

**Department of Economic and Social Affairs**  
Statistics Division

# 2022

# Electricity Profiles



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# Department of Economic and Social Affairs

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Statistics compiled as of December 2024

## INTRODUCTION

The *Electricity Profiles 2022* provides detailed information on production, trade and consumption of electricity, on net installed capacity and thermal power plant inputs and efficiency for 226 countries and areas on an internationally comparable basis, for the years 2017-2022. 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 eleventh 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*<sup>1</sup> (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*<sup>2</sup> and also discussed in the publication *Energy Statistics: A Manual for Developing Countries*.<sup>3</sup>

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.<sup>4</sup> Requests for information should be directed to United Nations Publications at: [order@un.org](mailto: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), 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 and Mr. Graham Osborn.

Enquiries, comments and suggestions for improving this publication are welcome and should be addressed to: [energy\\_stat@un.org](mailto:energy_stat@un.org).

<sup>1</sup> Available at [unstats.un.org/unsd/energystats/methodology/ires/](http://unstats.un.org/unsd/energystats/methodology/ires/)

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

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

<sup>4</sup> For details, see [unstats.un.org/unsd/energystats/pubs/eprofiles/](http://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.<sup>5</sup>

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.

<sup>5</sup> <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	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1420	1301	1626	1371	*1409	*1414
Combustible fuels	176	200	183	124	*130	*130
Hydro	1244	1066	1388	1181	*1215	*1220
Nuclear	..	..	..	..	..	..
Other	..	35	55	66	*64	*64
Main activity	1098	979	1286	1031	*1074	*1084
Combustible fuels	168	193	177	118	*124	*124
Hydro	930	786	1088	881	*920	*930
Nuclear	..	..	..	..	..	..
Other	..	..	21	32	*30	*30
Own use in electricity, CHP and heat plants	*55	*90	*89	*89	*75	*74
Net production	1365	1211	1537	1282	*1334	*1340
Imports	4611	4986	4912	5152	*5100	*5200
Exports	..	..	..	..	..	..
Losses	*615	*640	*670	*670	*685	*690
Consumption	*5357	*5552	*5777	*5760	*5749	*5850
Energy industries own use	..	..	..	..	..	..
By industry and construction	*1390	*1460	*1510	*1320	*1300	*1320
By transport	..	..	..	..	..	..
By households and other cons.	*3967	*4092	*4267	*4440	*4449	*4530
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*519	*541	*550	*550	*558	*662
Combustible fuels	*135	*135	*135	*135	*135	*135
Hydro	*384	*384	*384	*384	*392	*494
Nuclear	..	..	..	..	..	..
Other	..	22	31	31	31	33
Main activity	*324	*326	*336	*336	*344	*446
Combustible fuels	*70	*70	*70	*70	*70	*70
Hydro	*254	*254	*254	*254	*262	*364
Nuclear	..	..	..	..	..	..
Other	..	2	12	12	12	12
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	*1367	*1445	*1238	*439	*439	*439
Gas-diesel oil	*860	*1402	*1634	*1720	*1806	*1806
Fuel oil	40	*40	*40	*40	*40	*40
<b>Total input</b>	*2268	*2887	*2913	*2199	*2285	*2285
<b>Total production</b>	635	720	658	447	*468	*468
<b>Estimated efficiency (% of production to input)</b>	28	25	23	20	20	20

## Statistics on electricity

### Albania

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4526	8553	5206	5313	8963	7003
Combustible fuels	..	..	..	..	..	..
Hydro	4525	8552	5184	5281	8922	6842
Nuclear	..	..	..	..	..	..
Other	1	1	22	32	41	161
Main activity	4526	8553	5206	5313	8963	7003
Combustible fuels	..	..	..	..	..	..
Hydro	4525	8552	5184	5281	8922	6842
Nuclear	..	..	..	..	..	..
Other	1	1	22	32	41	161
Own use in electricity, CHP and heat plants	28	45	28	26	26	28
Net production	4498	8508	5179	5288	8936	6974
Imports	2915	850	3177	3239	2252	3044
Exports	0	1764	770	963	2800	2123
Losses	1276	1114	1054	907	1357	959
Consumption	6135	6481	6530	6656	7031	6937
Energy industries own use	179	396	347	340	366	349
By industry and construction	1255	1316	1357	1365	1419	1661
By transport	..	..	4	4	5	6
By households and other cons.	4701	4769	4822	4947	5241	4920
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2171	2229	2299	2531	2723	2816
Combustible fuels	123	123	123	123	123	123
Hydro	2047	2105	2162	2387	2507	2493
Nuclear	..	..	..	..	..	..
Other	1	1	14	21	93	200
Main activity	2146	2204	2274	2506	2628	2691
Combustible fuels	98	98	98	98	98	98
Hydro	2047	2105	2162	2387	2507	2493
Nuclear	..	..	..	..	..	..
Other	1	1	14	21	23	100
<b>Combustible fuel input</b>	<b>Terajoules</b>					
<b>Total input</b>	..	..	..	..	..	..
<b>Total production</b>	..	..	..	..	..	..
<b>Estimated efficiency (% of production to input)</b>	..	..	..	..	..	..

## Statistics on electricity

### Algeria

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	76018	76662	81531	79155	85391	91231
Combustible fuels	75383	75880	80691	78432	84729	90550
Hydro	56	117	152	50	9	16
Nuclear	..	..	..	..	..	..
Other	579	665	688	673	653	665
Main activity	70898	71225	76023	73838	79903	85754
Combustible fuels	70263	70443	75183	73115	79241	85073
Hydro	56	117	152	50	9	16
Nuclear	..	..	..	..	..	..
Other	579	665	688	673	653	665
Own use in electricity, CHP and heat plants	7473	7702	8191	10301	10845	9570
Net production	68545	68960	73340	68854	74546	81661
Imports	537	506	531	513	379	181
Exports	880	597	673	574	1529	2753
Losses	10869	9904	9897	8980	8975	8774
Consumption	57334	58967	63296	59814	64420	70315
Energy industries own use	957	813	1112	916	978	2809
By industry and construction	20182	20670	21941	20546	21635	22674
By transport	1069	1173	1236	1551	1593	1980
By households and other cons.	35126	36311	39007	36801	40214	42851
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	19554	21166	*21653	*21634	*22448	*22460
Combustible fuels	18892	20480	*20967	*20967	*21861	*21861
Hydro	228	228	228	209	129	129
Nuclear	..	..	..	..	..	..
Other	434	458	458	458	458	470
Main activity	15240	15087	*15086	*15067	*16183	*16195
Combustible fuels	14578	14401	*14400	*14400	*15596	*15596
Hydro	228	228	228	209	129	129
Nuclear	..	..	..	..	..	..
Other	434	458	458	458	458	470
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	9761	9469	9288	8613	8772	9297
Natural gas	722981	740892	756929	740033	837664	905536
<b>Total input</b>	732742	750360	766217	748646	846436	914834
<b>Total production</b>	271379	273168	290488	282355	305024	325981
<b>Estimated efficiency (% of production to input)</b>	37	36	38	38	36	36



**Statistics on electricity**
**American Samoa**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	175	171	178	180	183	183
Combustible fuels	167	163	170	174	176	176
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	7	7	7	7
Main activity	175	171	178	180	183	183
Combustible fuels	167	163	170	174	176	176
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	7	7	7	7
Own use in electricity, CHP and heat plants	8	5	4	5	4	5
Net production	166	167	173	175	179	178
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	11	14	18	18	19	15
Consumption	*155	*150	*155	*157	*160	*159
Energy industries own use	..	..	..	..	..	..
By industry and construction	*32	*34	*33	*27	*29	*30
By transport	..	..	..	..	..	..
By households and other cons.	*123	*116	*122	*131	*130	*129
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	46	47	47	*47	*50	*50
Combustible fuels	42	42	42	*42	*45	*45
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	5	5	5	5	5
Main activity	46	47	47	*47	*50	*50
Combustible fuels	42	42	42	*42	*45	*45
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	5	5	5	5	5
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*1668	*1677	*1703	*1737	*1763	*1763
<b>Total input</b>	*1668	*1677	*1703	*1737	*1763	*1763
<b>Total production</b>	601	587	612	625	635	635
<b>Estimated efficiency (% of production to input)</b>	36	35	36	36	36	36

## Statistics on electricity

### Andorra

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	111	145	118	153	109	100
Combustible fuels	26	31	32	29	29	29
Hydro	85	114	85	124	79	70
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	2
Main activity	90	120	91	128	87	77
Combustible fuels	4	5	6	4	7	6
Hydro	85	114	85	124	79	70
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	2
Own use in electricity, CHP and heat plants	5	5	5	5	5	5
Net production	107	140	112	148	104	95
Imports	471	439	465	375	426	461
Exports	0	0	0	0	0	0
Losses	67	68	66	54	60	62
Consumption	486	492	490	447	448	472
Energy industries own use	..	..	..	..	..	..
By industry and construction	8	11	17	15	17	19
By transport	..	..	..	..	..	..
By households and other cons.	478	482	473	432	432	453
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	53	53	53	54	54	54
Combustible fuels	7	7	7	7	7	7
Hydro	46	46	46	46	46	46
Nuclear	..	..	..	..	..	..
Other	0	*1	1	1	1	1
Main activity	48	48	48	49	49	49
Combustible fuels	2	2	2	2	2	2
Hydro	46	46	46	46	46	46
Nuclear	..	..	..	..	..	..
Other	0	*1	1	1	1	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Natural gas	72	79	100	101	143	140
Municipal waste	194	268	291	270	241	268
<b>Total input</b>	266	347	391	371	384	408
<b>Total production</b>	93	110	116	103	103	105
<b>Estimated efficiency (% of production to input)</b>	35	32	30	28	27	26

