031	12779	15136	13224	16055	17852
Main activity	155562	156178	158554	155193	146774	139247
Combustible fuels	142272	140971	140614	140010	129006	120513
Hydro	2432	2619	3030	2384	2662	2934
Nuclear	..	..	..	..	..	..
Other	10858	12588	14909	12799	15107	15800
Own use in electricity, CHP and heat plants	14249	14632	15596	14780	12626	11892
Net production	150695	152003	154869	155260	151363	146151
Imports	14459	14017	13271	13816	17868	20624
Exports	14793	12018	10984	8121	7245	7357
Losses	10534	9495	9996	8894	8951	9995
Consumption	139827	144507	147160	152060	153035	149422
Energy industries own use	12008	11668	11372	11591	12623	12101
By industry and construction	49482	51210	54543	56424	56675	55272
By transport	3107	3287	3326	3469	3413	3174
By households and other cons.	75230	78342	77919	80575	80323	78876
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	37327	38105	42850	43046	43440	49368
Combustible fuels	29961	29783	34412	34314	33638	36715
Hydro	2370	2386	2390	2391	2397	2400
Nuclear	..	..	..	..	..	..
Other	4996	5936	6048	6340	7405	10254
Main activity	35189	36027	40077	39377	38760	42336
Combustible fuels	27934	27895	31929	31220	30526	33638
Hydro	2369	2385	2390	2391	2397	2399
Nuclear	..	..	..	..	..	..
Other	4886	5747	5758	5766	5838	6298
Combustible fuel input	Terajoules					
Hard Coal	912442	938903	953273	944114	875581	788395
Brown Coal	508760	485377	503717	483381	395678	368363
Biogas	6298	7231	8216	8582	8623	9597
Fuel oil	15837	16443	14890	12711	12489	13487
Natural gas	57442	68953	83638	102753	117539	135750
Coke-oven gas	22755	24895	22961	23502	22651	18713
Blast furnace gas	16242	14630	15884	16215	13887	11370
Fuelwood	*50048	*45096	*37123	*31861	*35043	*34915
Vegetal waste	*44115	*26528	*16529	*23161	*32134	*38851
Municipal waste	727	3959	6497	8918	11039	12170
Others	6620	5735	3904	5168	4612	4961
Total input	1641286	1637750	1666631	1660366	1529276	1436573
Total production	545321	544442	548263	555940	522968	494115
Estimated efficiency (% of production to input)	33	33	33	33	34	34

Statistics on electricity

Portugal

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	52420	60328	59432	59636	53154	53078
Combustible fuels	30005	29903	38344	32155	27687	25214
Hydro	9799	16909	7632	13628	10243	13633
Nuclear	..	..	..	..	..	..
Other	12616	13516	13456	13853	15225	14231
Main activity	44126	52123	50996	51312	44477	44201
Combustible fuels	22076	22104	30392	24341	19689	17319
Hydro	9784	16889	7621	13610	10225	13615
Nuclear	..	..	..	..	..	..
Other	12266	13130	12983	13362	14563	13267
Own use in electricity, CHP and heat plants	1480	1466	1763	1439	969	800
Net production	50940	58862	57669	58197	52185	52278
Imports	8077	4616	5506	5668	8099	7553
Exports	5811	9701	8190	8325	4700	6097
Losses	4894	4901	5101	5060	4948	4501
Consumption	48309	48880	49884	50480	50637	49166
Energy industries own use	2497	2485	3243	2521	2758	2912
By industry and construction	15481	15645	16143	16397	16696	16067
By transport	308	431	485	491	494	430
By households and other cons.	30023	30319	30013	31071	30690	29757
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	19624	20613	20933	21186	21575	21655
Combustible fuels	8048	7990	7975	8080	8160	8163
Hydro	6168	6960	7226	7236	7262	7241
Nuclear	..	..	..	..	..	..
Other	5408	5663	5733	5869	6153	6252
Main activity	17575	18570	18849	18950	19166	19156
Combustible fuels	6205	6209	6205	6208	6281	6278
Hydro	6162	6954	7220	7230	7256	7235
Nuclear	..	..	..	..	..	..
Other	5208	5407	5424	5511	5629	5642
Combustible fuel input	Terajoules					
Hard Coal	135911	118603	135512	112417	52058	28657
Biogas	3121	2996	3224	3127	3068	3168
Gas-diesel oil	989	774	790	740	697	699
Fuel oil	9656	9938	9362	8647	9279	8660
Refinery gas	644	396	469	525	628	797
Natural gas	97300	110638	155584	133961	146170	147715
Fuelwood	*11384	*15464	*12422	*10686	*15008	*20958
Vegetal waste	*6961	*2483	*5061	*7397	*6295	*4905
Municipal waste	8155	8680	8738	8120	8666	8341
Black liquor	*7031	*7751	*9033	*9138	*8413	*8761
Others	153	182	172	169	163	162
Total input	281303	277905	340367	294928	250448	232823
Total production	108018	107651	138039	115758	99674	90772
Estimated efficiency (% of production to input)	38	39	41	39	40	39

Statistics on electricity

Puerto Rico

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	20911	20644	16371	17453	18886	18774
Combustible fuels	20522	20262	16013	17226	18444	18321
Hydro	56	71	51	38	41	51
Nuclear	..	..	..	..	..	..
Other	333	311	308	189	401	402
Main activity	20661	20394	16161	17233	18656	18542
Combustible fuels	20272	20012	15803	17006	18214	18089
Hydro	56	71	51	38	41	51
Nuclear	..	..	..	..	..	..
Other	333	311	308	189	401	402
Own use in electricity, CHP and heat plants	829	764	674	664	670	632
Net production	20082	19880	15698	16789	18217	18142
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1255	*1239	*982	*524	*1133	*1126
Consumption	17235	17311	13559	16375	16077	16035
Energy industries own use	..	..	..	..	..	..
By industry and construction	2355	2250	1741	2128	2048	1910
By transport	..	..	..	..	..	..
By households and other cons.	14880	15061	11817	14246	14029	14126
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*6112	6257	*6264	5830	6173	*6126
Combustible fuels	*5800	5900	*5900	5466	5808	*5760
Hydro	99	99	99	99	99	99
Nuclear	..	..	..	..	..	..
Other	213	258	266	266	267	267
Main activity	*6051	6196	*6203	5770	6113	*6066
Combustible fuels	*5739	5839	*5839	5406	5748	*5700
Hydro	99	99	99	99	99	99
Nuclear	..	..	..	..	..	..
Other	213	258	266	266	267	267
Combustible fuel input	Terajoules					
Hard Coal	37689	37240	26195	29113	40540	35111
Biogas	*4	*89	*139	*136	*195	*121
Fuel oil	110159	96972	85616	78235	73249	107084
Natural gas	61149	67732	51276	66555	75889	53292
Total input	209000	202032	163225	174038	189873	195608
Total production	73879	72942	57646	62013	66399	65957
Estimated efficiency (% of production to input)	35	36	35	36	35	34

Statistics on electricity

Qatar

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	41499	42307	45555	47913	49873	49259
Combustible fuels	41499	42307	45555	47913	49873	49259
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2501	2550	2742	1533	1930	2759
Combustible fuels	2501	2550	2742	1533	1930	2759
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2647	2642	2831	3259	3440	3434
Net production	38852	39665	42724	44654	46432	45825
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2475	2532	2695	2786	2772	2774
Consumption	36378	37134	40030	*41868	*43660	43089
Energy industries own use	..	..	..	..	..	..
By industry and construction	11887	12026	11262	12197	12124	10465
By transport	..	..	..	..	..	..
By households and other cons.	24491	25108	28768	*29671	*31536	32625
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*8561	*8559	*10170	*10590	*10590	*10590
Combustible fuels	*8561	*8559	*10170	*10590	*10590	*10590
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1284	*1284	*1526	*1553	*1553	*1553
Combustible fuels	*1284	*1284	*1526	*1553	*1553	*1553
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	399818	407605	438866	452056	472908	473104
Total input	399818	407605	438866	452056	472908	473104
Total production	149396	152305	163998	172487	179542	177332
Estimated efficiency (% of production to input)	37	37	37	38	38	37

Statistics on electricity

Republic of Moldova

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	939	906	896	954	941	983
Combustible fuels	885	862	839	884	830	881
Hydro	50	39	48	44	65	47
Nuclear	..	..	..	..	..	..
Other	4	5	9	26	46	55
Main activity	899	864	841	882	862	913
Combustible fuels	845	820	786	827	777	835
Hydro	50	39	48	44	65	47
Nuclear	..	..	..	..	..	..
Other	4	5	7	11	20	31
Own use in electricity, CHP and heat plants	134	136	135	132	157	148
Net production	805	770	761	822	784	835
Imports	3315	3325	3412	3500	3501	3418
Exports	..	..	..	..	..	..
Losses	393	428	429	441	425	404
Consumption	3727	3667	3744	3881	3860	3849
Energy industries own use	41	45	40	40	47	42
By industry and construction	773	751	764	771	740	705
By transport	49	62	82	72	45	42
By households and other cons.	2864	2809	2858	2998	3028	3060
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	491	463	477	478	486	490
Combustible fuels	473	443	450	425	430	428
Hydro	16	16	16	16	16	16
Nuclear	..	..	..	..	..	..
Other	2	4	11	37	40	46
Main activity	348	350	353	358	363	372
Combustible fuels	330	330	330	330	330	330
Hydro	16	16	16	16	16	16
Nuclear	..	..	..	..	..	..
Other	2	4	7	12	17	26
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	..	..
Biogas	401	361	282	313	292	293
Gas-diesel oil	0	0	0	0	..	9
Fuel oil	283	485	404	283	81	16
Other oil products	0	40	0	0	..	0
Natural gas	11874	11660	11511	12292	10935	11112
Fuelwood	0	0	0	0	..	..
Vegetal waste	0	0	0	0	0	0
Industrial waste	0	0	0	0	0	0
Total input	12558	12546	12197	12888	11308	11430
Total production	3186	3103	3020	3182	2988	3172
Estimated efficiency (% of production to input)	25	25	25	25	26	28

Statistics on electricity

Romania

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	66296	65103	64296	64876	59623	55935
Combustible fuels	28604	26871	28672	27308	23787	20088
Hydro	17007	18536	14853	18097	16006	15701
Nuclear	11640	11286	11509	11377	11280	11466
Other	9045	8410	9262	8093	8550	8679
Main activity	58889	57978	57283	57482	53218	48648
Combustible fuels	22215	20561	22374	20509	18072	13527
Hydro	16603	18213	14609	17859	15736	15432
Nuclear	11640	11286	11509	11377	11280	11466
Other	8431	7918	8791	7736	8130	8222
Own use in electricity, CHP and heat plants	5019	4847	4941	4701	4446	4011
Net production	61277	60256	59355	60176	55177	51924
Imports	4492	4177	4842	3697	5493	8252
Exports	11220	9194	7735	6241	3975	5459
Losses	7161	7125	6994	7056	6501	6202
Consumption	47284	47802	49327	50341	50172	48479
Energy industries own use	4254	4545	4628	4774	4598	4454
By industry and construction	20525	20817	21724	22225	21949	20244
By transport	1082	1048	1089	1056	1060	1086
By households and other cons.	21423	21392	21886	22285	22564	22695
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	23830	23580	23572	23553	20908	20585
Combustible fuels	11233	11038	11067	11023	8366	8126
Hydro	6730	6734	6691	6701	6686	6653
Nuclear	1411	1411	1411	1411	1411	1411
Other	4456	4397	4403	4418	4445	4395
Main activity	20497	20416	20550	20568	18638	18029
Combustible fuels	8895	8887	8908	8873	6670	6309
Hydro	6619	6644	6610	6618	6603	6566
Nuclear	1411	1411	1411	1411	1411	1411
Other	3572	3474	3621	3666	3954	3743
Combustible fuel input	Terajoules					
Brown Coal	216668	190559	194597	182821	177525	119040
Biogas	594	472	469	466	372	475
Motor gasoline	..	..	0	0	1	0
Gas-diesel oil	129	129	39	34	75	72
Fuel oil	1252	1656	512	991	334	461
Refinery gas	1881	5198	4258	4195	6969	4235
Petroleum coke	..	3250	3621	3495	2212	1429
Natural gas	109341	114034	121683	121155	101530	108256
Blast furnace gas	1265	1336	1023	1425	1525	1674
Fuelwood	5383	6034	*6471	*6223	*6392	*6615
Others	4143	2	0	0	0	0
Total input	340656	322670	332674	320804	296934	242256
Total production	102974	96736	103218	98311	85631	72318
Estimated efficiency (% of production to input)	30	30	31	31	29	30

Statistics on electricity

Russian Federation

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1067544	1090973	1094289	1115093	1121492	1089668
Combustible fuels	701220	706663	702882	716119	713955	655850
Hydro	169914	186640	187131	193027	196510	214388
Nuclear	195470	196614	203143	204569	208984	215745
Other	940	1056	1133	1378	2043	3685
Main activity	995548	1016191	1021908	1039647	1044968	1018570
Combustible fuels	630719	633211	631728	641826	638607	586036
Hydro	168419	185310	185904	191873	195334	213104
Nuclear	195470	196614	203143	204569	208984	215745
Other	940	1056	1133	1378	2043	3685
Own use in electricity, CHP and heat plants	69574	67738	70589	70556	70240	68247
Net production	997970	1023235	1023700	1044537	1051252	1021421
Imports	6586	3194	6410	5177	1618	3608
Exports	18244	17694	17006	17779	20049	12274
Losses	106553	107247	105261	103119	99077	95572
Consumption	879759	898111	904191	924909	930536	914296
Energy industries own use	147419	154141	143306	165327	174900	164681
By industry and construction	329000	326343	338785	340296	340553	333135
By transport	82120	82569	77587	82010	81628	77401
By households and other cons.	321219	335059	344513	337277	333455	339078
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	257075	264730	267639	271600	302074	*300458
Combustible fuels	179148	185815	187701	190215	217060	*215160
Hydro	50998	51016	51241	51333	52757	52889
Nuclear	26304	27189	27952	29140	30300	*30300
Other	625	710	746	913	1957	2109
Main activity	232223	240259	242389	245977	276452	*274836
Combustible fuels	154773	161794	162912	165054	191900	*190000
Hydro	50521	50566	50779	50871	52295	52427
Nuclear	26304	27189	27952	29140	30300	*30300
Other	625	710	746	913	1957	2109
Combustible fuel input	Terajoules					
Hard Coal	1468222	1443157	1428813	1614200	1626872	1598465
Brown Coal	969909	916234	925259	924413	895957	781095
Peat	5790	7264	5112	5516	6826	6001
Gas-diesel oil	62823	50224	57375	54739	53879	47144
Fuel oil	96798	83386	57422	61414	50392	44093
Other oil products	..	..	..	..	24894	21782
Natural gas	7522764	7260211	7154601	7880830	7539178	7086389
Coke-oven gas	69503	68586	64978	63008	61762	58118
Blast furnace gas	56294	52739	63194	56448	60593	61541
Industrial waste	85289	90771	90703	97637	97637	99338
Others	3295	3986	3486	*6158	9048	8969
Total input	10340686	9976558	9850943	10764363	10427040	9812937
Total production	2524392	2543987	2530374	2578027	2570238	2361059
Estimated efficiency (% of production to input)	24	25	26	24	25	24