## Statistics on electricity

### Angola

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	11187	13513	14247	14488	14741	15983
Combustible fuels	3516	3123	3383	1967	3498	3051
Hydro	7653	10372	10826	12478	11203	12318
Nuclear	..	..	..	..	..	..
Other	18	18	38	43	39	*613
Main activity	10757	13092	13829	14093	14341	15583
Combustible fuels	3086	2702	2965	1572	3098	2651
Hydro	7653	10372	10826	12478	11203	12318
Nuclear	..	..	..	..	..	..
Other	18	18	38	43	39	*613
Own use in electricity, CHP and heat plants	265	322	388	413	*414	*378
Net production	10922	13191	13859	14075	14327	15604
Imports	..	..	64	60	59	31
Exports	..	..	..	..	..	..
Losses	1207	1447	1741	*1845	*1800	*1817
Consumption	9715	11743	*12182	*12289	*12585	*13818
Energy industries own use	..	..	..	..	..	..
By industry and construction	3117	3727	*4000	*4000	*4000	*4200
By transport	..	..	..	..	..	..
By households and other cons.	6598	8016	*8182	*8289	*8585	*9618
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4331	5146	5926	6166	6168	6733
Combustible fuels	1964	2137	2571	2477	2479	2718
Hydro	2355	2996	3342	3676	3676	3729
Nuclear	..	..	..	..	..	..
Other	13	13	13	13	*13	285
Main activity	4081	4896	5626	5856	5858	6423
Combustible fuels	1714	1887	2271	2167	2169	2408
Hydro	2355	2996	3342	3676	3676	3729
Nuclear	..	..	..	..	..	..
Other	13	13	13	13	*13	285
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*25499	*23951	18256	7972	*12647	*13586
Fuel oil	1535	3208	2440	*3030	*3030	*3232
Natural gas	361	867	14783	*9823	*17985	*12621
Bagasse	*541	*579	*618	*618	*618	*618
<b>Total input</b>	*27936	*28605	36097	*21443	*34280	*30057
<b>Total production</b>	12659	11243	12179	7081	12594	10985
<b>Estimated efficiency (% of production to input)</b>	45	39	34	33	37	37

## Statistics on electricity

### Anguilla

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	82	83	100	90	98	106
Combustible fuels	80	81	97	88	95	103
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	3	3	3	*3
Main activity	82	83	100	90	98	106
Combustible fuels	80	81	97	88	95	103
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	3	3	3	*3
Own use in electricity, CHP and heat plants	5	5	6	6	5	6
Net production	77	78	94	85	93	100
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*5	*4	*5	*4	*7	*14
Consumption	*72	*74	*88	*80	*86	*86
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*72	*74	*88	*80	*86	*86
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	26	25	26	*26	*26	*26
Combustible fuels	24	24	24	*24	*24	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	1	2	2	*2	*2
Main activity	26	25	26	*26	*26	*26
Combustible fuels	24	24	24	*24	*24	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	1	2	2	*2	*2
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*808	*839	*989	*946	*972	*989
<b>Total input</b>	*808	*839	*989	*946	*972	*989
<b>Total production</b>	286	290	349	316	343	371
<b>Estimated efficiency (% of production to input)</b>	35	35	35	33	35	38

Statistics on electricity

Antigua and Barbuda

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*353	362	358	347	351	*368
Combustible fuels	*344	349	345	330	334	*351
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	13	13	16	*17	*17
Main activity	*352	361	357	346	350	*367
Combustible fuels	*343	348	344	329	333	*350
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	13	13	16	*17	*17
Own use in electricity, CHP and heat plants	*8	7	7	10	11	*13
Net production	*345	355	351	337	340	*355
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*90	*55	47	35	*36	*40
Consumption	*255	*300	*305	307	*304	*315
Energy industries own use	..	..	..	..	..	..
By industry and construction	*8	*8	*6	6	*6	*8
By transport	..	..	..	..	..	..
By households and other cons.	*247	*292	*299	301	*298	*307
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*119	91	90	92	146	*146
Combustible fuels	*113	82	79	79	128	*128
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	9	10	13	18	18
Main activity	*118	90	89	91	145	*145
Combustible fuels	*112	81	78	78	127	*127
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	9	10	13	18	18
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	*3878	*3919	*4000	*3838	*3878	*3891
<b>Total input</b>	*3878	*3919	*4000	*3838	*3878	*3891
<b>Total production</b>	*1238	1256	1243	1190	1202	*1264
<b>Estimated efficiency (% of production to input)</b>	32	32	31	31	31	32

## Statistics on electricity

### Argentina

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	145618	152224	145990	144924	153779	146315
Combustible fuels	97257	102820	95389	99199	107628	97688
Hydro	41645	41430	36878	24262	20186	23580
Nuclear	6088	6453	7927	10707	10831	7955
Other	628	1521	5796	10757	15134	17092
Main activity	130874	137480	131246	131139	139994	134020
Combustible fuels	82559	88122	80691	85456	93885	85406
Hydro	41599	41384	36832	24220	20144	23567
Nuclear	6088	6453	7927	10707	10831	7955
Other	628	1521	5796	10757	15134	17092
Own use in electricity, CHP and heat plants	3696	3917	3732	4123	4261	4906
Net production	141922	148307	142258	140801	149518	141409
Imports	10529	10030	10946	7802	6348	12906
Exports	69	280	261	3089	3850	31
Losses	22981	23672	20862	20740	22324	29871
Consumption	129402	129145	126020	125058	129600	125223
Energy industries own use	401	401	401	536	536	810
By industry and construction	50374	50751	49888	50649	46856	43555
By transport	660	544	528	314	490	257
By households and other cons.	77967	77449	75203	73559	81718	80601
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	39764	42128	43272	45565	46602	46255
Combustible fuels	26510	28122	28137	29062	29129	29136
Hydro	11262	11308	11330	11364	11365	10916
Nuclear	1755	1755	1755	1755	1755	1755
Other	237	943	2050	3384	4353	4448
Main activity	36150	38514	39658	41951	42988	42259
Combustible fuels	22918	24530	24545	25470	25537	25275
Hydro	11242	11288	11310	11344	11345	10834
Nuclear	1755	1755	1755	1755	1755	1755
Other	235	941	2048	3382	4351	4395
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	19386	19658	7366	14256	25377	22463
Gas-diesel oil	53922	34873	17673	32852	74693	88718
Fuel oil	58216	29128	13978	29885	36618	52351
Refinery gas	2673	2624	2723	3272	3182	..
Natural gas	699685	659367	595249	533824	752818	551067
Coke-oven gas	470	472	489	1881	1829	2170
Blast furnace gas	6447	6468	6695	5627	5471	6491
Fuelwood	8326	5796	15126	15175	14755	28215
Bagasse	5869	5892	6039	16045	15599	22541
<b>Total input</b>	854994	764278	665337	652816	930341	774016
<b>Total production</b>	350125	370152	343400	357116	387461	351677
<b>Estimated efficiency (% of production to input)</b>	41	48	52	55	42	45

## Statistics on electricity

### Armenia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	7765	7791	7680	7839	7879	9190
Combustible fuels	2872	3376	3047	3166	3384	3879
Hydro	2269	2318	2371	1778	2202	1940
Nuclear	2620	2076	2198	2756	1998	2846
Other	5	21	64	138	295	525
Main activity	7763	7777	7632	7723	7675	8908
Combustible fuels	2872	3376	3047	3166	3384	3879
Hydro	2269	2318	2371	1778	2202	1940
Nuclear	2620	2076	2198	2756	1998	2846
Other	2	7	17	23	91	243
Own use in electricity, CHP and heat plants	354	354	334	370	358	412
Net production	7412	7437	7346	7468	7521	8778
Imports	319	204	293	320	368	124
Exports	1440	1627	1251	1333	995	1571
Losses	668	611	548	565	552	606
Consumption	5623	5403	5839	5890	6343	6725
Energy industries own use	..	..	..	..	..	..
By industry and construction	1655	1491	1556	1648	1779	1835
By transport	102	96	102	89	94	99
By households and other cons.	3867	3815	4182	4153	4470	4791
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3582	3591	3621	3687	4070	3996
Combustible fuels	1840	1827	1827	1832	2086	1786
Hydro	1327	1336	1340	1350	1345	1358
Nuclear	408	408	408	408	448	448
Other	7	21	47	98	191	405
Main activity	3580	3581	3588	3610	3934	3799
Combustible fuels	1840	1827	1827	1832	2086	1786
Hydro	1327	1336	1340	1350	1345	1358
Nuclear	408	408	408	408	448	448
Other	5	11	14	21	55	208
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Natural gas	24537	29391	26805	28201	32207	33032
<b>Total input</b>	24537	29391	26805	28201	32207	33032
<b>Total production</b>	10338	12152	10969	11396	12181	13963
<b>Estimated efficiency (% of production to input)</b>	42	41	41	40	38	42

## Statistics on electricity

### Aruba

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*956	*931	*973	*912	*955	*964
Combustible fuels	*812	*748	*798	*736	*772	*779
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*144	*183	*175	*176	*183	*185
Main activity	*956	*931	*973	*912	*955	*964
Combustible fuels	*812	*748	*798	*736	*772	*779
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*144	*183	*175	*176	*183	*185
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*956	*931	*973	*912	*955	*964
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*165	*166	*158	*155	*155	*156
Consumption	798	776	809	743	783	793
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	798	776	809	743	783	793
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	288	295	295	295	295	295
Combustible fuels	258	258	258	258	258	258
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	30	38	38	38	38	38
Main activity	288	295	295	295	295	295
Combustible fuels	258	258	258	258	258	258
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	30	38	38	38	38	38
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*602	*606	*611	*611	*615	*628
Fuel oil	*7676	*7393	*7127	*7283	*7490	*7672
<b>Total input</b>	*8278	*8000	*7737	*7894	*8105	*8300
<b>Total production</b>	*2924	*2692	*2873	*2648	*2781	*2803
<b>Estimated efficiency (% of production to input)</b>	35	34	37	34	34	34



## Statistics on electricity

### Australia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	258019	260999	264025	265178	265554	271532
Combustible fuels	221065	219884	215498	208599	198102	190726
Hydro	16285	16021	15967	15150	15200	17011
Nuclear	..	..	..	..	..	..
Other	20669	25094	32560	41429	52252	63794
Main activity	229078	229025	227044	225417	221756	222927
Combustible fuels	199558	196915	190827	183150	172849	165128
Hydro	16285	16021	15967	15150	15200	17011
Nuclear	..	..	..	..	..	..
Other	13235	16089	20250	27117	33707	40789
Own use in electricity, CHP and heat plants	14502	13706	13494	13265	13049	13419
Net production	243517	247293	250531	251913	252505	258113
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	11257	11370	10961	11174	12590	13127
Consumption	232260	235922	239570	240740	239915	244986
Energy industries own use	19240	20808	23052	24083	23539	24145
By industry and construction	76928	77898	78096	77643	78579	78630
By transport	5883	5962	6255	6388	6494	6745
By households and other cons.	130208	131254	132167	132626	131303	135466
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	72188	77997	84092	92394	98058	104575
Combustible fuels	51218	51700	51540	52826	53223	53471
Hydro	8271	8523	8523	8523	8523	8523
Nuclear	..	..	..	..	..	..
Other	12699	17774	24029	31045	36313	42581
Main activity	58321	60767	64523	69865	71866	75245
Combustible fuels	44134	44013	43116	43788	43788	43794
Hydro	8271	8523	8523	8523	8523	8523
Nuclear	..	..	..	..	..	..
Other	5915	8231	12883	17554	19554	22928
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	803899	839109	849811	773851	740438	688486
Brown Coal	1019950	920982	870160	836248	822741	792812
Lignite briquettes	168	..	..	..	..	..
Biogas	13723	14633	14884	15204	15416	16449
Gas-diesel oil	45967	44290	43172	39605	41802	40199
Fuel oil	1414	1495	2182	1595	1561	1640
Other oil products	3739	2211	3256	2285	1794	804
Natural gas	558516	572280	567838	588095	523247	519704
Fuelwood	*6857	*6776	*8814	*7758	*7539	*5558
Bagasse	*27336	*27014	*21737	*21621	*20481	21380
<b>Total input</b>	2481569	2428790	2381853	2286262	2175020	2087034
<b>Total production</b>	795834	791582	775793	750958	713169	686615
<b>Estimated efficiency (% of production to input)</b>	32	33	33	33	33	33