Statistics on electricity

Rwanda

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	576	633	700	759	798	838
Combustible fuels	290	341	349	403	393	326
Hydro	272	277	334	338	387	494
Nuclear	..	..	..	..	..	..
Other	14	15	17	18	18	18
Main activity	574	631	698	757	796	836
Combustible fuels	288	339	347	401	391	324
Hydro	272	277	334	338	387	494
Nuclear	..	..	..	..	..	..
Other	14	15	17	18	18	18
Own use in electricity, CHP and heat plants	13	2	25	2	*3	*3
Net production	563	631	675	757	795	835
Imports	76	79	82	96	99	28
Exports	3	4	4	5	6	6
Losses	121	145	156	166	167	*142
Consumption	515	*561	597	682	*722	*715
Energy industries own use	..	..	..	..	..	..
By industry and construction	96	*150	161	196	200	219
By transport	..	..	..	..	..	..
By households and other cons.	419	*411	435	486	*522	*496
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	172	193	209	226	228	238
Combustible fuels	82	99	111	121	122	122
Hydro	80	84	86	92	95	105
Nuclear	..	..	..	..	..	..
Other	9	9	12	12	12	12
Main activity	171	192	208	225	227	237
Combustible fuels	81	98	110	120	121	121
Hydro	80	84	86	92	95	105
Nuclear	..	..	..	..	..	..
Other	9	9	12	12	12	12
Combustible fuel input	Terajoules					
Peat	*7	*70	*75	*153	*213	*128
Gas-diesel oil	*2081	*1378	*1476	*1692	*1446	*980
Natural gas	*990	*1700	*1700	*1900	*1870	*1800
Bagasse	*36	*36	*36	*36	*36	*36
Total input	*3114	*3184	*3288	*3782	*3566	*2944
Total production	1045	1229	1257	1451	1416	1173
Estimated efficiency (% of production to input)	34	39	38	38	40	40

Statistics on electricity

Samoa

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	134	149	154	154	169	173
Combustible fuels	93	101	108	90	96	107
Hydro	33	33	26	43	50	41
Nuclear	..	..	..	..	..	..
Other	8	16	20	21	24	24
Main activity	134	149	154	154	169	172
Combustible fuels	93	101	108	90	96	107
Hydro	33	33	26	43	50	41
Nuclear	..	..	..	..	..	..
Other	8	16	20	21	24	24
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	134	149	154	154	169	173
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	19	19	16	15	17	16
Consumption	115	130	138	138	152	157
Energy industries own use	..	..	..	..	..	..
By industry and construction	8	5	11	10	10	10
By transport	..	..	..	..	..	..
By households and other cons.	107	125	128	129	142	147
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*44	*52	53	*54	*56	*58
Combustible fuels	*23	*23	*23	*23	*23	*24
Hydro	11	*11	13	13	14	14
Nuclear	..	..	..	..	..	..
Other	11	18	18	*19	*19	*21
Main activity	*44	*52	53	*54	*56	*58
Combustible fuels	*23	*23	*23	*23	*23	*24
Hydro	11	*11	13	13	14	14
Nuclear	..	..	..	..	..	..
Other	11	18	18	*19	*19	*21
Combustible fuel input	Terajoules					
Gas-diesel oil	857	932	*989	*843	*903	*1011
Vegetal waste	..	..	..	..	..	*1
Total input	857	932	*989	*843	*903	*1011
Total production	336	363	387	322	344	385
Estimated efficiency (% of production to input)	39	39	39	38	38	38

Statistics on electricity

Sao Tome and Principe

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	102	106	109	*110	110	*110
Combustible fuels	95	100	104	*103	103	*103
Hydro	7	6	5	6	6	*6
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	102	106	109	*110	110	*110
Combustible fuels	95	100	104	*103	103	*103
Hydro	7	6	5	6	6	*6
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	0	0	4	*4	7	*4
Net production	102	106	105	*105	102	*105
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*40	40	*40	*40	*34	*37
Consumption	*62	*65	*65	*65	*69	*69
Energy industries own use	..	..	..	..	..	..
By industry and construction	*2	*3	*3	*3	*3	*3
By transport	..	..	..	..	..	..
By households and other cons.	*60	*62	*62	*63	*66	*66
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*26	*27	*29	*29	*30	*30
Combustible fuels	*24	*25	*26	*26	*27	*27
Hydro	2	2	2	2	2	2
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*26	*27	*29	*29	*30	*30
Combustible fuels	*24	*25	*26	*26	*27	*27
Hydro	2	2	2	2	2	2
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	879	1006	1109	*1075	*1075	*1075
Total input	879	1006	1109	*1075	*1075	*1075
Total production	341	360	374	*372	372	*372
Estimated efficiency (% of production to input)	39	36	34	35	35	35

Statistics on electricity

Saudi Arabia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	338376	345149	353666	343800	343313	339119
Combustible fuels	338330	345103	353596	343581	342478	338283
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	46	46	70	219	835	*836
Main activity	263555	260659	207008	192639	193712	184183
Combustible fuels	263509	260613	206938	192420	192877	183347
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	46	46	70	219	835	*836
Own use in electricity, CHP and heat plants	8015	8055	7941	8943	7868	1088
Net production	330361	337094	345725	334857	335445	338031
Imports	461	343	3	2	3	*464
Exports	512	1062	38	36	33	*832
Losses	25545	26186	32423	33105	31055	*35779
Consumption	285539	284405	320617	299192	288712	289331
Energy industries own use	12327	13459	35908	13402	13043	*11387
By industry and construction	41429	40128	41132	44802	*43581	*46493
By transport	..	..	..	..	..	..
By households and other cons.	231783	230818	243577	240988	232088	231451
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	69179	74726	83508	*77028	76485	*79779
Combustible fuels	69155	74702	83471	*76941	76373	*79667
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	24	24	37	87	112	112
Main activity	58200	62602	65882	*57793	42885	*46179
Combustible fuels	58176	62578	65845	*57706	42773	*46067
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	24	24	37	87	112	112
Combustible fuel input	Terajoules					
Crude oil	983602	*937537	*1029066	*749091	*830929	*853403
Gas-diesel oil	539779	474419	462938	*440879	*132016	*193500
Fuel oil	287608	315241	186365	175296	*611346	*658641
Natural gas	2194514	2322614	2435112	2338003	*2360160	*2421514
Total input	4005503	4049811	4113481	3703268	*3934451	*4127058
Total production	1217988	1242371	1272946	1236892	1232921	1217819
Estimated efficiency (% of production to input)	30	31	31	33	31	30

Statistics on electricity

Senegal

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3818	4097	4418	4502	*4453	5804
Combustible fuels	3779	4044	4270	4333	*4081	5159
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	39	53	148	169	*372	*645
Main activity	3105	3239	3449	3368	*3427	4999
Combustible fuels	3105	3239	3449	3368	*3212	4528
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*214	*472
Own use in electricity, CHP and heat plants	54	54	54	55	52	59
Net production	3764	4043	4364	4447	*4401	5745
Imports	333	360	360	360	324	356
Exports	..	..	..	..	..	..
Losses	631	670	672	672	764	762
Consumption	3466	3734	3472	3998	*3960	4585
Energy industries own use	..	..	..	..	..	..
By industry and construction	951	1073	446	1075	1719	1982
By transport	..	..	..	..	..	..
By households and other cons.	2515	2661	3026	2923	*2242	2603
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	886	*893	1016	1174	1432	*1546
Combustible fuels	834	*840	884	1001	1141	*1141
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*52	*53	132	173	*291	*405
Main activity	508	*510	554	671	971	*1083
Combustible fuels	508	*510	554	671	811	*811
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*160	272
Combustible fuel input	Terajoules					
Hard Coal	..	..	4665	6764	8300	1721
Gas-diesel oil	4945	2365	5805	8342	5531	1595
Fuel oil	26179	28684	28159	32118	28826	37747
Natural gas	946	878	736	461	559	553
Bagasse	*1828	*2544	*2127	*3062	3253	3102
Total input	33898	34471	41492	50747	46469	44719
Total production	13604	14558	15372	15599	*14692	18571
Estimated efficiency (% of production to input)	40	42	37	31	32	42

Statistics on electricity

Serbia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	38298	39342	37045	37426	37600	37956
Combustible fuels	27504	27784	27232	25869	26490	27219
Hydro	10783	11520	9752	11393	10198	9749
Nuclear	..	..	..	..	..	..
Other	11	38	62	163	912	989
Main activity	37980	38889	36519	36883	37130	37483
Combustible fuels	27186	27331	26705	25326	26020	26745
Hydro	10783	11520	9752	11393	10198	9749
Nuclear	..	..	..	..	..	..
Other	11	38	62	163	912	989
Own use in electricity, CHP and heat plants	2659	2714	2747	2642	3035	2683
Net production	35639	36628	34299	34783	34565	35274
Imports	6303	5068	6549	6400	5417	5070
Exports	7221	6990	5724	6284	5341	5675
Losses	5169	4808	4806	4532	4332	4385
Consumption	29552	29898	30317	30368	30308	30284
Energy industries own use	2363	2296	2193	2319	2314	2403
By industry and construction	7539	8001	8402	8735	8783	8617
By transport	351	352	375	375	375	358
By households and other cons.	19299	19249	19347	18939	18836	18905
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7358	7410	7410	7632	7868	7884
Combustible fuels	4327	4352	4337	4351	4385	4392
Hydro	3022	3030	3038	3043	3074	3082
Nuclear	..	..	..	..	..	..
Other	9	28	35	238	409	410
Main activity	7281	7281	7296	7514	7727	7739
Combustible fuels	4250	4223	4223	4233	4244	4248
Hydro	3022	3030	3038	3043	3074	3082
Nuclear	..	..	..	..	..	..
Other	9	28	35	238	409	410
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	1	3	44
Brown Coal	291520	289300	286828	268848	269485	290140
Lignite briquettes	705	726	717	650	609	497
Biogas	140	210	398	631	758	923
Fuel oil	2020	2666	2786	3004	1248	712
Other oil products	..	80	74	18	51	71
Natural gas	4997	5331	7478	8113	10164	8824
Blast furnace gas	3071	3929	4249	4760	4637	3209
Fuelwood	100	90	0	0	221	395
Vegetal waste	..	..	81	105	99	93
Others	15	23	20	22	27	26
Total input	302568	302355	302632	286150	287301	304934
Total production	99014	100022	98034	93129	95364	97988
Estimated efficiency (% of production to input)	33	33	32	33	33	32

Statistics on electricity

Seychelles

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	462	496	513	518	540	535
Combustible fuels	454	487	503	507	531	523
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	9	10	11	9	12
Main activity	378	410	424	428	448	442
Combustible fuels	369	401	414	417	439	430
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	9	10	11	9	12
Own use in electricity, CHP and heat plants	*12	*12	*12	12	*13	*13
Net production	450	484	501	506	527	522
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*33	43	40	42	48	40
Consumption	417	*441	*461	*464	*479	*482
Energy industries own use	..	..	..	..	..	..
By industry and construction	*131	*130	*135	*140	*130	*136
By transport	..	..	..	..	..	..
By households and other cons.	286	*311	*326	*324	*349	*346
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	117	*137	154	*156	*157	143
Combustible fuels	110	*129	146	*146	*147	133
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	8	9	10	10	10
Main activity	89	*108	125	*126	*128	114
Combustible fuels	82	*100	116	*116	*118	104
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	8	9	10	10	10
Combustible fuel input	Terajoules					
Gas-diesel oil	*920	*942	*972	*980	*1023	*1028
Fuel oil	3341	3600	3697	3758	3953	3878
Total input	4261	4541	4668	4738	4977	4905
Total production	1634	1753	1812	1825	1912	1883
Estimated efficiency (% of production to input)	38	39	39	39	38	38

Statistics on electricity

Sierra Leone

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*199	299	319	320	260	253
Combustible fuels	*44	80	89	91	17	11
Hydro	*155	218	224	223	237	236
Nuclear	..	..	..	..	..	..
Other	1	1	6	6	6	*6
Main activity	*195	295	315	316	256	249
Combustible fuels	*40	76	85	87	13	7
Hydro	*155	218	224	223	237	236
Nuclear	..	..	..	..	..	..
Other	1	1	6	6	6	*6
Own use in electricity, CHP and heat plants	*1	1	3	3	3	*4
Net production	*198	298	316	317	257	249
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*68	*88	*90	*86	*77	*75
Consumption	*130	*210	*226	*231	*180	*174
Energy industries own use	..	..	..	..	..	..
By industry and construction	32	*78	*84	*88	*75	*74
By transport	..	..	..	..	..	..
By households and other cons.	*98	*132	*142	*143	*105	*100
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	135	140	*143	*142	143	99
Combustible fuels	79	79	*79	*77	78	*34
Hydro	56	60	60	61	61	61
Nuclear	..	..	..	..	..	..
Other	0	1	4	4	4	4
Main activity	133	138	*141	*140	141	97
Combustible fuels	77	77	*77	*75	76	*32
Hydro	56	60	60	61	61	61
Nuclear	..	..	..	..	..	..
Other	0	1	4	4	4	4
Combustible fuel input	Terajoules					
Gas-diesel oil	*430	*860	*903	*946	*155	*86
Bagasse	*19	*20	*20	*19	*19	*19
Vegetal waste	*72	*72	*72	*72	*72	*72
Total input	*521	*952	*995	*1037	*246	*177
Total production	*158	288	321	327	62	39
Estimated efficiency (% of production to input)	30	30	32	32	25	22