## Statistics on electricity

### Austria

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	71324	68618	74234	72558	70757	69228
Combustible fuels	21296	19900	20865	18368	18678	18955
Hydro	42175	41219	44204	45344	42540	39221
Nuclear	..	..	..	..	..	..
Other	7853	7499	9165	8846	9539	11052
Main activity	63114	60631	66268	64721	59993	58185
Combustible fuels	13576	12400	13446	10997	11009	11803
Hydro	41697	40745	43669	44888	42133	38952
Nuclear	..	..	..	..	..	..
Other	7841	7486	9152	8836	6852	7429
Own use in electricity, CHP and heat plants	3231	3234	3133	2965	2657	2068
Net production	68094	65384	71101	69593	68100	67161
Imports	29362	28076	26047	24522	26436	28595
Exports	22817	19129	22918	22327	18893	19890
Losses	3459	3336	3305	3192	3236	3243
Consumption	71180	70990	70893	68558	72360	72598
Energy industries own use	8098	7545	7381	7027	7907	8732
By industry and construction	28283	28456	28091	26253	26847	27563
By transport	3263	3281	3278	3093	3292	3373
By households and other cons.	31537	31708	32143	32185	34314	32930
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	24919	25638	25902	26350	27390	28195
Combustible fuels	6613	6533	6378	6437	6443	5893
Hydro	14150	14516	14597	14635	14748	14923
Nuclear	..	..	..	..	..	..
Other	4157	4589	4927	5278	6199	7379
Main activity	23146	23921	23682	24086	22346	22619
Combustible fuels	5272	5244	4593	4609	4510	4361
Hydro	13718	14088	14162	14199	14314	14491
Nuclear	..	..	..	..	..	..
Other	4157	4589	4927	5278	3523	3767
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	11024	8099	7412	7572	5166	5917
Fuel oil	6116	4692	6254	7113	7848	4980
Refinery gas	7520	8554	1919	1942	5194	1972
Natural gas	100203	90759	98347	89150	94192	92661
Coke-oven gas	3367	3165	2961	3290	3045	2461
Blast furnace gas	14177	12174	13219	12413	14592	13207
Fuelwood	*38305	*37891	*37150	*36282	*35737	*39076
Municipal waste	17640	17317	17656	19590	19590	19274
Industrial waste	3650	3112	3016	1967	2214	2383
Other recovered gases	2873	2299	2490	2127	2443	2047
Others	19700	21097	17195	9367	*4057	*1682
<b>Total input</b>	224577	209160	207619	190814	194079	185660
<b>Total production</b>	76666	71639	75115	66124	67241	68240
<b>Estimated efficiency (% of production to input)</b>	34	34	36	35	35	37

## Statistics on electricity

### Azerbaijan

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	24321	25229	26073	25839	27889	29041
Combustible fuels	22515	23339	24359	24627	26464	27300
Hydro	1746	1768	1565	1070	1277	1596
Nuclear	..	..	..	..	..	..
Other	59	122	150	143	148	145
Main activity	22232	23133	24004	23681	25731	26876
Combustible fuels	20445	21243	22290	22471	24309	25137
Hydro	1746	1768	1565	1067	1276	1595
Nuclear	..	..	..	..	..	..
Other	40	122	150	143	147	144
Own use in electricity, CHP and heat plants	877	869	816	762	776	783
Net production	23444	24361	25257	25077	27113	28258
Imports	108	131	137	137	152	137
Exports	1283	1445	1491	1151	1673	2997
Losses	2251	2220	2226	2042	2147	2186
Consumption	19987	20804	21649	21997	23418	23191
Energy industries own use	2902	2993	2983	2978	3032	2932
By industry and construction	3611	3724	4398	4459	4879	5004
By transport	397	384	397	303	289	335
By households and other cons.	13077	13704	13872	14257	15218	14921
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	7942	7829	7639	7622	7965	7977
Combustible fuels	6791	6597	6395	6371	6694	6697
Hydro	1106	1131	1145	1149	1157	1165
Nuclear	..	..	..	..	..	..
Other	44	101	99	101	114	115
Main activity	7172	6977	6821	6827	7229	7237
Combustible fuels	6029	5746	5578	5578	5962	5962
Hydro	1106	1131	1145	1149	1156	1164
Nuclear	..	..	..	..	..	..
Other	36	101	99	101	110	111
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	447	555	611	546	636	877
Fuel oil	12605	0	0	0	5410	4
Natural gas	213287	232430	232673	229728	238215	247832
Municipal waste	2782	2966	3075	3164	3019	3093
<b>Total input</b>	229121	235951	236358	233437	247280	251806
<b>Total production</b>	81055	84021	87691	88655	95270	98280
<b>Estimated efficiency (% of production to input)</b>	35	36	37	38	39	39

## Statistics on electricity

### Bahamas

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1909	1927	1897	1798	1968	2175
Combustible fuels	1905	1923	1892	1793	1960	2167
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	5	5	8	*9
Main activity	1834	1847	1805	1700	1863	2075
Combustible fuels	1830	1843	1800	1695	1855	2067
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	5	5	8	*9
Own use in electricity, CHP and heat plants	*77	*74	*92	*91	83	87
Net production	1832	1853	1805	1707	1885	2089
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*191	*190	*190	184	*286	*381
Consumption	1641	1663	1615	1523	1599	1708
Energy industries own use	..	..	..	..	..	..
By industry and construction	492	505	479	404	425	459
By transport	..	..	..	..	..	..
By households and other cons.	1149	1158	1136	1119	1174	1248
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	578	578	579	597	679	*685
Combustible fuels	576	576	576	593	669	*674
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	4	4	9	11
Main activity	539	539	540	558	634	*641
Combustible fuels	537	537	537	554	625	*630
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	4	4	9	11
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*15079	*14882	*14978	*14195	*15679	*17333
<b>Total input</b>	*15079	*14882	*14978	*14195	*15679	*17333
<b>Total production</b>	6858	6923	6811	6455	7055	7800
<b>Estimated efficiency (% of production to input)</b>	45	47	45	45	45	45

## Statistics on electricity

### Bahrain

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	29193	30893	34445	34769	35444	36954
Combustible fuels	29183	30884	34430	34752	35407	36879
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*10	9	16	17	37	74
Main activity	17949	19201	19194	19325	19870	20588
Combustible fuels	17939	19201	19194	19325	19869	20581
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*10	..	..	..	1	7
Own use in electricity, CHP and heat plants	40	1349	1356	1408	1442	1849
Net production	29153	29544	33089	33361	34002	35105
Imports	263	652	727	681	522	449
Exports	260	447	652	954	388	584
Losses	1420	795	871	1591	1013	*940
Consumption	27765	28986	30310	31752	33842	34444
Energy industries own use	..	..	..	..	..	..
By industry and construction	13889	14511	16052	17652	18713	19069
By transport	..	..	..	..	..	..
By households and other cons.	13876	14476	14258	14100	15129	15374
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	6977	6976	*6980	*6980	*7996	8140
Combustible fuels	6971	6970	*6970	*6970	*7970	8094
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*6	6	10	10	26	46
Main activity	3927	3920	*3920	*3920	*4924	5049
Combustible fuels	3921	3920	*3920	*3920	*4920	5044
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*6	..	..	..	4	5
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	..	33	38	47	58	27
Natural gas	368948	362732	413198	420046	410473	420274
<b>Total input</b>	368948	362765	413236	420094	410531	420301
<b>Total production</b>	105059	111181	123948	125107	127466	132766
<b>Estimated efficiency (% of production to input)</b>	28	31	30	30	31	32

**Statistics on electricity**
**Bangladesh**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*72287	77935	85046	85500	90847	94886
Combustible fuels	*70971	76552	83925	84207	90026	93811
Hydro	1041	1086	769	875	657	746
Nuclear	..	..	..	..	..	..
Other	274	297	353	419	164	329
Main activity	*54821	60460	67885	68983	72340	77917
Combustible fuels	*53506	59077	66764	67690	71519	76842
Hydro	1041	1086	769	875	657	746
Nuclear	..	..	..	..	..	..
Other	274	297	353	419	164	329
Own use in electricity, CHP and heat plants	2900	3244	4778	4804	1572	1615
Net production	*69387	74691	80268	80696	89275	93271
Imports	4656	4783	6786	6674	8103	7712
Exports	..	..	..	..	..	..
Losses	8389	8442	9533	9677	3150	3145
Consumption	67730	72578	79198	79881	87831	92838
Energy industries own use	..	..	..	..	..	..
By industry and construction	35285	35890	35493	33993	36665	38558
By transport	..	..	..	..	..	..
By households and other cons.	32445	36688	43705	45888	51166	54280
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	12213	*15293	18054	19531	21252	*21558
Combustible fuels	11817	*14927	17541	18955	20512	*20865
Hydro	230	230	230	230	230	230
Nuclear	..	..	..	..	..	..
Other	166	136	283	346	510	463
Main activity	9809	*10657	11551	12199	13111	*13064
Combustible fuels	9413	*10291	11038	11623	12371	*12371
Hydro	230	230	230	230	230	230
Nuclear	..	..	..	..	..	..
Other	166	136	283	346	510	463
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	12346	17159	11928	25948	51959	49881
Gas-diesel oil	25840	41979	18778	1291	6165	13772
Fuel oil	120418	131310	138286	114504	*80800	*88880
Natural gas	625559	620231	681840	680791	658193	637709
<b>Total input</b>	784163	810680	850832	822534	797117	790242
<b>Total production</b>	*255497	275587	302128	303144	324092	337719
<b>Estimated efficiency (% of production to input)</b>	33	34	36	37	41	43