Statistics on electricity

Singapore

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	50341	51733	52401	53142	54552	53702
Combustible fuels	50272	51587	52226	52905	54142	53080
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	69	146	175	237	410	622
Main activity	47100	48212	48410	48409	50055	49041
Combustible fuels	47031	48066	48235	48172	49645	48419
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	69	146	175	237	410	622
Own use in electricity, CHP and heat plants	70	146	175	234	410	622
Net production	50271	51587	52225	52908	54142	53080
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2428	2431	2416	2303	2286	2285
Consumption	47514	48623	49638	50438	51713	50761
Energy industries own use	..	..	..	..	..	..
By industry and construction	20088	20418	21241	21417	21445	20957
By transport	2445	2639	2768	2950	3021	2810
By households and other cons.	24981	25565	25629	26072	27248	26993
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	13059	13445	13612	13614	12563	12021
Combustible fuels	13013	13348	13500	13500	12292	11692
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	46	97	112	115	271	329
Main activity	12641	13027	13043	13046	12011	11469
Combustible fuels	12595	12931	12931	12931	11740	11140
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	46	97	112	115	271	329
Combustible fuel input	Terajoules					
Hard Coal	10178	10853	12464	12347	11598	10484
Gas-diesel oil	43	1380	43	24	21	..
Fuel oil	1939	2424	4537	3543	2270	2424
Refinery gas	7821	3119	2822	2134	1303	1485
Natural gas	341574	350194	352198	355698	364197	360002
Bagasse	2654	2902	2851	3224	3115	2948
Municipal waste	25750	27436	26741	24811	25133	23346
Total input	389959	398307	401656	401780	407638	400688
Total production	180977	185712	188012	190458	194911	191088
Estimated efficiency (% of production to input)	46	47	47	47	48	48

Statistics on electricity

Sint Maarten (Dutch part)

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*360	*362	*300	*291	*296	265
Combustible fuels	*360	*362	*300	*291	*296	265
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*360	*362	*300	*291	*296	265
Combustible fuels	*360	*362	*300	*291	*296	265
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*360	*362	*300	*291	*296	265
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*11	*12	*10	*9	*9	*8
Consumption	336	342	*282	*270	*274	*257
Energy industries own use	..	..	..	..	..	..
By industry and construction	58	60	*49	*45	*42	*40
By transport	..	..	..	..	..	..
By households and other cons.	278	283	*233	*225	*232	*217
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	97	97	*88	*92	*96	99
Combustible fuels	97	97	*88	*92	*96	99
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	97	97	*88	*92	*96	99
Combustible fuels	97	97	*88	*92	*96	99
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Fuel oil	*3192	*3232	*2707	*2626	*2666	*2384
Total input	*3192	*3232	*2707	*2626	*2666	*2384
Total production	*1296	*1303	*1080	*1049	*1065	952
Estimated efficiency (% of production to input)	41	40	40	40	40	40

Statistics on electricity

Slovakia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	26903	27064	27738	26971	28434	28838
Combustible fuels	7008	7015	7367	7542	7953	7897
Hydro	4137	4606	4623	3879	4571	4799
Nuclear	15146	14774	15081	14843	15282	15444
Other	612	669	667	707	628	698
Main activity	23835	23980	24646	23456	25345	25772
Combustible fuels	4489	4542	4862	4650	5397	5435
Hydro	4052	4508	4523	3768	4451	4671
Nuclear	15146	14774	15081	14843	15282	15444
Other	148	156	180	195	215	222
Own use in electricity, CHP and heat plants	2145	2067	2046	2108	2068	2465
Net production	24758	24997	25692	24863	26366	26373
Imports	14999	13249	15563	12428	13538	13289
Exports	12611	10598	12535	8746	11838	12970
Losses	1363	1332	1263	1235	1699	1589
Consumption	25768	26300	27434	27276	26332	25082
Energy industries own use	1397	1313	1631	1341	1140	1269
By industry and construction	11605	12085	12356	12794	12246	10501
By transport	602	607	586	588	530	505
By households and other cons.	12164	12295	12861	12553	12416	12807
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7782	7742	7671	7625	7724	7707
Combustible fuels	2754	2710	2645	2651	2639	2652
Hydro	2522	2524	2523	2528	2527	2529
Nuclear	1940	1940	1940	1940	1940	1971
Other	566	568	563	506	618	555
Main activity	6658	6643	6595	6518	6523	6557
Combustible fuels	2119	2106	2012	1882	1873	1901
Hydro	2495	2493	2493	2496	2494	2496
Nuclear	1940	1940	1940	1940	1940	1971
Other	104	104	150	200	216	189
Combustible fuel input	Terajoules					
Hard Coal	14279	14739	17425	18353	11405	7219
Brown Coal	28042	31222	24380	22139	20421	18566
Biogas	4574	4991	5040	4977	4988	4340
Fuel oil	8201	9534	8646	2990	2949	2424
Natural gas	19379	18955	20306	21164	30255	35838
Blast furnace gas	1438	1328	1742	1882	1055	938
Fuelwood	*7284	*9237	*8936	*9202	*8122	*9202
Vegetal waste	*2872	*802	*797	*977	*904	*900
Municipal waste	1090	1236	1217	932	1198	1510
Black liquor	*5549	*5645	*5831	*5310	*4915	*5110
Others	2628	2066	2861	2091	1500	1462
Total input	95336	99755	97181	90017	87712	87508
Total production	25229	25254	26521	27151	28631	28429
Estimated efficiency (% of production to input)	26	25	27	30	33	32

Statistics on electricity

Slovenia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	15100	16500	16326	16327	16100	17191
Combustible fuels	5081	5730	5610	5397	5287	5239
Hydro	4091	4782	4141	4893	4683	5225
Nuclear	5648	5715	6285	5776	5821	6353
Other	280	273	290	261	309	374
Main activity	14412	15746	15595	15603	15331	16340
Combustible fuels	4813	5463	5344	5142	5026	4966
Hydro	3937	4555	3952	4672	4470	5007
Nuclear	5648	5715	6285	5776	5821	6353
Other	14	13	14	13	14	15
Own use in electricity, CHP and heat plants	913	954	929	885	875	901
Net production	14187	15546	15397	15442	15224	16290
Imports	9045	8359	9133	8930	9021	7120
Exports	9093	9535	9648	9432	9340	9123
Losses	864	876	893	880	858	849
Consumption	13275	13493	13988	14060	14047	13438
Energy industries own use	487	468	458	348	368	487
By industry and construction	6199	6234	6446	6499	6492	5973
By transport	152	166	233	233	231	210
By households and other cons.	6437	6625	6851	6980	6957	6768
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3358	3534	3617	3796	3832	3929
Combustible fuels	1133	1318	1332	1514	1512	1516
Hydro	1295	1293	1347	1344	1351	1352
Nuclear	688	688	688	688	688	688
Other	242	235	250	250	281	373
Main activity	2963	3146	3215	3393	3397	3400
Combustible fuels	1086	1272	1286	1467	1468	1471
Hydro	1179	1177	1231	1228	1230	1230
Nuclear	688	688	688	688	688	688
Other	10	9	10	10	11	11
Combustible fuel input	Terajoules					
Hard Coal	135	136	120	128	123	123
Brown Coal	42634	40630	45723	45515	42919	41651
Biogas	1163	1196	1024	957	875	1002
Gas-diesel oil	172	86	112	132	51	69
Fuel oil	0	..	..	..	..	..
Liquefied petroleum gas	..	..	49	63	63	42
Natural gas	3588	3638	4299	4300	4922	5441
Fuelwood	*1761	*1744	*1995	*1873	*2203	*2217
Industrial waste	330	357	375	409	364	410
Biodiesel	37	37	44	58	48	66
Total input	49819	47824	53742	53434	51567	51021
Total production	18292	20628	20198	19427	19032	18859
Estimated efficiency (% of production to input)	37	43	38	36	37	37

Statistics on electricity

Solomon Islands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	92	100	103	104	107	107
Combustible fuels	90	97	99	100	103	102
Hydro	0	1	1	1	1	*1
Nuclear	..	..	..	..	..	..
Other	2	2	3	3	3	*3
Main activity	88	96	99	101	104	103
Combustible fuels	86	93	95	97	99	99
Hydro	0	1	1	1	1	*1
Nuclear	..	..	..	..	..	..
Other	2	2	3	3	3	*3
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	92	100	103	104	107	107
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*9	*10	*13	*16	*18	*18
Consumption	*83	*90	90	88	88	*88
Energy industries own use	..	..	..	..	..	..
By industry and construction	*33	*35	*37	*39	*41	*40
By transport	..	..	..	..	..	..
By households and other cons.	*50	*54	53	49	48	*48
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*33	*34	*35	*35	*35	35
Combustible fuels	*32	*32	*32	*32	*32	32
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	2	3	3	3	3
Main activity	*32	*33	*34	*34	*34	34
Combustible fuels	*31	*31	*31	*31	*31	31
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	2	3	3	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	*1075	*1011	*998	*1015	*1027	*1026
Vegetal waste	*55	*55	*48	*35	*42	*37
Total input	*1130	*1066	*1046	*1050	*1069	*1063
Total production	323	348	356	360	370	368
Estimated efficiency (% of production to input)	29	33	34	34	35	35

Statistics on electricity

Somalia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	355	362	367	367	367	370
Combustible fuels	350	350	350	350	350	340
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	12	17	17	17	30
Main activity	355	362	367	367	367	370
Combustible fuels	350	350	350	350	350	340
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	12	17	17	17	30
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	355	362	367	367	367	370
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*37	*43	*47	*17	*16	*15
Consumption	*318	*319	*320	350	*351	*355
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*318	*319	*320	350	*351	*355
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	83	87	90	91	91	99
Combustible fuels	80	80	80	80	80	80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	7	10	11	11	19
Main activity	83	87	90	91	91	99
Combustible fuels	80	80	80	80	80	80
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	7	10	11	11	19
Combustible fuel input	Terajoules					
Gas-diesel oil	*4214	*4300	*4300	*4300	*4300	*4171
Total input	*4214	*4300	*4300	*4300	*4300	*4171
Total production	1260	1260	1260	1260	1260	1224
Estimated efficiency (% of production to input)	30	29	29	29	29	29

Statistics on electricity

South Africa

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	249655	255112	257769	256064	252639	239520
Combustible fuels	228825	228523	227635	228082	222163	212410
Hydro	3720	3947	5323	5694	5791	6239
Nuclear	12237	15913	15743	11580	13252	9903
Other	4873	6729	9068	10708	11433	10968
Main activity	233391	221756	237648	232803	228480	215192
Combustible fuels	217282	201654	216379	214919	208778	198478
Hydro	3607	3856	5183	5619	5748	6182
Nuclear	12237	15913	15743	11580	13252	9903
Other	265	333	343	685	702	629
Own use in electricity, CHP and heat plants	13938	18308	18601	13853	13438	13006
Net production	235717	236804	239168	242211	239201	226514
Imports	10328	9113	7321	8320	7823	9829
Exports	11343	16140	14423	14458	14482	13647
Losses	19895	16293	21086	22737	22904	25892
Consumption	210031	224196	222422	226730	209748	208295
Energy industries own use	16169	20457	19750	21307	22611	19149
By industry and construction	116575	108405	107106	108341	106661	98659
By transport	3463	3097	3329	3120	2884	2380
By households and other cons.	73824	92237	92237	93962	77592	88106
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*48168	*51889	*55432	*56205	*58683	*58882
Combustible fuels	*40581	*42581	*45497	*45497	*48380	*48380
Hydro	*2147	*3146	3479	3479	*3479	*3485
Nuclear	*1860	1860	1940	1940	1940	1940
Other	*3580	*4302	*4516	5289	4884	5077
Main activity	*42448	*43256	*48555	*48555	*51438	*51444
Combustible fuels	*38381	*38190	*43097	*43097	*45980	*45980
Hydro	*2107	*3106	3418	3418	*3418	*3424
Nuclear	*1860	1860	1940	1940	1940	1940
Other	*100	*100	100	*100	*100	*100
Combustible fuel input	Terajoules					
Hard Coal	2909903	2944013	2916848	2812029	2835362	2654246
Gas-diesel oil	1892	47541	381	1892	1844	1737
Fuel oil	..	..	..	..	2011	1778
Bagasse	4291	4291	4591	4736	4768	4604
Total input	2916086	2995845	2921820	2818657	2843985	2662365
Total production	823770	822683	819486	821095	799788	764677
Estimated efficiency (% of production to input)	28	27	28	29	28	29

Statistics on electricity

South Sudan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	578	521	542	548	557	558
Combustible fuels	576	519	539	538	546	547
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	3	10	11	11
Main activity	246	221	503	500	508	508
Combustible fuels	245	220	502	495	503	503
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	5	5	5
Own use in electricity, CHP and heat plants	18	16	15	15	15	15
Net production	560	505	527	533	542	543
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	27	24	24	22	22	22
Consumption	529	477	498	517	521	507
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	197	200	201	188
By transport	..	..	..	..	..	..
By households and other cons.	529	477	301	317	320	319
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*84	*84	*131	*131	*131	*131
Combustible fuels	*80	*80	*120	*120	*120	*120
Hydro	3	*3	*3	*3	*3	*3
Nuclear	..	..	..	..	..	..
Other	*1	*1	*8	*8	*8	*8
Main activity	*43	*43	*90	*90	*90	*90
Combustible fuels	*40	*40	*80	*80	*80	*80
Hydro	3	*3	*3	*3	*3	*3
Nuclear	..	..	..	..	..	..
Other	0	0	*7	*7	*7	*7
Combustible fuel input	Terajoules					
Motor gasoline	177	133	75	137	82	142
Gas-diesel oil	7826	5934	5547	6063	6152	6161
Total input	8003	6067	5622	6200	6234	6303
Total production	2074	1868	1941	1938	1966	1970
Estimated efficiency (% of production to input)	26	31	35	31	32	31

Statistics on electricity

Spain

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	280911	274772	275726	274452	273257	263373
Combustible fuels	128947	113618	133002	118149	117125	93778
Hydro	31368	39865	21070	36803	26874	33998
Nuclear	57196	58633	58039	55766	58349	58299
Other	63400	62656	63615	63734	70909	77298
Main activity	247365	240665	239591	236865	234941	227707
Combustible fuels	96474	80530	97587	81760	80066	59588
Hydro	30620	39062	20593	35894	25977	33026
Nuclear	57196	58633	58039	55766	58349	58299
Other	63075	62440	63372	63445	70549	76794
Own use in electricity, CHP and heat plants	11160	10428	10808	10625	9461	8782
Net production	269751	264344	264918	263827	263796	254591
Imports	14956	21845	23762	24018	18721	17928
Exports	15089	14178	14593	12916	11859	14649
Losses	26509	26720	23823	25596	24790	25631
Consumption	243065	244640	250149	248968	245190	231792
Energy industries own use	11027	12125	11048	10503	10661	12137
By industry and construction	76055	77899	81019	78659	75925	68885
By transport	3978	3902	3987	4046	3937	3335
By households and other cons.	152005	150714	154095	155760	154667	147435
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	106758	105945	103863	103740	109670	108421
Combustible fuels	49296	48400	46456	46011	45647	41719
Hydro	20053	20080	20079	20080	20114	20117
Nuclear	7399	7399	7117	7117	7117	7117
Other	30010	30066	30210	30532	36792	39468
Main activity	100200	99356	97254	97169	103187	101845
Combustible fuels	43169	42243	40299	39913	39668	35766
Hydro	19686	19711	19710	19711	19745	19748
Nuclear	7399	7399	7117	7117	7117	7117
Other	29946	30003	30127	30428	36657	39215
Combustible fuel input	Terajoules					
Hard Coal	481734	362042	443931	385792	132568	63826
Biogas	8450	8094	8417	8490	8276	8117
Gas-diesel oil	35432	32078	36077	37367	39130	36335
Fuel oil	69326	75467	76073	70862	64155	47995
Refinery gas	7277	4505	5792	6138	5297	5495
Natural gas	384257	376162	461908	417687	593612	496060
Blast furnace gas	11345	8924	10863	10685	9099	5412
Fuelwood	*37314	*35748	*38421	*36108	*34817	*40699
Vegetal waste	*12587	*12460	*13421	*12665	*12284	*14172
Municipal waste	20900	19226	21160	20926	21010	19378
Others	69680	52180	46894	34554	17264	9544
Total input	1138302	986886	1162957	1041274	937512	747033
Total production	464209	409025	478807	425336	421650	337601
Estimated efficiency (% of production to input)	41	41	41	41	45	45

Statistics on electricity

Sri Lanka

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13227	14363	15004	15985	16630	15801
Combustible fuels	6854	9721	10381	9072	11102	10260
Hydro	5969	4221	4039	6401	4812	4976
Nuclear	..	..	..	..	..	..
Other	404	422	583	513	716	565
Main activity	12046	13461	13821	14577	15396	14532
Combustible fuels	6796	9630	10296	8985	10984	10142
Hydro	4904	3482	3075	5169	3801	3929
Nuclear	..	..	..	..	..	..
Other	345	349	450	423	611	460
Own use in electricity, CHP and heat plants	561	633	336	612	539	757
Net production	12666	13730	14668	15374	16091	15044
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	925	997	1179	1407	1337	1496
Consumption	11741	12715	13489	14119	14738	14450
Energy industries own use	..	..	..	..	..	..
By industry and construction	3880	4149	4372	4598	4693	4452
By transport	..	..	..	..	..	..
By households and other cons.	7861	8566	9117	9521	10045	9998
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3948	4010	4094	4097	*4267	4457
Combustible fuels	2108	2088	2144	2069	*2182	*2182
Hydro	1684	1722	1720	1793	1809	1793
Nuclear	..	..	..	..	..	..
Other	156	200	230	236	*276	482
Main activity	3593	3598	3658	3615	*3733	*3917
Combustible fuels	2088	2064	2115	2037	*2148	*2148
Hydro	1377	1384	1364	1399	1399	1383
Nuclear	..	..	..	..	..	..
Other	128	150	179	179	186	386
Combustible fuel input	Terajoules					
Hard Coal	55099	58733	61151	58880	64737	68855
Gas-diesel oil	4240	16761	17535	7136	14542	8114
Fuel oil	12391	13227	19974	17130	25775	25775
Naphtha	6437	8010	9060	3071	5543	0
Bagasse	726	911	848	*1113	1488	*1467
Total input	78893	97643	108568	87328	112085	104211
Total production	24673	34995	37373	32660	39966	36935
Estimated efficiency (% of production to input)	31	36	34	37	36	35

Statistics on electricity

St. Helena and Depend.

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	11	12	11	12	12	11
Combustible fuels	8	8	9	8	9	8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	4	3	3
Main activity	11	12	11	12	12	11
Combustible fuels	8	8	9	8	9	8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	4	3	3
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	11	12	11	12	12	11
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*2	*2	*2	*1	*2	*2
Consumption	9	9	9	11	10	10
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	9	9	9	11	10	10
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	10	11	11	12	12	12
Combustible fuels	8	8	8	8	8	8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*3	3	*3	4	*4	*4
Main activity	10	11	11	12	12	12
Combustible fuels	8	8	8	8	8	8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*3	3	*3	4	*4	*4
Combustible fuel input	Terajoules					
Gas-diesel oil	72	67	*77	*69	*83	*81
Total input	72	67	*77	*69	*83	*81
Total production	29	30	31	28	33	30
Estimated efficiency (% of production to input)	41	45	40	41	39	37

Statistics on electricity

St. Kitts-Nevis

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*217	*228	229	*230	*232	*219
Combustible fuels	*207	*217	221	*221	*224	*210
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	10	11	8	9	9	9
Main activity	*216	*227	228	*229	*231	*218
Combustible fuels	*206	*216	220	*220	*223	*209
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	10	11	8	9	9	9
Own use in electricity, CHP and heat plants	*2	*2	2	*3	*3	*2
Net production	*215	*225	227	*227	*230	*217
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*31	*36	*45	*40	*40	*40
Consumption	*184	*189	*181	*187	*189	*177
Energy industries own use	..	..	..	..	..	..
By industry and construction	*37	*38	*36	*37	*37	*35
By transport	..	..	..	..	..	..
By households and other cons.	*147	*152	*145	*150	*152	*142
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	64	65	65	71	*71	*71
Combustible fuels	60	60	60	67	*67	*67
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	4	4	4	4
Main activity	60	61	61	67	*67	*67
Combustible fuels	56	56	56	63	*63	*63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	4	4	4	4
Combustible fuel input	Terajoules					
Gas-diesel oil	*2051	*2107	*2077	*2090	*2090	*1957
Total input	*2051	*2107	*2077	*2090	*2090	*1957
Total production	*746	*781	796	*796	*806	*757
Estimated efficiency (% of production to input)	36	37	38	38	39	39

Statistics on electricity

St. Lucia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	381	391	400	404	415	378
Combustible fuels	381	391	400	399	408	372
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	5	7	7
Main activity	381	391	400	404	415	378
Combustible fuels	381	391	400	399	408	372
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	5	7	7
Own use in electricity, CHP and heat plants	14	14	13	17	19	13
Net production	368	378	387	387	396	365
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	30	29	27	25	27	29
Consumption	338	348	360	362	369	336
Energy industries own use	..	..	..	..	..	..
By industry and construction	18	19	18	17	18	18
By transport	..	..	..	..	..	..
By households and other cons.	320	330	341	344	351	319
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	88	88	88	91	91	91
Combustible fuels	88	88	88	88	88	88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	3	3	3
Main activity	88	88	88	91	91	91
Combustible fuels	88	88	88	88	88	88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	3	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	3422	3513	3593	3593	3504	3157
Total input	3422	3513	3593	3593	3504	3157
Total production	1373	1409	1441	1437	1469	1338
Estimated efficiency (% of production to input)	40	40	40	40	42	42

Statistics on electricity

St. Pierre-Miquelon

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	49	48	49	51	52	51
Combustible fuels	49	48	49	51	52	51
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	..	..	..	..
Main activity	49	48	49	51	52	51
Combustible fuels	49	48	49	51	52	51
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	49	48	49	51	52	51
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	4	4	3	3	3	3
Consumption	44	45	46	47	49	49
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	44	45	46	47	49	49
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	25	25	25	26	26	26
Combustible fuels	25	25	25	26	26	26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	25	25	25	26	26	26
Combustible fuels	25	25	25	26	26	26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*500	*500	*499	*507	*525	*516
Total input	*500	*500	*499	*507	*525	*516
Total production	175	174	175	183	188	184
Estimated efficiency (% of production to input)	35	35	35	36	36	36

Statistics on electricity

St. Vincent-Grenadines

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	147	153	151	151	154	154
Combustible fuels	129	136	129	125	130	129
Hydro	17	16	20	24	22	22
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	3	3
Main activity	146	153	150	150	153	152
Combustible fuels	129	136	129	125	130	129
Hydro	17	16	20	24	22	22
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	2	1
Own use in electricity, CHP and heat plants	5	5	5	5	5	5
Net production	142	149	146	146	149	149
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*9	*11	*10	*11	*11	*10
Consumption	133	138	136	135	138	139
Energy industries own use	..	..	..	..	..	..
By industry and construction	7	7	7	7	7	7
By transport	..	..	..	..	..	..
By households and other cons.	125	131	129	128	131	132
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	53	53	48	46	48	54
Combustible fuels	46	46	41	38	40	44
Hydro	6	6	6	6	6	6
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	2	4
Main activity	53	53	48	45	48	52
Combustible fuels	46	46	41	38	40	44
Hydro	6	6	6	6	6	6
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	2	2
Combustible fuel input	Terajoules					
Gas-diesel oil	1228	1306	1227	1190	*1299	*1349
Total input	1228	1306	1227	1190	*1299	*1349
Total production	463	490	464	450	467	465
Estimated efficiency (% of production to input)	38	38	38	38	36	34

Statistics on electricity

State of Palestine

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	515	537	546	420	811	840
Combustible fuels	506	495	501	360	691	662
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	43	45	60	120	178
Main activity	360	360	392	284	651	677
Combustible fuels	355	339	369	254	591	588
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	21	23	30	60	89
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	515	537	546	420	811	840
Imports	5413	5473	5577	5916	6249	6519
Exports	..	..	..	..	..	..
Losses	711	721	735	760	847	883
Consumption	5216	5289	5388	5576	6213	6476
Energy industries own use	..	..	..	..	..	..
By industry and construction	576	584	648	715	686	544
By transport	..	..	..	..	..	..
By households and other cons.	4640	4705	4740	4861	5528	5932
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	172	185	190	200	240	278
Combustible fuels	160	160	160	160	160	160
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	12	25	30	40	80	118
Main activity	146	153	155	160	180	199
Combustible fuels	140	140	140	140	140	140
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	13	15	20	40	59
Combustible fuel input	Terajoules					
Motor gasoline	443	403	279	235	222	106
Gas-diesel oil	3939	4094	4670	3040	6050	5796
Total input	4382	4497	4949	3275	6272	5903
Total production	1820	1780	1803	1297	2489	2382
Estimated efficiency (% of production to input)	42	40	36	40	40	40

Statistics on electricity

Sudan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13171	14567	15692	16398	16814	*16758
Combustible fuels	4738	6498	6325	6721	6583	*6686
Hydro	8420	8051	9347	9657	10210	*10051
Nuclear	..	..	..	..	..	..
Other	13	18	20	21	21	*21
Main activity	13060	14447	15562	16277	16705	*16651
Combustible fuels	4627	6378	6195	6599	6474	*6579
Hydro	8420	8051	9347	9657	10210	*10051
Nuclear	..	..	..	..	..	..
Other	13	18	20	21	21	*21
Own use in electricity, CHP and heat plants	138	191	274	478	200	*305
Net production	13033	14376	15418	15920	16614	*16453
Imports	129	439	891	808	*207	727
Exports	5	6	..	..	..	..
Losses	2870	3030	3140	3028	*3594	*3580
Consumption	10580	11799	12961	13700	*14038	*13711
Energy industries own use	..	..	..	..	..	..
By industry and construction	1512	1794	2003	1795	*1517	*1494
By transport	..	..	..	..	..	..
By households and other cons.	9068	10005	10958	11905	*12521	*12217
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3321	3563	3802	3979	3937	3944
Combustible fuels	1717	1944	2013	2013	*1944	*1944
Hydro	1593	1593	1753	1907	1913	1883
Nuclear	..	..	..	..	..	..
Other	11	26	36	59	80	117
Main activity	3131	3364	3603	3780	3738	3745
Combustible fuels	1527	1745	1814	1814	*1745	*1745
Hydro	1593	1593	1753	1907	1913	1883
Nuclear	..	..	..	..	..	..
Other	11	26	36	59	80	117
Combustible fuel input	Terajoules					
Crude oil	*23265	*31725	*31725	31725	*31725	*31725
Gas-diesel oil	*30272	*31863	*39345	*39345	*39345	*39345
Bagasse	*2000	*1977	*2100	*2131	*1961	*1931
Total input	*55537	*65565	*73170	*73201	*73031	*73001
Total production	17057	23393	22769	24194	23699	*24070
Estimated efficiency (% of production to input)	31	36	31	33	32	33