**Statistics on electricity**
**Barbados**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1082	1076	1083	1016	1025	1068
Combustible fuels	1044	1032	1031	947	940	959
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	38	44	52	69	85	108
Main activity	1065	1059	1065	1000	1008	1050
Combustible fuels	1027	1015	1013	931	924	942
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	38	44	52	69	85	108
Own use in electricity, CHP and heat plants	71	80	69	93	97	66
Net production	1011	996	1014	923	928	1001
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	67	58	70	29	23	64
Consumption	944	943	944	894	903	939
Energy industries own use	..	..	..	..	..	..
By industry and construction	117	117	117	111	112	125
By transport	..	..	..	..	..	..
By households and other cons.	827	825	827	783	791	814
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	268	291	307	317	319	329
Combustible fuels	249	267	267	267	252	262
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	19	24	40	50	67	67
Main activity	258	281	297	307	309	319
Combustible fuels	239	257	257	257	242	252
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	19	24	40	50	67	67
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	253	233	216	603	338	331
Fuel oil	6773	7479	5842	5205	5365	6329
Other kerosene	382	393	405	342	308	321
Natural gas	175	261	232	207	152	172
Bagasse	25	28	31	34	47	49
<b>Total input</b>	7609	8395	6726	6390	6210	7202
<b>Total production</b>	3759	3716	3711	3411	3385	3454
<b>Estimated efficiency (% of production to input)</b>	49	44	55	53	55	48

## Statistics on electricity

### Belarus

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	34515	38986	40465	38548	41240	39400
Combustible fuels	33924	38386	39756	37441	34749	31734
Hydro	405	324	350	399	371	371
Nuclear	..	..	..	338	5780	6828
Other	186	276	359	370	340	467
Main activity	30780	35026	36202	34476	37458	35891
Combustible fuels	30207	34510	35596	33467	31061	28366
Hydro	396	316	343	391	364	364
Nuclear	..	..	..	338	5780	6828
Other	177	200	263	280	254	333
Own use in electricity, CHP and heat plants	2106	2220	2217	2232	2686	2627
Net production	32409	36766	38248	36316	38554	36773
Imports	5992	3257	3059	4277	4300	4000
Exports	3407	4248	5398	4777	4600	4700
Losses	2872	2835	2711	2736	2848	2686
Consumption	32122	32940	33198	33080	35406	33387
Energy industries own use	2170	2236	2268	2224	2398	2196
By industry and construction	12558	12987	13184	12907	13693	12484
By transport	1223	1311	1228	1165	1373	1194
By households and other cons.	16171	16406	16518	16784	17942	17514
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	10146	10151	10183	11339	*11342	*11518
Combustible fuels	9884	9808	9820	9801	*9800	*9859
Hydro	98	97	97	96	*96	*96
Nuclear	..	..	..	1170	*1170	*1170
Other	164	246	266	272	*275	*393
Main activity	9329	9182	9206	10329	*10331	*10507
Combustible fuels	9078	8909	8923	8874	*8873	*8932
Hydro	95	95	95	94	*94	*94
Nuclear	..	..	..	1170	*1170	*1170
Other	156	178	188	191	*193	*311
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	0	0	0	0	0	0
Peat	835	783	1070	1090	1146	1086
Biogas	441	450	416	2118	1996	1830
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	3241	3919	2262	19756	19042	17586
Refinery gas	1881	1386	1089	1931	1955	1830
Natural gas	438360	479261	468069	422418	419995	391297
Fuelwood	*4624	*6233	*12258	*14911	*15717	*14874
Industrial waste	675	672	688	290	302	285
Peat products	400	361	361	400	425	402
Others	0	0	0	0	0	0
<b>Total input</b>	450457	493065	486213	462913	460578	429192
<b>Total production</b>	122126	138190	143122	134788	125096	114242
<b>Estimated efficiency (% of production to input)</b>	27	28	29	29	27	27



## Statistics on electricity

### Belgium

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	86619	75040	93646	89455	100465	95944
Combustible fuels	32615	33171	34497	35277	30667	30773
Hydro	1397	1308	1181	1315	1350	1646
Nuclear	42227	28597	43524	34435	50326	43879
Other	10379	11965	14444	18429	18122	19647
Main activity	75142	62882	79753	74336	84822	79589
Combustible fuels	24995	25426	25339	25824	21156	21706
Hydro	1397	1308	1181	1315	1350	1646
Nuclear	42227	28597	43524	34435	50326	43879
Other	6523	7551	9710	12763	11989	12359
Own use in electricity, CHP and heat plants	3493	2969	3706	3332	3840	3657
Net production	83125	72071	89940	86124	96625	92288
Imports	14189	21636	12734	13722	15194	16350
Exports	8168	4308	14589	14055	23070	23877
Losses	3895	3827	3632	3498	3606	3356
Consumption	85231	85789	84680	81934	84299	79987
Energy industries own use	3119	3032	2976	3051	2937	3430
By industry and construction	38584	39010	38265	36333	38234	37253
By transport	1704	1748	1746	1617	1815	2133
By households and other cons.	41823	42001	41693	40933	41313	37171
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	22099	22770	24017	25820	26368	26746
Combustible fuels	8364	8086	8078	8085	7986	8159
Hydro	1414	1415	1411	1413	1418	1430
Nuclear	5918	5918	5930	5942	5851	4845
Other	6403	7351	8598	10380	11113	12312
Main activity	17111	17279	17641	18405	18496	17954
Combustible fuels	7019	6667	6463	6404	6282	6278
Hydro	1414	1415	1411	1413	1418	1430
Nuclear	5918	5918	5930	5942	5851	4845
Other	2759	3278	3838	4646	4945	5401
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	5478	5548	5613	5950	5916	6169
Gas-diesel oil	138	211	159	168	297	456
Refinery gas	1104	955	213	431	678	970
Natural gas	167238	175939	180407	189264	156369	155014
Blast furnace gas	18513	17943	19060	13955	16489	18425
Fuelwood	*32992	*30253	*27873	*29582	*24100	*25714
Municipal waste	30085	29701	29629	29408	31459	29597
Industrial waste	6247	6063	6253	5697	5619	4901
Other recovered gases	1213	1218	1303	1195	728	931
Other liquid biofuels	140	529	584	178	129	436
Others	730	653	636	549	361	591
<b>Total input</b>	263878	269012	271730	276377	242144	243203
<b>Total production</b>	117414	119414	124190	126998	110402	110781
<b>Estimated efficiency (% of production to input)</b>	44	44	46	46	46	46

## Statistics on electricity

### Belize

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	474	473	364	433	365	466
Combustible fuels	204	223	289	191	205	222
Hydro	271	250	75	242	158	239
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	3	5
Main activity	313	297	136	281	203	291
Combustible fuels	43	47	61	38	43	47
Hydro	271	250	75	242	158	239
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	3	5
Own use in electricity, CHP and heat plants	24	24	18	22	18	23
Net production	450	449	346	412	347	443
Imports	230	235	384	270	380	323
Exports	..	..	..	..	..	..
Losses	72	73	78	73	77	81
Consumption	571	573	608	557	579	622
Energy industries own use	..	..	..	..	..	..
By industry and construction	39	40	42	38	40	43
By transport	..	..	..	..	..	..
By households and other cons.	531	533	566	519	539	579
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	120	120	136	131	135	135
Combustible fuels	68	68	81	76	76	76
Hydro	51	51	55	55	55	55
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	4	4
Main activity	98	98	110	110	113	113
Combustible fuels	47	47	55	54	54	54
Hydro	51	51	55	55	55	55
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	4	4
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Crude oil	40	49	43	90	*148	161
Gas-diesel oil	8	6	7	34	131	245
Fuel oil	256	358	881	119	393	155
Liquefied petroleum gas	..	..	..	16	..	..
Natural gas	38	18	6	7	..	..
Bagasse	1841	2350	2596	2427	*2730	*2813
<b>Total input</b>	2182	2781	3533	2693	*3402	*3374
<b>Total production</b>	733	802	1039	686	737	798
<b>Estimated efficiency (% of production to input)</b>	34	29	29	25	22	24

## Statistics on electricity

### Benin

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	331	202	529	989	1127	1002
Combustible fuels	325	197	521	982	1110	968
Hydro	1	0	0	0	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	8	7	17	33
Main activity	233	88	366	823	932	786
Combustible fuels	226	83	359	817	917	755
Hydro	1	0	0	0	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	6	6	15	31
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	331	202	529	989	1127	1002
Imports	1008	1195	974	574	694	834
Exports	..	..	2	2	2	2
Losses	297	295	363	346	299	385
Consumption	1139	1183	1256	1205	1503	1481
Energy industries own use	..	..	..	..	95	0
By industry and construction	256	288	279	295	340	360
By transport	..	..	..	..	..	0
By households and other cons.	884	895	977	909	1068	1121
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*383	*383	*512	*512	*512	*538
Combustible fuels	*312	*312	*439	*439	*439	*439
Hydro	*66	*66	*66	*66	*66	*66
Nuclear	..	..	..	..	..	..
Other	5	5	7	7	7	33
Main activity	*338	*338	*465	*465	*465	*486
Combustible fuels	*267	*267	*394	*394	*394	*394
Hydro	*66	*66	*66	*66	*66	*66
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	5	26
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1024	876	1087	826	949	1532
Fuel oil	648	828	1025	1447	1171	1073
Natural gas	2224	727	2194	6457	7167	6199
<b>Total input</b>	3896	2431	4306	8730	9287	8804
<b>Total production</b>	1168	708	1876	3534	3997	3486
<b>Estimated efficiency (% of production to input)</b>	30	29	44	40	43	40

## Statistics on electricity

### Bermuda

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	676	644	613	*590	*595	*601
Combustible fuels	675	642	611	*588	*593	*598
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*2	*2	*2	*2	*2
Main activity	662	629	598	*575	*580	*585
Combustible fuels	662	629	598	*575	*580	*585
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	45	39	*16	*32	*32	*33
Net production	631	605	597	*558	*563	*568
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*45	*38	*41	*40	*40	*41
Consumption	585	568	554	518	523	*527
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	585	568	554	518	523	*527
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*174	*176	*176	*177	*177	*177
Combustible fuels	*171	*172	*172	*173	*173	*173
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*3	4	4	*4	*4	*4
Main activity	*167	*167	*167	*167	*167	*167
Combustible fuels	*167	*167	*167	*167	*167	*167
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*903	*912	*636	*205	*111	*129
Fuel oil	*4464	*4949	*4452	*3575	*4705	*4795
Municipal waste	*590	*600	*600	*600	*600	*600
<b>Total input</b>	*5957	*6461	*5688	*4381	*5416	*5524
<b>Total production</b>	2431	2313	2200	*2117	*2133	*2154
<b>Estimated efficiency (% of production to input)</b>	41	36	39	48	39	39

## Statistics on electricity

### Bhutan

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	7730	6960	8858	11371	11371	10961
Combustible fuels	0	0	0	0	0	0
Hydro	7728	6959	8857	11370	11370	10960
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	1	1
Main activity	7730	6960	8858	11371	11371	10961
Combustible fuels	0	0	0	0	0	0
Hydro	7728	6959	8857	11370	11370	10960
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	1	1
Own use in electricity, CHP and heat plants	108	100	112	100	121	148
Net production	7622	6860	8746	11271	11250	10812
Imports	92	134	96	82	98	204
Exports	5701	4581	6147	9260	8076	7240
Losses	269	162	144	140	147	150
Consumption	2186	2186	2279	1961	2455	2467
Energy industries own use	..	..	..	..	..	..
By industry and construction	1599	1815	1745	1338	1805	1815
By transport	..	..	..	..	..	..
By households and other cons.	587	371	534	623	650	652
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1623	1623	2342	2343	2335	2335
Combustible fuels	8	8	7	8	8	8
Hydro	1614	1614	2334	2334	2326	2326
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Main activity	1623	1623	2342	2343	2335	2335
Combustible fuels	8	8	7	8	8	8
Hydro	1614	1614	2334	2334	2326	2326
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*3	0	0	0	0	0
<b>Total input</b>	*3	0	0	0	0	0
<b>Total production</b>	1	0	0	0	0	0
<b>Estimated efficiency (% of production to input)</b>	32	33	..	32	32	30

**Statistics on electricity**
**Bolivia (Plur. State of)**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	9617	9988	10259	9978	10879	11408
Combustible fuels	7317	7190	6749	6640	7172	7767
Hydro	2234	2612	3251	2942	3237	2852
Nuclear	..	..	..	..	..	..
Other	66	186	258	397	470	790
Main activity	9265	9587	9830	9480	10217	10700
Combustible fuels	6969	6795	6327	6144	6514	7063
Hydro	2230	2606	3245	2939	3233	2848
Nuclear	..	..	..	..	..	..
Other	66	186	258	397	470	790
Own use in electricity, CHP and heat plants	496	386	389	458	525	621
Net production	9120	9603	9870	9521	10354	10787
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	855	883	895	883	929	1031
Consumption	8374	8450	8680	8365	9011	9505
Energy industries own use	..	..	..	..	..	..
By industry and construction	2152	2071	2154	1856	2198	2295
By transport	13	22	30	18	25	25
By households and other cons.	6209	6357	6496	6492	6789	7185
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2585	2771	3704	3713	4137	4223
Combustible fuels	1928	1983	2797	2805	3076	3156
Hydro	619	690	759	759	760	759
Nuclear	..	..	..	..	..	..
Other	38	98	148	149	301	307
Main activity	2298	2442	3375	3384	3984	4004
Combustible fuels	1642	1656	2470	2477	2924	2939
Hydro	618	689	758	758	759	758
Nuclear	..	..	..	..	..	..
Other	38	98	148	149	301	307
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	2675	2838	2944	2805	2628	2414
Natural gas	81528	74935	67254	58735	60203	62691
Bagasse	*4105	*4911	*10879	*7978	*16235	*12362
<b>Total input</b>	88308	82684	81078	69519	79066	77467
<b>Total production</b>	26341	25883	24297	23903	25821	27960
<b>Estimated efficiency (% of production to input)</b>	30	31	30	34	33	36

Statistics on electricity

Bonaire, St Eustatius, Saba

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	137	137	145	145	156	*163
Combustible fuels	101	91	104	112	119	*126
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	35	45	41	33	*38	*37
Main activity	137	137	145	145	156	*163
Combustible fuels	101	91	104	112	119	*126
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	35	45	41	33	*38	*37
Own use in electricity, CHP and heat plants	12	*11	*12	*12	*12	*13
Net production	125	125	132	133	144	*150
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*21	*20	*22	*22	*23	*25
Consumption	*104	*105	*110	*111	*121	*125
Energy industries own use	..	..	..	..	..	..
By industry and construction	*53	*54	*58	*57	*62	*63
By transport	..	..	..	..	..	..
By households and other cons.	*51	*51	*53	*54	*59	*62
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*36	*36	*38	*38	*38	*39
Combustible fuels	*20	*19	*20	*20	*20	*21
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	16	17	18	18	18	18
Main activity	*36	*36	*38	*38	*38	*39
Combustible fuels	*20	*19	*20	*20	*20	*21
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	16	17	18	18	18	18
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	*912	*823	*933	*1010	*1067	*1131
<b>Total input</b>	*912	*823	*933	*1010	*1067	*1131
<b>Total production</b>	365	329	373	404	427	*452
<b>Estimated efficiency (% of production to input)</b>	40	40	40	40	40	40

**Statistics on electricity**
**Bosnia and Herzegovina**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	16439	19160	17493	16874	18536	16384
Combustible fuels	12431	12517	11037	11904	11286	11140
Hydro	3987	6519	6172	4663	6796	4739
Nuclear	..	..	..	..	..	..
Other	21	124	284	307	454	505
Main activity	15998	18722	17081	16527	18122	15950
Combustible fuels	11990	12079	10625	11557	10872	10706
Hydro	3987	6519	6172	4663	6796	4739
Nuclear	..	..	..	..	..	..
Other	21	124	284	307	454	505
Own use in electricity, CHP and heat plants	1200	1248	1099	1240	1156	1166
Net production	15239	17912	16394	15634	17380	15218
Imports	3346	3092	2825	3266	3259	3828
Exports	5187	7698	6565	7317	8014	6856
Losses	1347	1349	1257	1230	1334	1264
Consumption	12038	11957	11397	10353	11292	10926
Energy industries own use	640	501	404	417	462	308
By industry and construction	4344	4367	3690	2602	3147	2846
By transport	76	59	59	59	55	63
By households and other cons.	6978	7030	7244	7275	7628	7709
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4522	4440	4485	4507	4594	4641
Combustible fuels	2295	2135	2137	2136	2146	2146
Hydro	2211	2236	2239	2249	2257	2258
Nuclear	..	..	..	..	..	..
Other	16	69	109	122	191	237
Main activity	4292	4370	4414	4437	4516	4563
Combustible fuels	2065	2065	2066	2066	2068	2068
Hydro	2211	2236	2239	2249	2257	2258
Nuclear	..	..	..	..	..	..
Other	16	69	109	122	191	237
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	140569	139342	127268	133099	125802	127096
Biogas	63	97	67	104	49	45
Fuel oil	646	444	485	466	350	465
Natural gas	297	289	269	62	106	147
Coke-oven gas	..	..	..	1159	1205	1178
Blast furnace gas	..	..	..	406	469	550
Fuelwood	196	198	183	219	795	594
<b>Total input</b>	141771	140370	128271	135515	128776	130075
<b>Total production</b>	44752	45061	39733	42854	40630	40104
<b>Estimated efficiency (% of production to input)</b>	32	32	31	32	32	31



## Statistics on electricity

### Botswana

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	3022	3105	3277	2182	2409	2550
Combustible fuels	3020	3100	3272	2176	2403	2542
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	5	5	6	6	8
Main activity	3022	3105	3277	2182	2409	2550
Combustible fuels	3020	3100	3272	2176	2403	2542
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	5	5	6	6	8
Own use in electricity, CHP and heat plants	440	375	453	271	297	326
Net production	2582	2730	2824	1911	2112	2224
Imports	1288	1189	1101	2087	1662	1798
Exports	..	..	86	42	2	15
Losses	576	410	632	676	573	617
Consumption	3280	3209	3778	3861	3762	3947
Energy industries own use	..	..	..	..	..	..
By industry and construction	1090	933	923	897	843	996
By transport	..	..	..	..	..	..
By households and other cons.	2190	2276	2855	2964	2919	2951
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	755	756	758	758	758	759
Combustible fuels	752	752	752	752	752	752
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	4	6	6	6	7
Main activity	735	736	738	738	738	739
Combustible fuels	732	732	732	732	732	732
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	4	6	6	6	7
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	45212	33673	42991	30557	34358	43126
Gas-diesel oil	111	72	645	772	1344	*1303
<b>Total input</b>	45323	33744	43636	31329	35703	44429
<b>Total production</b>	10872	11159	11779	7834	8651	9151
<b>Estimated efficiency (% of production to input)</b>	24	33	27	25	24	21

## Statistics on electricity

### Brazil

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	589326	601396	626329	621198	656109	677372
Combustible fuels	159476	144815	149682	143017	189301	123467
Hydro	370906	388971	397877	396328	362818	427114
Nuclear	15739	15674	16129	14053	14705	14559
Other	43205	51936	62641	67800	89285	112232
Main activity	491147	500232	523944	514747	542141	551753
Combustible fuels	80093	63542	68433	59141	100737	36348
Hydro	352313	369641	378450	378583	346816	406653
Nuclear	15739	15674	16129	14053	14705	14559
Other	43002	51375	60932	62970	79883	94194
Own use in electricity, CHP and heat plants	7765	7820	7624	6474	8266	5789
Net production	581561	593576	618705	614724	647843	671583
Imports	36511	34980	25156	25113	23147	17887
Exports	156	1	199	395	44	4979
Losses	97619	97973	105647	105727	108403	103995
Consumption	520295	530581	538014	533716	562543	580297
Energy industries own use	21875	23642	25140	25168	29958	29355
By industry and construction	199682	200760	195866	197545	213329	218743
By transport	2055	1968	2251	2014	2636	2636
By households and other cons.	296683	304211	314757	308989	316620	329562
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	157579	163509	172280	179517	190637	206452
Combustible fuels	41881	40561	41281	43153	44981	46441
Hydro	100319	104198	109155	109294	109477	109807
Nuclear	1990	1990	1990	1990	1990	1990
Other	13389	16760	19854	25080	34189	48214
Main activity	132638	138011	145798	149530	155755	162539
Combustible fuels	22130	20636	21152	22870	24109	24898
Hydro	95300	99137	104087	104136	104317	104717
Nuclear	1990	1990	1990	1990	1990	1990
Other	13218	16248	18569	20534	25339	30934
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	205225	182108	197693	164606	244598	140826
Biogas	7993	8532	11245	13011	26531	26092
Gas-diesel oil	44634	52288	61533	60243	82832	61503
Refinery gas	19153	20316	23746	20831	25448	23244
Natural gas	577284	481645	542964	475956	815477	437596
Coke-oven gas	16320	15411	14922	14292	16833	15316
Blast furnace gas	..	..	..	..	..	43397
Fuelwood	15466	17037	16425	17046	17494	17886
Bagasse	222813	220118	226064	238026	209477	196805
Vegetal waste	327563	368888	130580	144180	206661	156434
Others	75700	51144	31915	31668	91290	31738
<b>Total input</b>	1512150	1417486	1257087	1179859	1736641	1150837
<b>Total production</b>	574114	521334	538855	514861	681484	444481
<b>Estimated efficiency (% of production to input)</b>	38	37	43	44	39	39