Statistics on electricity

Suriname

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	2088	1819	1805	1792	1868	1727
Combustible fuels	1378	1027	871	782	906	1043
Hydro	702	783	926	1000	952	674
Nuclear	..	..	..	..	..	..
Other	9	9	9	10	10	*10
Main activity	766	595	453	352	397	481
Combustible fuels	757	586	444	342	387	471
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	9	9	10	10	*10
Own use in electricity, CHP and heat plants	75	269	265	258	247	223
Net production	2014	1550	1540	1534	1621	1504
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	242	185	193	187	192	150
Consumption	1886	1365	1347	1347	1430	1354
Energy industries own use	..	..	..	..	..	..
By industry and construction	693	276	280	268	299	445
By transport	..	..	..	..	..	..
By households and other cons.	1194	1089	1067	1079	1131	909
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	502	481	502	505	503	490
Combustible fuels	307	286	307	309	316	302
Hydro	189	189	189	189	180	180
Nuclear	..	..	..	..	..	..
Other	6	6	6	7	7	8
Main activity	190	196	217	220	227	214
Combustible fuels	184	190	211	213	220	206
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	6	7	7	8
Combustible fuel input	Terajoules					
Gas-diesel oil	753	674	690	676	1111	677
Fuel oil	13866	*10302	*8686	*7716	*8565	*10423
Natural gas	152	136	136	195	232	230
Total input	14771	*11112	*9512	*8587	*9908	*11330
Total production	4960	3696	3134	2815	3262	3756
Estimated efficiency (% of production to input)	34	33	33	33	33	33

Statistics on electricity

Sweden

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	162112	156010	164250	163400	168439	163833
Combustible fuels	13906	15150	15547	15571	16390	13618
Hydro	75439	62137	65168	62250	65393	72440
Nuclear	56348	63101	65696	68549	66130	49198
Other	16419	15622	17839	17030	20526	28577
Main activity	156285	150272	158035	157261	161475	157224
Combustible fuels	8090	9423	9344	9443	9431	7009
Hydro	75428	62126	65156	62239	65388	72440
Nuclear	56348	63101	65696	68549	66130	49198
Other	16419	15622	17839	17030	20526	28577
Own use in electricity, CHP and heat plants	3067	3479	3724	3723	2794	2919
Net production	159045	152531	160526	159677	165645	160914
Imports	9294	14287	11896	12202	9070	11827
Exports	31894	26022	30888	29425	35231	36824
Losses	6988	8569	9495	10537	10842	8634
Consumption	127983	130784	130495	130629	127404	125751
Energy industries own use	3124	3288	3241	3067	2846	2654
By industry and construction	50281	50289	50939	50719	49478	47479
By transport	2595	2664	2476	2573	2738	2757
By households and other cons.	71983	74543	73839	74270	72342	72861
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	40885	41511	39798	41223	42824	43672
Combustible fuels	8945	8689	7442	8408	8343	8406
Hydro	16329	16466	16502	16431	16462	16406
Nuclear	9688	9768	8999	8656	8624	7777
Other	5923	6588	6855	7728	9395	11083
Main activity	39683	40305	38513	39775	41413	42286
Combustible fuels	7751	7495	6175	6978	6950	7020
Hydro	16321	16454	16484	16413	16444	16406
Nuclear	9688	9768	8999	8656	8624	7777
Other	5923	6588	6855	7728	9395	11083
Combustible fuel input	Terajoules					
Peat	4441	4870	4626	7239	4827	2291
Gas-diesel oil	1376	1892	1075	1634	1720	1032
Fuel oil	1454	2707	1656	2060	889	687
Natural gas	8082	11451	4724	6769	4968	1484
Coke-oven gas	852	471	701	591	597	731
Blast furnace gas	5435	5608	6833	7167	6031	6322
Fuelwood	*124449	*135091	*143783	*142651	*153866	*134387
Municipal waste	58887	61789	65148	60846	64100	70350
Industrial waste	749	746	748	755	744	564
Other recovered gases	1542	1951	1992	1891	1351	1625
Others	8870	6532	7517	7790	5137	609
Total input	*216138	*233108	*238804	*239394	*244229	*220082
Total production	50062	54540	55969	56056	59004	49025
Estimated efficiency (% of production to input)	23	23	23	23	24	22

Statistics on electricity

Switzerland

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	67681	63163	63089	69109	73471	71638
Combustible fuels	3482	3886	3864	3727	3768	3847
Hydro	39881	36689	37033	37802	40962	41022
Nuclear	23089	21146	20376	25513	26418	24025
Other	1229	1442	1816	2067	2324	2744
Main activity	60626	55986	55592	61145	65258	63004
Combustible fuels	426	681	662	596	616	666
Hydro	37001	34050	34421	34915	38079	38168
Nuclear	23089	21146	20376	25513	26418	24025
Other	110	109	133	122	146	145
Own use in electricity, CHP and heat plants	1563	1469	1437	1659	1732	1633
Net production	66118	61694	61652	67450	71739	70005
Imports	34033	34096	36496	31020	29505	26988
Exports	35068	30173	30946	32607	35765	32548
Losses	4540	4456	4559	4228	4149	4272
Consumption	60535	61152	62631	61632	61330	60173
Energy industries own use	2296	2922	4160	3987	4133	4459
By industry and construction	17989	17761	17897	17311	17269	16686
By transport	3136	3200	3150	3089	3042	2800
By households and other cons.	37114	37269	37424	37245	36886	36228
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	19618	20839	21614	22063	22422	22941
Combustible fuels	1016	961	946	940	942	954
Hydro	13815	14806	15354	15542	15574	15594
Nuclear	3333	3333	3333	3333	3333	3333
Other	1454	1739	1981	2248	2573	3061
Main activity	16957	17736	18286	18456	18512	18430
Combustible fuels	260	217	257	257	259	268
Hydro	13304	14111	14621	14791	14845	14742
Nuclear	3333	3333	3333	3333	3333	3333
Other	60	75	75	75	75	87
Combustible fuel input	Terajoules					
Biogas	1979	2140	2235	2230	2376	2573
Gas-diesel oil	258	215	293	215	276	247
Fuel oil	..	..	2	..	..	2
Liquefied petroleum gas	47	47	25	17	17	10
Natural gas	4454	6576	5568	4927	5399	5067
Fuelwood	*4944	*5551	*6656	*6312	*7686	*8149
Municipal waste	42832	44554	45189	45500	45902	46077
Industrial waste	1147	834	1034	1189	1232	983
Total input	55661	59917	61001	60392	62888	63107
Total production	12535	13990	13912	13417	13565	13849
Estimated efficiency (% of production to input)	23	23	23	22	22	22

Statistics on electricity

Syrian Arab Republic

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17982	18136	18288	18286	17648	16365
Combustible fuels	17569	17207	17534	17532	16894	15611
Hydro	413	929	754	754	754	754
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	17383	17556	17695	17538	17006	15779
Combustible fuels	16970	16627	16941	16784	16252	15025
Hydro	413	929	754	754	754	754
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2055	2073	2090	2090	2017	1871
Net production	15927	16063	16198	16196	15631	14495
Imports	..	..	..	..	..	..
Exports	262	67	543	543	347	317
Losses	3790	3865	3796	3795	3701	3433
Consumption	12947	13202	12965	12964	12641	11726
Energy industries own use	..	..	..	..	..	..
By industry and construction	4355	4441	4361	4361	4252	3944
By transport	..	..	..	..	..	..
By households and other cons.	8592	8761	8604	8603	8389	7781
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*9123	9687	*9691	10059	10060	*10060
Combustible fuels	*7550	8192	*8199	8567	8567	*8567
Hydro	1572	1494	1490	1490	1490	1490
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	3	3
Main activity	*8028	8775	*8779	9087	9088	*9088
Combustible fuels	*6455	7280	*7287	7595	7595	*7595
Hydro	1572	1494	1490	1490	1490	1490
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	3	3
Combustible fuel input	Terajoules					
Gas-diesel oil	10707	10363	10601	13372	11484	10482
Fuel oil	49288	63590	69407	69407	69407	69407
Natural gas	132663	115694	114151	113534	108907	95640
Total input	192658	189647	194160	196313	189797	175530
Total production	63248	61945	63123	63115	60819	56200
Estimated efficiency (% of production to input)	33	33	33	32	32	32

Statistics on electricity

Tajikistan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17162	17232	18144	19743	20957	20101
Combustible fuels	302	608	1011	1348	1788	1987
Hydro	16860	16624	17133	18395	19169	18114
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	17162	17232	18144	19743	20957	20101
Combustible fuels	302	608	1011	1348	1788	1987
Hydro	16860	16624	17133	18395	19169	18114
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	25	36	229	205	775	1008
Net production	17137	17196	17915	19538	20182	19093
Imports	63	103	110	559	281	311
Exports	1400	1427	1421	2945	3175	1870
Losses	2700	2746	*2873	*2968	2429	2549
Consumption	12511	12986	13842	13890	14167	14965
Energy industries own use	65	64	68	..	..	..
By industry and construction	4186	4758	4428	*3438	3464	2346
By transport	50	72	30	7	*8	*8
By households and other cons.	8210	8092	9316	10445	10695	12611
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6283	6577	*6577	*6577	6451	6626
Combustible fuels	422	719	*719	*719	718	718
Hydro	5861	5858	*5858	*5858	5733	5908
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	6283	6577	*6577	*6577	6451	6626
Combustible fuels	422	719	*719	*719	718	718
Hydro	5861	5858	*5858	*5858	5733	5908
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	3047	*4515	10268	15785	17280	19482
Natural gas	..	..	..	..	*4344	*4813
Total input	3047	*4515	10268	15785	21624	24295
Total production	1087	2189	3640	4853	6437	7153
Estimated efficiency (% of production to input)	36	48	35	31	30	29

Statistics on electricity

Thailand

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	177227	188265	181940	182288	190681	188870
Combustible fuels	170641	180891	171453	168326	175418	176452
Hydro	3878	3651	4833	7783	6446	4656
Nuclear	..	..	..	..	..	..
Other	2708	3723	5654	6179	8818	7761
Main activity	141436	136455	126251	118161	121749	188870
Combustible fuels	136947	132074	119793	108237	111059	176452
Hydro	3850	3632	4811	7745	6411	4656
Nuclear	..	..	..	..	..	..
Other	639	749	1648	2178	4279	7761
Own use in electricity, CHP and heat plants	3338	3300	3051	2824	2932	3268
Net production	173889	184965	178889	179464	187749	185602
Imports	14414	19825	24427	26669	25547	29551
Exports	2267	1436	1106	1093	2882	2611
Losses	11782	12225	11920	12904	13286	12973
Consumption	174053	184960	185369	188048	193176	196706
Energy industries own use	..	..	..	..	..	..
By industry and construction	83982	88878	87772	87829	86104	75218
By transport	108	113	245	216	215	218
By households and other cons.	89963	95969	97352	100003	106857	121270
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	40898	43147	44024	45179	45260	49550
Combustible fuels	33770	34721	35226	35426	35082	41959
Hydro	3469	3467	3467	*3682	*3682	3106
Nuclear	..	..	..	..	..	..
Other	*3659	*4958	*5330	*6071	*6495	4485
Main activity	24116	26183	27060	28215	28296	49550
Combustible fuels	19003	19772	20277	20477	20133	41959
Hydro	3454	3452	3452	*3667	*3667	3106
Nuclear	..	..	..	..	..	..
Other	*1659	*2958	*3330	*4071	*4495	4485
Combustible fuel input	Terajoules					
Hard Coal	216529	220617	206690	226974	213179	172091
Brown Coal	155355	174281	168344	150121	145137	138709
Biogas	8832	8282	10987	24932	27594	21855
Gas-diesel oil	2064	2537	1628	1480	1480	1092
Fuel oil	9373	5616	1890	608	987	1153
Natural gas	1075488	1053538	1022823	1008529	1051037	1023106
Bagasse	*129137	*155836	*150652	*209211	*223288	*180326
Vegetal waste	*99200	*209535	*182864	*146047	*159116	*10950
Municipal waste	5789	1225	1521	2831	4310	1249
Black liquor	*9947	*9291	*12581	*21121	*19843	*17229
Total input	1711714	1840758	1759981	1791853	1845971	1567761
Total production	614308	651208	617230	605974	631504	635228
Estimated efficiency (% of production to input)	36	35	35	34	34	41

Statistics on electricity

Timor-Leste

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	353	415	430	453	518	505
Combustible fuels	350	413	427	450	515	503
Hydro	2	2	2	2	2	2
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	*1	1
Main activity	353	415	430	453	518	505
Combustible fuels	350	413	427	450	515	503
Hydro	2	2	2	2	2	2
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	*1	1
Own use in electricity, CHP and heat plants	23	22	23	27	30	35
Net production	329	393	406	425	487	470
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*75	*80	*85	*90	*103	*100
Consumption	254	313	321	335	384	370
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	254	313	321	335	384	370
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	283	283	283	283	283	284
Combustible fuels	283	283	283	283	283	283
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Main activity	283	283	283	283	283	284
Combustible fuels	283	283	283	283	283	283
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*2890	2387	3523	2861	4236	4054
Total input	*2890	2387	3523	2861	4236	4054
Total production	1261	1485	1538	1622	1855	1809
Estimated efficiency (% of production to input)	44	62	44	57	44	45

Statistics on electricity

Togo

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	444	950	804	588	718	699
Combustible fuels	383	742	595	389	476	547
Hydro	61	208	207	196	236	144
Nuclear	..	..	..	..	..	..
Other	..	..	3	3	6	8
Main activity	432	937	798	581	706	688
Combustible fuels	371	729	591	385	469	543
Hydro	61	208	207	196	236	144
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	1
Own use in electricity, CHP and heat plants	16	26	50	15	19	18
Net production	428	924	754	573	700	681
Imports	857	448	846	1076	837	815
Exports	..	..	104	192	118	..
Losses	184	188	171	197	98	95
Consumption	1138	1185	1322	1239	1328	1378
Energy industries own use	..	..	..	..	..	..
By industry and construction	387	413	630	604	628	642
By transport	..	..	..	..	..	..
By households and other cons.	751	772	692	635	701	737
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	227	213	227	227	230	*257
Combustible fuels	160	158	158	157	158	*185
Hydro	67	55	67	67	67	67
Nuclear	..	..	..	..	..	..
Other	..	..	3	4	5	5
Main activity	219	205	217	216	217	*244
Combustible fuels	152	150	150	149	150	*177
Hydro	67	55	67	67	67	67
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	559	129	258	172	168	86
Fuel oil	1397	5239	3621	1316	14	439
Natural gas	1467	262	1482	1767	3876	3921
Fuelwood	..	..	..	..	43	53
Vegetal waste	29	29	..	..	..	..
Total input	3452	5659	5361	3254	4102	4500
Total production	1380	2671	2141	1400	1713	1970
Estimated efficiency (% of production to input)	40	47	40	43	42	44

Statistics on electricity

Tonga

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	55	60	67	66	71	73
Combustible fuels	52	55	61	62	64	64
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	5	5	4	6	9
Main activity	55	60	67	66	71	73
Combustible fuels	52	55	61	62	64	64
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	5	5	4	6	9
Own use in electricity, CHP and heat plants	1	2	2	2	2	2
Net production	54	58	65	64	69	71
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	5	6	6	6	6
Consumption	*49	*53	*59	*58	*63	*65
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*49	*53	*59	*58	*63	*65
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*17	20	24	24	25	*25
Combustible fuels	*15	17	18	18	18	*18
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*2	2	6	6	7	8
Main activity	*17	20	24	24	25	*25
Combustible fuels	*15	17	18	18	18	*18
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*2	2	6	6	7	8
Combustible fuel input	Terajoules					
Fuel oil	487	*518	*542	*594	602	610
Total input	487	*518	*542	*594	602	610
Total production	188	199	221	221	231	230
Estimated efficiency (% of production to input)	39	38	41	37	38	38

Statistics on electricity

Trinidad and Tobago

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9570	9419	9323	9225	9188	9225
Combustible fuels	9564	9413	9318	9220	9183	9220
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	6	5	5	5
Main activity	9485	9337	9241	9149	9112	9149
Combustible fuels	9479	9331	9236	9144	9108	9144
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	6	5	5	5
Own use in electricity, CHP and heat plants	348	343	339	336	335	336
Net production	9222	9076	8984	8889	8853	8889
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	248	253	275	426	424	423
Consumption	8974	8823	8709	8463	8429	8463
Energy industries own use	..	..	..	..	..	..
By industry and construction	5425	5334	5265	5116	5096	5116
By transport	..	..	..	..	..	..
By households and other cons.	3549	3489	3444	3347	3333	3347
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2502	2505	2509	2156	2118	2517
Combustible fuels	2499	2502	2506	2153	2115	2513
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	4
Main activity	2405	2405	2405	2049	2022	2421
Combustible fuels	2402	2402	2402	2046	2019	2417
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	4
Combustible fuel input	Terajoules					
Gas-diesel oil	215	301	294	300	317	318
Other oil products	80	201	158	..	..	..
Natural gas	118721	109361	101416	97392	102221	95641
Total input	119016	109863	101868	97692	102538	95958
Total production	34430	33887	33543	33193	33060	33193
Estimated efficiency (% of production to input)	29	31	33	34	32	35

Statistics on electricity

Tunisia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	19676	19808	20589	21012	22140	21633
Combustible fuels	18904	19002	19758	20085	21038	20572
Hydro	69	45	17	17	66	46
Nuclear	..	..	..	..	..	..
Other	703	761	814	910	1036	1015
Main activity	18691	18634	19402	19545	20549	20039
Combustible fuels	18174	18115	18936	19075	19983	19527
Hydro	69	45	17	17	66	46
Nuclear	..	..	..	..	..	..
Other	448	474	449	453	500	465
Own use in electricity, CHP and heat plants	559	492	428	457	471	461
Net production	19117	19316	20161	20555	21669	21172
Imports	403	134	450	382	472	369
Exports	500	255	483	484	631	969
Losses	3166	3052	3507	3584	3641	3725
Consumption	16377	16001	16542	16879	17821	16803
Energy industries own use	940	432	429	375	391	350
By industry and construction	5478	5423	5389	5737	5743	5288
By transport	94	96	94	99	94	82
By households and other cons.	9865	10050	10630	10668	11593	11083
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4976	5240	5085	4840	5926	6249
Combustible fuels	4649	4901	4734	4474	5539	5820
Hydro	62	62	62	62	62	62
Nuclear	..	..	..	..	..	..
Other	265	277	289	304	325	367
Main activity	4753	5005	4838	4578	5653	5934
Combustible fuels	4451	4703	4536	4276	5341	5622
Hydro	62	62	62	62	62	62
Nuclear	..	..	..	..	..	..
Other	240	240	240	240	250	250
Combustible fuel input	Terajoules					
Gas-diesel oil	146	86	37	32	29	232
Fuel oil	9534	687	727	808	549	492
Natural gas	167766	169416	173384	176826	185286	180310
Total input	177447	170189	174149	177666	185864	181034
Total production	68054	68407	71129	72306	75737	74059
Estimated efficiency (% of production to input)	38	40	41	41	41	41

Statistics on electricity

Türkiye

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	261783	274408	297278	304802	303898	306703
Combustible fuels	178871	185085	211290	208733	174041	181526
Hydro	67146	67231	58218	59938	88823	78094
Nuclear	..	..	..	..	..	..
Other	15766	22092	27769	36130	41034	47083
Main activity	243163	253746	276993	284884	280964	281027
Combustible fuels	161979	166450	193609	192399	155443	160684
Hydro	65924	66386	57252	58865	87540	77068
Nuclear	..	..	..	..	..	..
Other	15260	20910	26133	33620	37980	43274
Own use in electricity, CHP and heat plants	11883	12471	13020	14300	14762	14039
Net production	249900	261937	284258	290502	289136	292664
Imports	7136	6330	2728	2477	2212	1890
Exports	3195	1452	3304	3112	2789	2484
Losses	36528	35611	34659	31635	31285	29368
Consumption	217313	231204	249023	258232	257273	262702
Energy industries own use	2812	3137	3267	3298	4066	3977
By industry and construction	100723	105160	113215	114414	111610	116050
By transport	1062	1156	1247	1350	1578	1436
By households and other cons.	112716	121751	131293	139170	140020	141239
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	73147	78497	85200	88551	91267	95891
Combustible fuels	41810	44278	46762	46712	47284	47396
Hydro	25868	26681	27273	28291	28503	30984
Nuclear	..	..	..	..	..	..
Other	5469	7538	11165	13548	15480	17510
Main activity	68694	73220	79011	82113	83679	87817
Combustible fuels	37999	40055	42345	42262	42062	42113
Hydro	25324	26131	26722	27740	27951	30426
Nuclear	..	..	..	..	..	..
Other	5371	7034	9944	12112	13666	15278
Combustible fuel input	Terajoules					
Hard Coal	423837	479342	518543	612465	609747	617633
Brown Coal	431698	518993	550750	587461	617324	499674
Biogas	11119	14721	17569	20496	24824	28029
Fuel oil	10585	10342	5010	2815	3738	4395
Natural gas	763792	684008	805752	662079	425807	516229
Coke-oven gas	9296	8328	10686	11457	9757	9488
Blast furnace gas	22876	23748	25637	21013	20009	20297
Fuelwood	*556	*986	*3288	*6269	*11765	*20367
Municipal waste	..	..	..	171	436	364
Other liquid biofuels	..	..	12	27	180	284
Others	11037	9162	7520	2262	247	220
Total input	1684796	1749630	1944765	1926516	1723833	1716981
Total production	643936	666306	760644	751440	626548	653493
Estimated efficiency (% of production to input)	38	38	39	39	36	38

Statistics on electricity

Turkmenistan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	22534	22534	22534	22534	22534	22534
Combustible fuels	22531	22531	22531	22531	22531	22531
Hydro	3	3	3	3	3	3
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	22534	22534	22534	22534	22534	22534
Combustible fuels	22531	22531	22531	22531	22531	22531
Hydro	3	3	3	3	3	3
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1703	1703	1703	1703	1703	1703
Net production	20831	20831	20831	20831	20831	20831
Imports	..	..	..	..	..	..
Exports	3201	3201	3201	3201	3201	3201
Losses	2892	2892	2892	2892	2892	2892
Consumption	14738	14738	14738	14738	14738	14738
Energy industries own use	2262	2262	2262	2262	2262	2262
By industry and construction	4502	4502	4502	4502	4502	4502
By transport	324	324	324	324	324	324
By households and other cons.	7650	7650	7650	7650	7650	7650
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*4401	4675	5201	5201	*5201	*5202
Combustible fuels	*4400	4674	5200	5200	*5200	*5200
Hydro	1	1	1	1	1	2
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*4401	4675	5201	5201	*5201	*5202
Combustible fuels	*4400	4674	5200	5200	*5200	*5200
Hydro	1	1	1	1	1	2
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Natural gas	325315	325315	325313	325313	325313	325313
Total input	325315	325315	325313	325313	325313	325313
Total production	81112	81112	81111	81111	81111	81111
Estimated efficiency (% of production to input)	25	25	25	25	25	25

Statistics on electricity

Turks and Caicos Islands

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*230	*245	*293	*258	*261	*256
Combustible fuels	*230	*245	*293	*257	*260	*255
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	*1
Main activity	*230	*245	*293	*258	*261	*256
Combustible fuels	*230	*245	*293	*257	*260	*255
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	*1
Own use in electricity, CHP and heat plants	*3	*5	*3	*9	*7	*7
Net production	*227	*240	*290	*249	*254	*249
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*13	*15	*10	*13	*13	*13
Consumption	*215	230	284	237	*241	*237
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*215	230	284	237	*241	*237
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	82	82	82	84	91	91
Combustible fuels	82	82	82	84	90	90
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	1	1
Main activity	82	82	82	84	91	91
Combustible fuels	82	82	82	84	90	90
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*2494	*2580	*2666	*2774	*2855	*2817
Total input	*2494	*2580	*2666	*2774	*2855	*2817
Total production	*828	*882	*1055	*925	*935	*918
Estimated efficiency (% of production to input)	33	34	40	33	33	33

Statistics on electricity

Tuvalu

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*7	8	8	*8	*9	*9
Combustible fuels	*6	6	6	*6	*7	*7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	*2
Main activity	*7	8	8	*8	*9	*9
Combustible fuels	*6	6	6	*6	*7	*7
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	*2
Own use in electricity, CHP and heat plants	*1	1	1	*1	*1	*1
Net production	*6	7	7	*8	*8	*8
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1	*1	*1	*1	*1	*1
Consumption	6	7	7	*7	*7	*7
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	6	7	7	*7	*7	*7
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*5	*5	*5	5	*5	*5
Combustible fuels	*3	*3	*3	3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	*3
Main activity	*5	*5	*5	5	*5	*5
Combustible fuels	*3	*3	*3	3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	*3
Combustible fuel input	Terajoules					
Gas-diesel oil	61	59	62	*73	*73	*69
Total input	61	59	62	*73	*73	*69
Total production	*22	22	23	*23	*24	*24
Estimated efficiency (% of production to input)	36	38	36	32	33	35

Statistics on electricity

Uganda

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	3300	3508	3854	4040	4364	*4445
Combustible fuels	247	244	381	405	300	246
Hydro	3052	3261	3447	3602	3986	*4081
Nuclear	..	..	..	..	..	..
Other	..	4	25	32	78	118
Main activity	2819	3037	3440	3389	3687	*3765
Combustible fuels	73	66	231	199	103	58
Hydro	2745	2967	3183	3158	3506	*3590
Nuclear	..	..	..	..	..	..
Other	..	4	25	32	78	118
Own use in electricity, CHP and heat plants	0	0	0	0	12	*43
Net production	3300	3508	3854	4040	4352	*4402
Imports	49	54	65	84	104	21
Exports	122	165	317	233	299	222
Losses	713	765	755	789	814	768
Consumption	2487	2594	2802	3067	3233	3269
Energy industries own use	..	..	..	..	..	..
By industry and construction	1581	1664	1805	2012	2163	2178
By transport	..	..	..	..	..	..
By households and other cons.	906	930	997	1055	1070	1091
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	861	872	912	984	1255	1270
Combustible fuels	166	166	178	198	199	197
Hydro	695	695	712	744	1004	1011
Nuclear	..	..	..	..	..	..
Other	..	11	22	42	52	62
Main activity	732	742	752	772	1007	1023
Combustible fuels	102	102	102	102	102	101
Hydro	630	630	630	630	855	862
Nuclear	..	..	..	..	..	..
Other	..	11	21	41	51	61
Combustible fuel input	Terajoules					
Gas-diesel oil	43	..	..	..	..	..
Fuel oil	723	*1030	*3515	3015	978	634
Bagasse	*3305	*3614	*3050	*4255	*4726	*3737
Total input	*4072	*4644	*6565	*7269	*5704	*4372
Total production	890	878	1371	1459	1079	887
Estimated efficiency (% of production to input)	22	19	21	20	19	20