Statistics on electricity

British Virgin Islands

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	176	161	201	*205	*209	*212
Combustible fuels	173	159	198	*201	*205	*209
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	4	4
Main activity	176	161	201	*205	*209	*212
Combustible fuels	173	159	198	*201	*205	*209
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	4	4
Own use in electricity, CHP and heat plants	21	17	33	*26	*26	*25
Net production	155	145	167	*179	*182	*188
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	7	8	2	*11	*11	*13
Consumption	149	137	166	*168	*172	*175
Energy industries own use	..	..	..	..	..	..
By industry and construction	5	3	5	*5	*6	*6
By transport	..	..	..	..	..	..
By households and other cons.	144	134	160	*163	*166	*169
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	61	60	61	65	65	65
Combustible fuels	60	59	59	63	63	63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	2	2
Main activity	61	60	61	65	65	65
Combustible fuels	60	59	59	63	63	63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	2	2	2	2
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1604	1368	1660	*1681	*1711	*1742
<b>Total input</b>	1604	1368	1660	*1681	*1711	*1742
<b>Total production</b>	624	571	714	*724	*737	*751
<b>Estimated efficiency (% of production to input)</b>	39	42	43	43	43	43

## Statistics on electricity

### Brunei Darussalam

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4157	4294	4933	5736	5700	5602
Combustible fuels	4155	4292	4931	5734	5695	5597
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	4	5
Main activity	3724	3853	4021	4074	4048	4008
Combustible fuels	3722	3852	4019	4073	4047	4007
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	1	1
Own use in electricity, CHP and heat plants	136	129	133	135	125	120
Net production	4021	4165	4799	5601	5575	5482
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	481	481	497	439	513	504
Consumption	3538	3684	4304	5129	5176	4908
Energy industries own use	426	400	398	398	379	355
By industry and construction	134	190	709	1356	1390	1380
By transport	..	..	..	..	..	..
By households and other cons.	2978	3094	3197	3376	3406	3173
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	993	993	1109	*1127	1138	1138
Combustible fuels	992	992	1108	*1126	1133	1133
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	*5	*5
Main activity	876	876	875	*893	900	900
Combustible fuels	875	875	874	*892	899	899
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	..	..	6426	12710	16485	16031
Gas-diesel oil	559	559	584	470	374	449
Natural gas	51660	54943	53240	55325	56655	52166
<b>Total input</b>	52219	55502	60251	68505	73514	68645
<b>Total production</b>	14958	15451	17752	20644	20503	20150
<b>Estimated efficiency (% of production to input)</b>	29	28	29	30	28	29

## Statistics on electricity

### Bulgaria

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	45613	46838	44277	40754	47568	50499
Combustible fuels	23633	22606	21573	17827	23079	26583
Hydro	3493	5423	3383	3320	5067	3833
Nuclear	15545	16125	16555	16626	16487	16462
Other	2941	2683	2765	2981	2935	3621
Main activity	44925	46130	43555	40017	46642	49592
Combustible fuels	22980	21921	20883	17125	22188	25790
Hydro	3493	5423	3383	3320	5067	3833
Nuclear	15545	16125	16555	16626	16487	16462
Other	2907	2661	2734	2946	2900	3506
Own use in electricity, CHP and heat plants	4261	4123	3956	3532	4110	4539
Net production	41352	42714	40321	37223	43458	45960
Imports	3705	2223	3045	3707	1857	1470
Exports	9186	10030	8855	7115	10635	13665
Losses	3476	3102	2767	2595	2602	2511
Consumption	32349	31749	32346	30545	32466	32077
Energy industries own use	2440	1826	2131	1935	1496	1358
By industry and construction	9737	9872	9830	9457	9693	9608
By transport	378	353	456	423	450	454
By households and other cons.	19794	19698	19929	18730	20826	20657
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	11064	11530	11429	11195	11411	12063
Combustible fuels	3785	4220	4097	3806	3854	4025
Hydro	3372	3379	3378	3376	3369	3390
Nuclear	1967	2008	2006	2006	2006	2006
Other	1940	1923	1948	2006	2182	2642
Main activity	10619	11105	11068	10836	11037	11576
Combustible fuels	3551	3986	3936	3651	3683	3812
Hydro	3372	3379	3378	3376	3369	3390
Nuclear	1967	2008	2006	2006	2006	2006
Other	1729	1732	1748	1803	1979	2369
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	9340	4152	3799	3464	4485	4679
Brown Coal	216370	194454	180328	139924	174798	225534
Lignite briquettes	13244	9541	7629	6731	8816	7397
Biogas	1631	1875	1824	1950	2066	1683
Gas-diesel oil	92	74	52	1	3	2
Fuel oil	778	687	460	260	697	1369
Refinery gas	956	410	899	832	788	1202
Petroleum coke	5139	1645	1442	1288	1444	1261
Natural gas	27602	28601	30448	31440	41409	28802
Fuelwood	*1668	*16297	*20717	*18472	*29844	*24449
Others	0	1107	945	282	0	0
<b>Total input</b>	276820	258843	248543	204644	264348	296379
<b>Total production</b>	85080	81383	77664	64177	83083	95700
<b>Estimated efficiency (% of production to input)</b>	31	31	31	31	31	32

**Statistics on electricity**
**Burkina Faso**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*1729	1746	*1576	*1442	*1672	*1532
Combustible fuels	*1589	1561	*1388	*1273	*1486	*1386
Hydro	128	129	105	112	128	82
Nuclear	..	..	..	..	..	..
Other	11	56	82	57	58	64
Main activity	*1073	1206	776	572	872	712
Combustible fuels	*933	1021	588	403	686	566
Hydro	128	129	105	112	128	82
Nuclear	..	..	..	..	..	..
Other	11	56	82	57	58	64
Own use in electricity, CHP and heat plants	42	57	49	47	43	*46
Net production	*1686	1689	*1527	*1395	*1629	*1486
Imports	645	837	1087	1486	1381	1492
Exports	..	..	..	..	..	..
Losses	237	235	68	*268	*280	*283
Consumption	2056	2222	2474	*2556	*2668	*2695
Energy industries own use	..	..	..	..	..	0
By industry and construction	1049	1134	1283	*1355	*1433	*1447
By transport	..	..	..	..	..	0
By households and other cons.	1007	1087	1191	*1202	*1235	*1248
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	495	519	554	593	620	630
Combustible fuels	459	463	467	505	532	534
Hydro	32	32	32	32	32	32
Nuclear	..	..	..	..	..	..
Other	*4	*24	55	55	56	64
Main activity	329	349	382	438	439	446
Combustible fuels	293	293	295	351	351	350
Hydro	32	32	32	32	32	32
Nuclear	..	..	..	..	..	..
Other	*4	*24	55	55	56	64
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	*36	*36	*36	*36	*36	*36
Gas-diesel oil	1204	1075	1763	1711	1797	1815
Fuel oil	11595	11150	7636	*7405	*8888	*9066
Other oil products	925	925	2171	2211	*2251	*2251
Municipal waste	32	2095	1393	*1407	*1428	*1440
<b>Total input</b>	13792	15281	12999	*12771	*14401	*14607
<b>Total production</b>	*5722	5619	*4997	*4581	*5351	*4988
<b>Estimated efficiency (% of production to input)</b>	41	37	38	36	37	34

## Statistics on electricity

### Burundi

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	189	246	269	276	262	305
Combustible fuels	80	105	129	92	124	125
Hydro	100	133	132	176	131	167
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	*8	13
Main activity	182	240	264	270	257	288
Combustible fuels	74	99	124	87	118	108
Hydro	100	133	132	176	131	167
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	*8	13
Own use in electricity, CHP and heat plants	11	13	14	15	*13	14
Net production	177	233	255	261	249	291
Imports	*110	*100	*100	*89	*101	*100
Exports	..	..	..	..	..	..
Losses	*47	*55	*57	*56	*56	*60
Consumption	*241	*278	*298	*294	*295	*331
Energy industries own use	..	..	..	..	..	..
By industry and construction	*95	*120	*126	*125	*124	*140
By transport	..	..	..	..	..	..
By households and other cons.	*146	*158	*173	*169	*171	*191
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	71	88	108	108	112	127
Combustible fuels	*18	35	55	55	55	55
Hydro	48	48	48	48	48	63
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	9	9
Main activity	67	84	104	104	108	123
Combustible fuels	*14	31	51	51	51	51
Hydro	48	48	48	48	48	63
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	9	9
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	*921	*1212	*1252	*877	*1196	1131
Bagasse	*119	*102	*98	*100	*100	*270
<b>Total input</b>	*1040	*1314	*1350	*977	*1296	1401
<b>Total production</b>	290	377	465	332	446	450
<b>Estimated efficiency (% of production to input)</b>	28	29	34	34	34	32

## Statistics on electricity

### Cabo Verde

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	491	497	512	454	475	544
Combustible fuels	409	394	414	371	382	443
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	83	103	98	83	93	100
Main activity	491	496	511	453	474	543
Combustible fuels	408	393	413	370	381	442
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	83	103	98	83	93	100
Own use in electricity, CHP and heat plants	15	13	12	13	12	12
Net production	477	484	500	441	463	532
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	109	110	110	109	112	115
Consumption	*367	*373	*389	*331	*350	*417
Energy industries own use	..	..	..	..	..	..
By industry and construction	*64	*65	*62	*55	*58	*66
By transport	..	..	..	..	..	..
By households and other cons.	*303	*308	*328	*276	*292	*351
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	182	185	193	181	178	191
Combustible fuels	148	148	156	144	141	146
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	35	37	37	37	37	44
Main activity	182	184	192	180	178	190
Combustible fuels	147	147	155	143	140	146
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	35	37	37	37	37	44
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*497	*509	*565	*531	*526	*635
Fuel oil	3131	*2986	*3119	*2711	*2816	*3256
<b>Total input</b>	3628	*3495	*3684	*3242	*3342	*3891
<b>Total production</b>	1472	1418	1490	1335	1374	1596
<b>Estimated efficiency (% of production to input)</b>	41	41	40	41	41	41