Statistics on electricity

Ukraine

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	163682	164573	156037	159833	154141	146993
Combustible fuels	67523	72795	58173	61104	58201	55258
Hydro	6971	9304	10520	12007	7855	7487
Nuclear	87627	80950	85576	84398	83003	76203
Other	1561	1524	1768	2324	5082	8045
Main activity	161468	158806	152061	157175	151880	143665
Combustible fuels	65328	67136	54274	58493	56077	52097
Hydro	6954	9281	10516	12005	7855	7487
Nuclear	87627	80950	85576	84398	83003	76203
Other	1559	1439	1695	2279	4944	7878
Own use in electricity, CHP and heat plants	13032	12684	11131	12740	11608	9796
Net production	150650	151889	144906	147093	142533	137197
Imports	2241	77	50	32	2238	2720
Exports	3591	3830	5226	6099	6283	5139
Losses	17442	16626	16787	16996	16434	15445
Consumption	126024	125257	122943	124030	121566	118509
Energy industries own use	7035	7817	5577	5377	4877	4999
By industry and construction	49963	49941	50235	51727	48592	45888
By transport	6807	6796	7044	6951	6603	5713
By households and other cons.	62219	60703	60087	59975	61494	61910
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	55904	57335	52764	51508	51444	*56982
Combustible fuels	35335	36475	31492	29753	28535	*28539
Hydro	5883	6172	6213	6243	6325	*6325
Nuclear	13835	13835	13835	13835	13835	*13385
Other	851	853	1224	1677	2749	*8733
Main activity	53145	53866	50499	49369	49273	*54776
Combustible fuels	32584	33013	29265	27662	26464	*26464
Hydro	5878	6167	6206	6238	6325	*6325
Nuclear	13835	13835	13835	13835	13835	*13385
Other	848	851	1193	1634	2649	*8602
Combustible fuel input	Terajoules					
Hard Coal	691875	739606	596334	634191	584784	486913
Biogas	161	596	865	1565	1768	3622
Gas-diesel oil	215	301	430	559	387	430
Fuel oil	11029	24280	21210	6989	1899	2101
Other oil products	804	1005	925	4543	4273	1005
Natural gas	169205	157126	145990	178481	165157	197829
Coke-oven gas	6939	9809	14391	15911	14515	16884
Blast furnace gas	18013	25568	26744	28839	24685	23428
Fuelwood	8651	0	0	0	0	6889
Peat products	127	176	195	156	88	117
Others	9677	1401	47	47	24	17
Total input	916695	959868	807131	871281	797580	739234
Total production	243083	262062	209423	219974	209524	198928
Estimated efficiency (% of production to input)	27	27	26	25	26	27

Statistics on electricity

United Arab Emirates

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*127383	*129613	*134569	*136014	*138454	*137310
Combustible fuels	*127092	*129304	*133835	*134711	*134674	*131835
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	292	309	734	1303	3780	5475
Main activity	*127383	*129613	*134569	*136014	*138454	*137310
Combustible fuels	*127092	*129304	*133835	*134711	*134674	*131835
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	292	309	734	1303	3780	5475
Own use in electricity, CHP and heat plants	*4429	*11181	*11718	*11715	*11502	*12057
Net production	*122954	*118432	*122851	*124299	*126952	*125253
Imports	234	1141	514	488	245	206
Exports	249	506	617	517	257	235
Losses	9141	9697	11718	8436	7011	7030
Consumption	108947	110645	114485	116390	119941	118223
Energy industries own use	..	..	..	..	..	..
By industry and construction	9677	9634	10011	10499	10406	19561
By transport	..	..	..	..	..	..
By households and other cons.	99270	101011	104475	105890	109535	98663
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	28745	28761	30371	*30934	*33042	34901
Combustible fuels	28622	28638	30048	*30349	*31287	32846
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	123	123	323	585	1755	2055
Main activity	28745	28761	30371	*30934	*33042	34901
Combustible fuels	28622	28638	30048	*30349	*31287	32846
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	123	123	323	585	1755	2055
Combustible fuel input	Terajoules					
Gas-diesel oil	23521	*23650	22747	24394	6401	67267
Fuel oil	2020	*2141	*2141	*2182	2133	2100
Natural gas	*1248672	1349892	1383323	1384793	1370949	1332727
Total input	*1274213	1375683	1408211	1411369	1379484	1402093
Total production	*457529	*465494	*481806	*484960	*484827	*474606
Estimated efficiency (% of production to input)	36	34	34	34	35	34

Statistics on electricity

United Kingdom

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	339671	339160	337884	333162	323846	311259
Combustible fuels	212479	211551	197692	190572	183670	164286
Hydro	9037	8329	8754	7942	7603	8156
Nuclear	70345	71726	70336	65064	56184	50278
Other	47810	47554	61103	69585	76389	88538
Main activity	290867	287607	282740	275047	261765	248190
Combustible fuels	178214	176224	161420	152230	140700	121168
Hydro	7646	6910	7051	6299	5946	6400
Nuclear	70345	71726	70336	65064	56184	50278
Other	34662	32747	43932	51454	58934	70344
Own use in electricity, CHP and heat plants	17448	15264	15157	15177	13675	13098
Net production	322223	323896	322727	317986	310171	298161
Imports	22961	20018	18167	21332	24556	22391
Exports	1855	2273	3407	2225	3385	4481
Losses	28607	26330	26835	25651	25450	26323
Consumption	314821	315443	310836	311007	305461	289270
Energy industries own use	11137	11170	10971	10206	8978	8780
By industry and construction	93045	93424	92340	93986	92344	83904
By transport	4614	4823	5017	5225	6021	5014
By households and other cons.	206025	206026	202508	201589	198118	191573
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	96395	97500	103280	106507	102913	101367
Combustible fuels	58316	55453	56886	57784	51746	50481
Hydro	4677	4733	4770	4777	4778	4776
Nuclear	9487	9261	9261	9261	9261	8141
Other	23915	28053	32363	34685	37129	37969
Main activity	78936	72908	78452	81062	77217	76156
Combustible fuels	51961	44364	45691	46128	39531	38398
Hydro	4357	4299	4299	4301	4301	4298
Nuclear	9487	9261	9261	9261	9261	8141
Other	13131	14984	19201	21372	24125	25319
Combustible fuel input	Terajoules					
Hard Coal	758859	317097	229993	174276	78205	64134
Biogas	91653	94754	95254	92922	91062	89892
Gas-diesel oil	4171	3827	4101	3728	3813	3903
Refinery gas	12128	12425	13053	9298	11138	6441
Natural gas	765476	1073072	1029713	984231	982460	849440
Blast furnace gas	26847	19347	18055	16907	17845	18012
Fuelwood	*110185	*119236	*117608	*137824	*158710	*168766
Vegetal waste	*31281	*22410	*36694	*40799	*37381	*36033
Municipal waste	53310	66242	70208	81302	90982	93028
Industrial waste	9348	16912	7732	10127	10639	10372
Others	19081	14278	12316	11651	10216	9769
Total input	1882338	1759600	1634727	1563065	1492450	1349791
Total production	764924	761584	711690	686058	661212	591430
Estimated efficiency (% of production to input)	41	43	44	44	44	44

Statistics on electricity

United Rep. of Tanzania

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6779	7224	7258	7403	7873	7954
Combustible fuels	4656	4825	4869	4915	5306	4763
Hydro	2108	2366	2350	*2400	2477	3139
Nuclear	..	..	..	..	..	..
Other	15	33	39	88	89	51
Main activity	6757	7183	7211	7308	7776	7894
Combustible fuels	4649	4817	4861	4908	5298	4755
Hydro	2108	2366	2350	*2400	2477	3139
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	362	132	143	48	68	159
Net production	6417	7092	7115	7355	7805	7794
Imports	71	102	106	118	113	114
Exports	..	..	..	..	..	..
Losses	1120	1221	1159	1064	1162	1110
Consumption	5265	5388	5952	6460	6767	6797
Energy industries own use	15	18	19	88	89	59
By industry and construction	1362	1358	1525	1719	1686	1620
By transport	..	..	..	..	..	..
By households and other cons.	3888	4012	4408	4653	4992	5118
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1380	1394	1412	1607	1530	*1608
Combustible fuels	800	808	829	1015	931	*1000
Hydro	567	567	562	567	574	574
Nuclear	..	..	..	..	..	..
Other	13	18	22	25	26	*35
Main activity	1347	1356	1358	1396	1318	*1378
Combustible fuels	780	788	796	829	745	*802
Hydro	567	567	562	567	574	574
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	2
Combustible fuel input	Terajoules					
Gas-diesel oil	9804	14749	15609	15609	19299	15756
Fuel oil	9534	2262	754	394	305	448
Natural gas	27590	25558	25227	23666	32842	28787
Bagasse	1152	1242	1297	1297	1296	1323
Total input	48080	43811	42886	40966	53742	46314
Total production	16762	17370	17528	17694	19102	17146
Estimated efficiency (% of production to input)	35	40	41	43	36	37

Statistics on electricity

United States

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4317159	4322038	4286429	4455439	4391761	4260044
Combustible fuels	2962870	2886040	2770054	2912041	2818743	2643838
Hydro	271129	292113	325114	317004	310571	308213
Nuclear	830288	839918	838861	841329	843330	823150
Other	252872	303967	352399	385065	419116	484843
Main activity	4139295	4141317	4100488	4262168	4192264	4059965
Combustible fuels	2802188	2725711	2608106	2746063	2650495	2479922
Hydro	269675	290596	323458	315587	309332	306981
Nuclear	830288	839918	838861	841329	843330	823150
Other	237144	285092	330062	359190	389106	449912
Own use in electricity, CHP and heat plants	207940	202593	200426	218511	196187	179320
Net production	4109219	4119445	4086003	4236927	4195573	4080724
Imports	75770	72716	65685	58261	59052	61449
Exports	9100	6214	9371	13804	20008	14135
Losses	255322	234807	226114	211136	244112	197969
Consumption	3920567	3951140	3916203	4070248	3990506	3930069
Energy industries own use	139731	137199	160087	169372	160554	152279
By industry and construction	806248	796896	778435	772827	748851	710300
By transport	8872	10605	11089	12283	13838	10248
By households and other cons.	2965716	3006440	2966591	3115765	3067264	3057242
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1072470	1086849	1100333	1119131	1127772	1147892
Combustible fuels	771732	764787	762765	767009	758593	750146
Hydro	102239	102692	102703	102801	102649	103039
Nuclear	98672	99565	99629	99433	98119	96501
Other	99827	119805	135236	149888	168411	198207
Main activity	1031496	1042991	1052995	1067931	1072930	1087879
Combustible fuels	742417	735654	733659	737457	729097	720113
Hydro	101933	102335	102346	102517	102360	102750
Nuclear	98672	99565	99629	99433	98119	96501
Other	88474	105437	117361	128524	143354	168515
Combustible fuel input	Terajoules					
Hard Coal	6977919	6528743	6008203	5511906	4657978	3734918
Brown Coal	7554207	6817768	6992253	6938984	5868905	4750348
Biogas	159616	150566	151529	148717	141641	138182
Gas-diesel oil	72455	56158	60948	106759	86805	87120
Fuel oil	92031	69044	64365	112053	97470	113847
Petroleum coke	115050	125580	106612	109908	83524	94826
Natural gas	11248873	11524237	10770702	12277185	13124962	13449542
Fuelwood	*293718	*275926	*283658	*279490	*258291	*239119
Municipal waste	271824	280711	270064	275832	268342	267803
Black liquor	*147385	*128716	*127622	*119148	*110404	*107557
Others	194335	144916	139868	154770	147433	133273
Total input	27127413	26102365	24975824	26034752	24845757	23116534
Total production	10666332	10389744	9972194	10483349	10147476	9517816
Estimated efficiency (% of production to input)	39	40	40	40	41	41

Statistics on electricity

United States Virgin Is.

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*799	*797	*611	*626	*672	*660
Combustible fuels	*766	*765	*589	*605	*647	*635
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*33	*33	*21	*22	*25	*25
Main activity	*780	*778	*597	*612	*655	*643
Combustible fuels	*766	*765	*589	*605	*647	*635
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	14	14	8	8	8	*8
Own use in electricity, CHP and heat plants	*84	*84	*61	*62	*66	*60
Net production	*716	*714	*549	*565	*606	*600
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*60	*65	*50	*51	*51	*50
Consumption	*656	*649	*499	*514	*555	*550
Energy industries own use	..	..	..	..	..	..
By industry and construction	*298	*273	*210	*222	*236	*231
By transport	..	..	..	..	..	..
By households and other cons.	*358	*376	*290	*292	*319	*319
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	340	340	336	336	*336	*337
Combustible fuels	316	316	316	316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*24	*24	*20	*20	*20	*21
Main activity	325	325	321	321	*321	*321
Combustible fuels	316	316	316	316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	9	5	5	5	5
Combustible fuel input	Terajoules					
Total input	..	..	..	..	..	..
Total production	*2758	*2752	*2122	*2178	*2331	*2285
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity

Uruguay

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13731	13885	14363	14623	16090	13557
Combustible fuels	3351	2896	2802	2921	2806	3526
Hydro	8266	7842	7518	6557	8108	4094
Nuclear	..	..	..	..	..	..
Other	2114	3146	4043	5146	5176	5938
Main activity	12126	12274	12713	12857	14388	11825
Combustible fuels	1756	1295	1167	1177	1138	1833
Hydro	8266	7842	7518	6557	8108	4094
Nuclear	..	..	..	..	..	..
Other	2104	3137	4028	5123	5142	5898
Own use in electricity, CHP and heat plants	385	393	350	431	436	445
Net production	13345	13491	14014	14192	15654	13112
Imports	2	25	3	14	0	515
Exports	1321	779	1462	1195	3011	1148
Losses	1489	1340	1437	1557	1322	1129
Consumption	10648	11518	11162	11571	11439	11458
Energy industries own use	111	116	44	117	118	111
By industry and construction	3250	3530	3522	3702	3622	3559
By transport	..	0	0	1	1	3
By households and other cons.	7287	7872	7596	7752	7698	7785
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	3989	3913	4546	4912	4920	4925
Combustible fuels	1530	1075	1255	1615	1615	1615
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	921	1301	1753	1759	1768	1772
Main activity	3527	3447	4066	4428	4429	4430
Combustible fuels	1098	643	823	1182	1182	1182
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	891	1266	1705	1708	1709	1710
Combustible fuel input	Terajoules					
Gas-diesel oil	7534	3423	1634	2915	1290	6054
Fuel oil	1972	1220	570	1244	404	1107
Natural gas	0	0	365	113	1106	0
Fuelwood	236	205	64	116	87	78
Bagasse	111	86	86	88	104	122
Vegetal waste	2325	2496	2339	2826	1801	3105
Black liquor	9463	9670	10303	9942	9999	10591
Total input	21640	17099	15360	17245	14791	21057
Total production	12064	10426	10088	10515	10102	12692
Estimated efficiency (% of production to input)	56	61	66	61	68	60

Statistics on electricity

Uzbekistan

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	57414	58634	60323	62408	63021	66516
Combustible fuels	50589	51773	52393	56510	56544	61502
Hydro	6825	6860	7930	5897	6462	4999
Nuclear	..	..	..	..	..	..
Other	0	0	1	0	16	16
Main activity	57414	58634	60323	62408	63021	66516
Combustible fuels	50589	51773	52393	56510	56544	61502
Hydro	6825	6860	7930	5897	6462	4999
Nuclear	..	..	..	..	..	..
Other	0	0	1	0	16	16
Own use in electricity, CHP and heat plants	780	797	820	2335	4046	2257
Net production	56634	57837	59503	60073	58975	64259
Imports	5520	5278	6945	2233	3379	5207
Exports	6810	6774	7585	2627	2067	2687
Losses	*3315	*3395	*3524	968	845	9975
Consumption	47350	48503	50350	53514	54175	51951
Energy industries own use	..	..	..	..	..	..
By industry and construction	21153	21397	22623	15422	17382	19732
By transport	1166	1166	1222	1475	2115	1058
By households and other cons.	25032	25940	26504	36618	34678	31161
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	13217	14104	14378	15046	16798	17502
Combustible fuels	11335	12222	12516	12276	14032	14620
Hydro	1880	1880	1858	1915	1908	2023
Nuclear	..	..	..	..	..	..
Other	1	2	4	*854	*859	*859
Main activity	13217	14104	14378	15046	16798	17502
Combustible fuels	11335	12222	12516	12276	14032	14620
Hydro	1880	1880	1858	1915	1908	2023
Nuclear	..	..	..	..	..	..
Other	1	2	4	*854	*859	*859
Combustible fuel input	Terajoules					
Hard Coal	2135	2030	1552	..	..	..
Brown Coal	42459	43592	45679	46161	51683	57643
Gas-diesel oil	41	30	39	39	61	64
Fuel oil	2026	3253	3681	5329	8313	5715
Natural gas	488010	502212	484477	497192	514742	507855
Total input	534671	551117	535428	548720	574799	571277
Total production	182121	186384	188614	203437	203557	221405
Estimated efficiency (% of production to input)	34	34	35	37	35	39

Statistics on electricity

Vanuatu

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	66	75	80	81	84	78
Combustible fuels	51	62	63	63	63	57
Hydro	7	5	7	8	8	8
Nuclear	..	..	..	..	..	..
Other	9	8	9	11	13	*13
Main activity	66	75	80	81	84	78
Combustible fuels	51	62	63	63	63	57
Hydro	7	5	7	8	8	8
Nuclear	..	..	..	..	..	..
Other	9	8	9	11	13	*13
Own use in electricity, CHP and heat plants	2	3	2	3	4	*3
Net production	64	72	77	78	80	75
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	5	5	6	6	5
Consumption	61	69	72	72	75	*73
Energy industries own use	..	..	..	..	..	..
By industry and construction	21	23	28	27	29	*28
By transport	..	..	..	..	..	..
By households and other cons.	40	46	44	45	46	*45
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	30	32	33	31	33	33
Combustible fuels	25	26	26	24	25	26
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	4	5	6	6	6	6
Main activity	30	32	33	31	33	33
Combustible fuels	25	26	26	24	25	26
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	4	5	6	6	6	6
Combustible fuel input	Terajoules					
Gas-diesel oil	451	570	617	609	606	540
Other liquid biofuels	27	*19	0	5	8	8
Total input	479	589	617	614	614	548
Total production	183	222	228	228	227	205
Estimated efficiency (% of production to input)	38	38	37	37	37	37

Statistics on electricity

Venezuela (Bolivar. Rep.)

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	128831	118123	103796	99757	82571	74265
Combustible fuels	53832	55068	43193	41511	32837	11656
Hydro	74902	62959	60507	58150	49637	62510
Nuclear	..	..	..	..	..	..
Other	96	96	96	96	98	98
Main activity	126700	116061	101811	97846	80927	73323
Combustible fuels	51794	53099	41301	39692	31285	10807
Hydro	74902	62959	60507	58150	49637	62510
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	6	6
Own use in electricity, CHP and heat plants	1461	1483	1014	975	807	726
Net production	127370	116640	102781	98782	81764	73539
Imports	0	0	0	..	..	..
Exports	974	1107	1064	1023	870	652
Losses	40381	33543	32237	30983	25638	23100
Consumption	89314	82985	70156	66533	56040	50359
Energy industries own use	1634	1427	1159	945	850	394
By industry and construction	27283	23472	22219	20630	17976	16495
By transport	0	0	0	..	..	..
By households and other cons.	60397	58086	46779	44958	37213	33469
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	32150	33058	33013	33012	32620	33116
Combustible fuels	16869	17777	17732	17732	17487	17836
Hydro	15137	15137	15137	15137	15011	15136
Nuclear	..	..	..	..	..	..
Other	144	144	144	143	122	*144
Main activity	31049	31957	31913	31913	31519	32015
Combustible fuels	15859	16767	16722	16722	16477	16826
Hydro	15137	15137	15137	15137	15011	15136
Nuclear	..	..	..	..	..	..
Other	53	53	54	54	31	53
Combustible fuel input	Terajoules					
Gas-diesel oil	220676	199262	191511	184053	123584	..
Fuel oil	25048	22624	21731	20885	17828	..
Natural gas	338034	326524	313807	301587	257432	140895
Total input	583758	548410	527050	506524	398843	140895
Total production	193796	198245	155493	149438	118212	41963
Estimated efficiency (% of production to input)	33	36	30	30	30	30

Statistics on electricity

Viet Nam

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	163494	181653	198499	213199	*232602	240543
Combustible fuels	105979	116244	109354	128576	*142200	156672
Hydro	57254	65188	88875	84205	85097	73461
Nuclear	..	..	..	..	..	..
Other	*261	221	270	418	5305	10410
Main activity	159540	176739	194217	208917	*228320	231947
Combustible fuels	102107	111412	105154	124376	*138000	148158
Hydro	57174	65108	88795	84125	85017	73381
Nuclear	..	..	..	..	..	..
Other	*259	219	268	416	5303	10408
Own use in electricity, CHP and heat plants	5745	5269	6906	6759	11878	9598
Net production	157749	176384	191593	206440	*220724	230945
Imports	2604	3313	2352	1722	2401	3067
Exports	1711	2215	1825	733	1311	1555
Losses	*12541	*13732	13871	14728	14765	14653
Consumption	143683	159791	174653	192701	207049	215743
Energy industries own use	..	..	..	..	..	..
By industry and construction	77189	85686	95791	106136	111934	115582
By transport	..	..	..	..	..	..
By households and other cons.	66494	74105	78862	86565	95115	100161
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*39133	*43416	*44334	*44815	57444	78066
Combustible fuels	*22779	*25783	*25953	*26125	30690	39713
Hydro	16213	17461	18161	18341	20678	21169
Nuclear	..	..	..	..	..	..
Other	141	172	220	349	6076	17184
Main activity	*36005	*38025	*38851	*39332	51961	72583
Combustible fuels	*19965	*20728	*20828	*21000	25565	34588
Hydro	15905	17131	17809	17989	20326	20817
Nuclear	..	..	..	..	..	..
Other	135	166	214	343	6070	17178
Combustible fuel input	Terajoules					
Hard Coal	529856	614098	561954	684450	1386620	1390254
Gas-diesel oil	1720	6751	3526	1548	6837	6794
Fuel oil	8726	8767	3798	1172	10868	7030
Natural gas	366899	366913	314848	288261	300319	274608
Fuelwood	1193	44756	1319	2177	494	39063
Total input	908395	1041284	885444	977607	1705138	1717748
Total production	381524	418478	393674	462874	*511920	564018
Estimated efficiency (% of production to input)	42	40	44	47	30	33

Statistics on electricity

Wallis and Futuna Is.

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*18	*20	*20	*20	*21	*23
Combustible fuels	*18	*20	*19	*20	*20	*23
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*18	*20	*20	*20	*21	*23
Combustible fuels	*18	*20	*19	*20	*20	*23
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	*2	*3	*2	*1	0	*2
Net production	*16	*18	*17	*19	*20	*22
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	0	0	0	0	0
Consumption	*16	*17	*17	*19	*20	*22
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*16	*17	*17	*19	*20	*22
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9	9	9	9	9	9
Combustible fuels	9	9	9	9	9	9
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	9	9	9	9	9	9
Combustible fuels	9	9	9	9	9	9
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Gas-diesel oil	*177	*187	*183	*188	*196	*221
Total input	*177	*187	*183	*188	*196	*221
Total production	*65	*71	*69	*70	*73	*82
Estimated efficiency (% of production to input)	37	38	38	37	37	37

Statistics on electricity

Yemen

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	5762	4798	4050	3487	3277	2939
Combustible fuels	5646	4643	3856	3003	2792	2449
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	116	155	194	484	484	490
Main activity	5364	4387	3613	2758	2544	2222
Combustible fuels	5364	4387	3613	2758	2544	2222
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	871	712	586	448	413	361
Net production	4891	4086	3464	3040	2864	2578
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1423	1164	959	732	675	590
Consumption	2489	2377	2297	2203	2210	2201
Energy industries own use	..	..	..	..	..	..
By industry and construction	119	97	80	61	56	49
By transport	..	..	..	..	..	..
By households and other cons.	2370	2280	2217	2142	2154	2152
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1579	1769	*1769	*1769	*1769	*1772
Combustible fuels	1519	1519	*1519	*1519	*1519	*1519
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	60	*250	*250	*250	250	253
Main activity	1402	1402	*1402	*1402	*1402	*1402
Combustible fuels	1402	1402	*1402	*1402	*1402	*1402
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	18146	16469	15634	14444	13320	10975
Fuel oil	19190	16241	15417	14185	13016	10659
Natural gas	28770	20045	12027	4009	4009	5212
Total input	66106	52755	43077	32638	30345	26845
Total production	20326	16715	13883	10811	10052	8817
Estimated efficiency (% of production to input)	31	32	32	33	33	33

Statistics on electricity

Zambia

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	13440	11771	14536	16282	15115	15237
Combustible fuels	405	746	2065	2574	2669	2294
Hydro	13035	11025	12471	13706	12329	12793
Nuclear	..	..	..	..	..	..
Other	..	0	0	1	118	150
Main activity	13440	11695	14458	16203	15037	15159
Combustible fuels	405	670	1987	2496	2591	2216
Hydro	13035	11025	12471	13706	12329	12793
Nuclear	..	..	..	..	..	..
Other	..	0	0	1	118	150
Own use in electricity, CHP and heat plants	0	401	438	408	411	457
Net production	13440	11370	14098	15873	14704	14780
Imports	785	2185	753	152	198	130
Exports	1176	794	1063	1226	976	1340
Losses	1599	*1903	*1607	*1886	*1586	*2067
Consumption	11450	10858	12192	12898	12341	11504
Energy industries own use	..	..	..	..	..	..
By industry and construction	6860	6455	7025	7282	7060	6452
By transport	33	28	32	33	31	29
By households and other cons.	4557	4375	5135	5583	5250	5023
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	2411	2860	2931	2933	3016	3046
Combustible fuels	142	472	532	533	528	558
Hydro	2269	2388	2398	2398	2399	2399
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	89	89
Main activity	2411	2827	2896	2898	2981	3011
Combustible fuels	142	439	498	499	494	524
Hydro	2269	2388	2398	2398	2399	2399
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	89	89
Combustible fuel input	Terajoules					
Hard Coal	..	3904	15353	24485	20017	22735
Gas-diesel oil	430	430	516	*5160	*8600	*5590
Fuel oil	3272	2747	4808	*6747	*8484	*4363
Bagasse	*1332	*1367	*1367	*1367	*1367	*1367
Total input	5034	8448	22043	37758	38468	34055
Total production	1459	2684	7435	9267	9609	8260
Estimated efficiency (% of production to input)	29	32	34	25	25	24

Statistics on electricity

Zimbabwe

Item	2015	2016	2017	2018	2019	2020
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	9522	7090	7544	9418	8451	6712
Combustible fuels	4583	4175	3575	4369	4285	2882
Hydro	4939	2915	3969	5049	4166	3805
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	24
Main activity	9468	6812	7377	9212	8242	6603
Combustible fuels	4529	3897	3408	4163	4076	2773
Hydro	4939	2915	3969	5049	4166	3805
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	24
Own use in electricity, CHP and heat plants	6	171	143	175	171	115
Net production	9516	6919	7401	9243	8279	6597
Imports	1147	2220	2569	1177	1612	2337
Exports	1248	369	351	161	504	355
Losses	1653	1596	1729	1748	1552	1445
Consumption	7426	7276	7880	8506	8063	7333
Energy industries own use	..	..	..	..	..	..
By industry and construction	2524	2642	3359	3703	3681	3348
By transport	..	..	..	..	..	..
By households and other cons.	4902	4634	4521	4803	4382	3985
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1992	2020	2021	2326	*2363	*2364
Combustible fuels	1235	1265	1265	1265	*1265	*1265
Hydro	757	750	750	1050	1081	1081
Nuclear	..	..	..	..	..	..
Other	..	5	6	11	17	18
Main activity	1947	1975	1976	2281	*2318	*2319
Combustible fuels	1190	1220	1220	1220	*1220	*1220
Hydro	757	750	750	1050	1081	1081
Nuclear	..	..	..	..	..	..
Other	..	5	6	11	17	18
Combustible fuel input	Terajoules					
Hard Coal	74266	63954	52354	56030	51825	39754
Gas-diesel oil	645	559	580	701	714	561
Bagasse	1843	2117	2180	2687	2725	1423
Total input	76754	66630	55113	59419	55264	41737
Total production	16498	15029	12870	15729	15427	10377
Estimated efficiency (% of production to input)	21	23	23	26	28	25