## Statistics on electricity

### Cambodia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	6831	8328	8995	9092	10208	10643
Combustible fuels	4115	3575	4872	4739	4324	3759
Hydro	2711	4737	4025	4048	5249	6157
Nuclear	..	..	..	..	..	..
Other	5	17	98	304	635	726
Main activity	6831	8328	8995	9092	10208	10643
Combustible fuels	4115	3575	4872	4739	4324	3759
Hydro	2711	4737	4025	4048	5249	6157
Nuclear	..	..	..	..	..	..
Other	5	17	98	304	635	726
Own use in electricity, CHP and heat plants	0	0	0	419	395	443
Net production	6831	8328	8995	8673	9812	10199
Imports	1439	1567	3063	3820	3385	4799
Exports	..	..	..	..	..	..
Losses	1332	1090	1360	1105	1279	1453
Consumption	7027	8632	10191	11304	11816	13424
Energy industries own use	..	..	..	..	..	..
By industry and construction	1748	2290	3383	4245	4257	4836
By transport	..	..	..	..	..	..
By households and other cons.	5279	6341	6808	7059	7560	8588
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1878	2187	2443	2991	3033	3464
Combustible fuels	888	847	1007	1365	1325	1351
Hydro	980	1330	1330	1330	1332	1676
Nuclear	..	..	..	..	..	..
Other	10	10	105	297	377	437
Main activity	1878	2187	2443	2991	3033	3464
Combustible fuels	888	847	1007	1365	1325	1351
Hydro	980	1330	1330	1330	1332	1676
Nuclear	..	..	..	..	..	..
Other	10	10	105	297	377	437
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	30719	32858	41546	48971	36630	33904
Gas-diesel oil	2077	2146	5250	688	852	533
Fuel oil	1305	1349	3301	3757	4654	2909
Vegetal waste	538	488	1388	1272	956	240
<b>Total input</b>	34638	36841	51485	54689	43093	37585
<b>Total production</b>	14814	12868	17538	17061	15565	13533
<b>Estimated efficiency (% of production to input)</b>	43	35	34	31	36	36

## Statistics on electricity

### Cameroon

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	8088	8590	8483	8650	9484	9974
Combustible fuels	2982	3547	3234	3660	3130	2896
Hydro	5090	5023	5229	4945	6309	7033
Nuclear	..	..	..	..	..	..
Other	16	20	20	45	46	46
Main activity	5392	5337	5487	5173	6534	7266
Combustible fuels	286	295	238	182	179	188
Hydro	5090	5023	5229	4945	6309	7033
Nuclear	..	..	..	..	..	..
Other	16	20	20	45	46	46
Own use in electricity, CHP and heat plants	236	251	248	253	277	291
Net production	7852	8339	8236	8398	9207	9683
Imports	60	49	53	58	65	57
Exports	..	..	..	..	..	..
Losses	1790	1805	1864	1900	2084	2191
Consumption	6186	6570	6488	6616	7254	7628
Energy industries own use	..	..	..	..	..	..
By industry and construction	3452	3666	3621	3692	4048	4257
By transport	..	..	..	..	..	..
By households and other cons.	2734	2903	2868	2924	3206	3371
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*2053	*1664	*1744	*1745	*1757	*1758
Combustible fuels	*1265	*918	*918	*918	*918	*918
Hydro	777	732	812	812	812	813
Nuclear	..	..	..	..	..	..
Other	12	14	14	14	26	26
Main activity	1403	1014	1094	1095	1107	1108
Combustible fuels	615	268	268	268	268	268
Hydro	777	732	812	812	812	813
Nuclear	..	..	..	..	..	..
Other	12	14	14	14	26	26
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	10616	10914	9375	7836	7721	8084
Fuel oil	3455	3554	2875	2197	2164	2266
Natural gas	22550	29315	27673	35469	28843	25335
Fuelwood	*355	*369	*382	*384	*398	*412
<b>Total input</b>	36977	44153	40306	45886	39126	36098
<b>Total production</b>	10736	12770	11644	13176	11268	10424
<b>Estimated efficiency (% of production to input)</b>	29	29	29	29	29	29

## Statistics on electricity

### Canada

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	662678	658445	652113	651463	644689	651311
Combustible fuels	131690	134555	132277	126506	126562	123332
Hydro	394659	385967	381843	386617	383963	397727
Nuclear	101299	100731	101197	98195	92629	87239
Other	35030	37192	36796	40145	41535	43013
Main activity	599500	596299	591192	590805	590776	596597
Combustible fuels	100438	103880	102369	95946	96515	92404
Hydro	364520	356414	352967	358839	362271	376309
Nuclear	101299	100731	101197	98195	92629	87239
Other	33243	35274	34659	37825	39361	40645
Own use in electricity, CHP and heat plants	18604	18693	18528	18060	17735	17372
Net production	644074	639752	633585	633403	626954	633939
Imports	9904	13195	13333	9784	13016	14116
Exports	72040	61401	60411	67421	60393	65405
Losses	35407	33525	33548	32891	32017	31850
Consumption	536126	545835	551990	539936	547819	559168
Energy industries own use	20378	17672	23149	21801	22135	22659
By industry and construction	184167	188343	185595	177287	184756	190276
By transport	7865	7962	7734	7603	7955	8449
By households and other cons.	323716	331858	335512	333245	332973	337784
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	147444	148464	148929	150305	152621	153744
Combustible fuels	37305	37549	37393	39155	39397	38388
Hydro	80831	81570	81570	81383	82307	83312
Nuclear	14033	13338	13338	12513	12513	11578
Other	15275	16007	16628	17254	18404	20466
Main activity	135374	136027	136399	137322	139461	140432
Combustible fuels	31747	31850	31708	33203	33408	32552
Hydro	75699	76395	76395	76165	77030	77970
Nuclear	14033	13338	13338	12513	12513	11578
Other	13895	14444	14958	15441	16510	18332
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	48616	52038	49663	43962	42234	35392
Brown Coal	524953	396763	374090	298513	267523	205371
Biogas	9161	8649	8543	8222	8220	8220
Gas-diesel oil	12728	14749	13760	12685	13244	13975
Fuel oil	26220	23109	19675	17049	17776	23432
Refinery gas	11039	12920	9554	9851	6732	9851
Petroleum coke	27755	28275	26520	20443	14723	22035
Natural gas	624031	727501	736919	769338	807734	844945
Fuelwood	*98899	*95952	*93993	*87076	*87394	*77837
Municipal waste	4529	4434	4406	4445	4408	4408
Others	3385	2814	2958	2728	2585	2347
<b>Total input</b>	1391315	1367203	1340080	1274311	1272572	1247813
<b>Total production</b>	474084	484398	476197	455422	455623	443995
<b>Estimated efficiency (% of production to input)</b>	34	35	36	36	36	36

Statistics on electricity

Cayman Islands

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	671	658	696	668	678	698
Combustible fuels	671	658	696	668	678	698
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	671	658	696	668	678	698
Combustible fuels	671	658	696	668	678	698
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	671	658	696	668	678	698
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	29	9	6	3	2	7
Consumption	642	649	689	665	677	691
Energy industries own use	..	..	..	..	..	..
By industry and construction	312	318	330	292	301	313
By transport	..	..	..	..	..	..
By households and other cons.	330	331	359	373	376	378
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	161	161	161	161	161	166
Combustible fuels	161	161	161	161	161	166
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	161	161	161	161	161	166
Combustible fuels	161	161	161	161	161	166
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	5534	5586	6368	6105	6075	6073
<b>Total input</b>	5534	5586	6368	6105	6075	6073
<b>Total production</b>	2414	2368	2504	2404	2442	2512
<b>Estimated efficiency (% of production to input)</b>	44	42	39	39	40	41

**Statistics on electricity**
**Central African Rep.**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	145	144	142	141	141	142
Combustible fuels	5	2	2	1	1	*1
Hydro	140	142	140	140	140	141
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	145	144	142	141	141	142
Combustible fuels	5	2	2	1	1	*1
Hydro	140	142	140	140	140	141
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	145	144	142	141	141	142
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*22	*22	*21	*21	*21	*22
Consumption	95	95	93	99	99	*100
Energy industries own use	..	..	..	..	..	..
By industry and construction	8	8	23	23	23	*23
By transport	..	..	..	..	..	..
By households and other cons.	87	87	70	76	76	*77
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
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
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*52	*20	*18	*8	*8	*8
<b>Total input</b>	*52	*20	*18	*8	*8	*8
<b>Total production</b>	18	7	6	3	3	*3
<b>Estimated efficiency (% of production to input)</b>	35	35	35	36	36	35

**Statistics on electricity**
**Chad**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	308	312	317	336	336	*336
Combustible fuels	299	303	308	326	326	*326
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	9	9	10	10	*10
Main activity	308	312	317	336	336	*336
Combustible fuels	299	303	308	326	326	*326
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	9	9	10	10	*10
Own use in electricity, CHP and heat plants	17	19	20	21	21	*21
Net production	291	293	297	315	315	*315
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*45	*45	*46	*53	*55	*50
Consumption	*242	*245	*249	*259	*256	*262
Energy industries own use	..	..	..	..	..	..
By industry and construction	*85	*86	*87	*87	*87	*90
By transport	..	..	..	..	..	..
By households and other cons.	*157	*159	*162	*172	*169	*172
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	163	164	164	164	164	165
Combustible fuels	162	162	162	162	162	162
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	3
Main activity	163	164	164	164	164	165
Combustible fuels	162	162	162	162	162	162
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	2	2	2	3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*2537	*2580	*2636	*2666	*2709	*2709
<b>Total input</b>	*2537	*2580	*2636	*2666	*2709	*2709
<b>Total production</b>	1076	1091	1109	1174	1174	*1174
<b>Estimated efficiency (% of production to input)</b>	42	42	42	44	43	43

## Statistics on electricity

### Chile

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	79443	82339	84558	83994	88019	91019
Combustible fuels	50628	49952	50564	48331	50154	45261
Hydro	21315	23367	22477	21873	19348	20684
Nuclear	..	..	..	..	..	..
Other	7499	9020	11517	13790	18517	25074
Main activity	72059	75364	78033	77369	81391	84534
Combustible fuels	43290	43043	44076	41783	43752	39196
Hydro	21271	23307	22447	21816	19180	20495
Nuclear	..	..	..	..	..	..
Other	7497	9015	11510	13770	18458	24843
Own use in electricity, CHP and heat plants	2389	2431	2458	2393	1910	2397
Net production	77054	79908	82100	81600	86109	88622
Imports	0	0	..	..	..	..
Exports	39	..	..	..	..	..
Losses	4175	3511	3570	3281	4225	4547
Consumption	70350	73716	74843	75117	76961	79999
Energy industries own use	727	682	746	603	640	641
By industry and construction	41432	44091	44552	44810	44930	46899
By transport	963	1151	1296	1289	1244	1507
By households and other cons.	27228	27792	28249	28416	30146	30950
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	26207	27535	27646	30007	33444	37562
Combustible fuels	16500	16877	16544	17564	17752	17752
Hydro	6656	6627	6341	6818	6797	7502
Nuclear	..	..	..	..	..	..
Other	3051	4031	4761	5625	8896	12308
Main activity	22538	23293	24288	25469	28906	32910
Combustible fuels	12842	12652	13234	13115	13303	13303
Hydro	6648	6619	6333	6768	6747	7452
Nuclear	..	..	..	..	..	..
Other	3047	4023	4721	5586	8857	12156
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	281026	264847	310619	290873	256127	212274
Brown Coal	..	..	..	..	..	1324
Biogas	2904	3659	3327	2543	2358	3452
Gas-diesel oil	11459	7373	6717	10029	19862	19862
Fuel oil	3409	2074	1878	1897	2500	2500
Liquefied petroleum gas	117	35	14	30	71	103
Petroleum coke	6663	7217	7345	4535	4886	4886
Natural gas	105835	100812	122629	117319	133417	145225
Fuelwood	*157602	*147965	*145882	*138302	*147750	*139829
Black liquor	*33359	*38481	*35206	*39536	*61516	*47203
Others	0	..	..	..	..	..
<b>Total input</b>	602373	572464	633618	605063	628489	576659
<b>Total production</b>	182262	179829	182030	173991	180553	162939
<b>Estimated efficiency (% of production to input)</b>	30	31	29	29	29	28

## Statistics on electricity

### China

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	6604476	7166133	7503458	7779060	8534273	8848707
Combustible fuels	4754595	5096318	5220150	5330250	5805870	5888795
Hydro	1197865	1231787	1304440	1355210	1339000	1352195
Nuclear	248100	294359	348350	366250	407520	417775
Other	403916	543669	630518	727350	981883	1189942
Main activity	6218878	6752822	7080104	7346777	8063417	8371126
Combustible fuels	4368997	4683007	4796796	4897967	5335014	5411214
Hydro	1197865	1231787	1304440	1355210	1339000	1352195
Nuclear	248100	294359	348350	366250	407520	417775
Other	403916	543669	630518	727350	981883	1189942
Own use in electricity, CHP and heat plants	509662	553523	570341	588602	622333	647868
Net production	6094814	6612610	6933117	7190458	7911940	8200839
Imports	6423	5688	4860	4750	5940	7138
Exports	19470	20906	21650	21790	20180	20088
Losses	319583	335171	333010	323350	325611	306288
Consumption	5762182	6262126	6583287	6850062	7572092	7881606
Energy industries own use	246475	261166	284598	282496	318204	329901
By industry and construction	3608516	3848414	3981029	4142006	4509398	4566299
By transport	141798	160850	175230	*175100	*199302	*204141
By households and other cons.	1765392	1991696	2142430	2250460	2545188	2781265
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1824130	1952038	2065020	2258630	2427780	2609470
Combustible fuels	1149480	1195998	1244540	1302840	1347390	1382390
Hydro	344110	352590	358040	370280	390920	413500
Nuclear	35820	44660	48740	49890	53260	55530
Other	294720	358790	413700	535620	636210	758050
Main activity	1779600	1900848	2010050	2202030	2377780	2559470
Combustible fuels	1104950	1144808	1189570	1246240	1297390	1332390
Hydro	344110	352590	358040	370280	390920	413500
Nuclear	35820	44660	48740	49890	53260	55530
Other	294720	358790	413700	535620	636210	758050
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	39931035	42227542	43183471	43296262	46898149	47384260
Coke-oven coke	0	0	..	..	..	38093
Petroleum coke	47405	59387	58884	61711	66973	46521
Natural gas	1863643	2155130	2230440	2483374	2812216	1944488
Gasworks gas	145944	220865	229	6121	*6000	22937
Coke-oven gas	342407	326295	365890	383198	380736	491553
Blast furnace gas	721500	920268	980540	1173008	1145676	1144588
Vegetal waste	412563	420814	420814	420814	420814	420814
Industrial waste	192755	182040	144619	122376	95746	99360
Other recovered gases	..	..	155960	171071	*175000	164404
Others	61803	57824	57500	58716	52780	45125
<b>Total input</b>	43719054	46570164	47598346	48176651	52054090	51802143
<b>Total production</b>	17116542	18346745	18792540	19188900	20901132	21199662
<b>Estimated efficiency (% of production to input)</b>	39	39	39	40	40	41



**Statistics on electricity**
**China, Hong Kong SAR**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	36970	36565	36911	35189	37071	36186
Combustible fuels	36970	36565	36911	35189	37071	36186
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	36970	36565	36911	35189	37071	36186
Combustible fuels	36970	36565	36911	35189	37071	36186
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	36970	36565	36911	35189	37071	36186
Imports	12576	12599	12381	12699	12555	12348
Exports	1341	556	..	..	..	..
Losses	4373	4303	4373	3687	3812	3674
Consumption	43832	44305	44919	44201	45813	44861
Energy industries own use	..	..	..	..	..	..
By industry and construction	3110	3078	3004	2965	3101	3080
By transport	..	..	..	..	..	..
By households and other cons.	40722	41227	41915	41236	42712	41781
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	12492	12282	12225	13129	13240	13274
Combustible fuels	12492	12282	12225	13129	13240	13274
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	12492	12282	12225	13129	13240	13274
Combustible fuels	12492	12282	12225	13129	13240	13274
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	262592	269686	258248	137509	152761	150256
Gas-diesel oil	4257	3182	2236	2150	2537	2494
Fuel oil	0	..	..	..	..	..
Liquefied petroleum gas	..	..	2176	1514	1230	2129
Natural gas	106754	103006	108340	172268	172889	168653
<b>Total input</b>	373603	375874	371000	313441	329417	323532
<b>Total production</b>	133092	131634	132880	126680	133456	130270
<b>Estimated efficiency (% of production to input)</b>	36	35	36	40	41	40

**Statistics on electricity**
**China, Macao SAR**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1465	653	830	562	496	609
Combustible fuels	1465	653	830	562	496	609
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	1260	474	613	373	287	406
Combustible fuels	1260	474	613	373	287	406
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	108	98	100	87	83	84
Net production	1357	555	730	475	413	525
Imports	3952	4911	4976	4853	5192	4874
Exports	..	..	..	..	..	..
Losses	139	150	157	136	151	146
Consumption	5171	5321	5550	5192	5454	5252
Energy industries own use	2	2	..	..	..	..
By industry and construction	204	193	184	173	182	173
By transport	..	..	..	..	4	3
By households and other cons.	4965	5126	5366	5019	5268	5076
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	397	397	397	397	397	397
Combustible fuels	397	397	397	397	397	397
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	368	368	368	368	368	368
Combustible fuels	368	368	368	368	368	368
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	43	0	86	0	0	0
Fuel oil	4727	1697	1333	1252	323	202
Natural gas	6344	2902	4531	2312	2636	3942
Municipal waste	*3339	*3386	*3878	*3423	3554	3400
<b>Total input</b>	14453	7985	9828	6987	6513	7544
<b>Total production</b>	5275	2350	2987	2024	1784	2192
<b>Estimated efficiency (% of production to input)</b>	36	29	30	29	27	29

## Statistics on electricity

### Colombia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	75125	78426	80415	79550	86872	87056
Combustible fuels	17641	21563	25622	29361	23337	24204
Hydro	57476	56809	54594	49977	62318	62248
Nuclear	..	..	..	..	..	..
Other	8	54	200	211	1216	605
Main activity	66557	68943	69377	68541	75563	75259
Combustible fuels	9221	12241	14749	18503	12257	12643
Hydro	57328	56648	54437	49837	62113	62053
Nuclear	..	..	..	..	..	..
Other	8	54	191	201	1193	563
Own use in electricity, CHP and heat plants	148	161	2184	2326	2308	2546
Net production	74977	78265	78231	77223	84563	84511
Imports	78	122	312	1302	479	159
Exports	9	16	0	251	364	465
Losses	5560	8155	5724	6160	6664	6627
Consumption	69136	69902	74225	72356	78844	76162
Energy industries own use	7905	8371	6737	6449	10018	5963
By industry and construction	19289	19646	22640	20514	12084	12485
By transport	97	104	94	81	570	613
By households and other cons.	41846	41781	44754	45312	56172	57101
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	17931	18889	18978	16684	16953	17927
Combustible fuels	6084	6854	6809	4412	4447	4695
Hydro	11820	11931	11996	12024	12008	12607
Nuclear	..	..	..	..	..	..
Other	28	*104	173	247	498	625
Main activity	16307	17265	17341	15035	15304	16268
Combustible fuels	4554	5324	5279	2882	2917	3165
Hydro	11726	11837	11901	11929	11913	12512
Nuclear	..	..	..	..	..	..
Other	28	*104	161	224	474	592
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	32505	45585	88207	97842	49251	49044
Biogas	..	..	5	1	20	17
Crude oil	11715	11880	12575	12120	11450	11450
Gas-diesel oil	13438	13627	14325	13728	16101	16101
Fuel oil	0	0	520	255	521	521
Liquefied petroleum gas	1405	1381	..	..	..	..
Natural gas	45918	48447	95358	139282	119095	120286
Blast furnace gas	346	349	360	279	292	295
Bagasse	7536	56019	84032	92837	*87615	*77316
<b>Total input</b>	112863	177288	295383	356344	284345	275030
<b>Total production</b>	63508	77626	92237	105701	84014	87133
<b>Estimated efficiency (% of production to input)</b>	56	44	31	30	30	32

**Statistics on electricity**
**Comoros**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*91	*98	*108	*130	*136	*139
Combustible fuels	*91	*98	*108	*130	*132	*135
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*4	*4
Main activity	*91	*98	*108	*130	*136	*139
Combustible fuels	*91	*98	*108	*130	*132	*135
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*4	*4
Own use in electricity, CHP and heat plants	*11	*9	*10	*11	*12	*12
Net production	*80	*90	*99	*119	*124	*127
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*22	*16	*18	*21	*22	*24
Consumption	*58	*74	*81	*98	*102	*103
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*58	*74	*81	*98	*102	*103
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*28	*28	*28	*28	32	*32
Combustible fuels	*27	*27	*27	*27	27	*27
Hydro	1	1	1	1	*1	*1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	4	4
Main activity	*27	*27	*27	*27	31	*31
Combustible fuels	*27	*27	*27	*27	27	*27
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	4	4
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*1147	*1243	*1368	*1651	*1634	*1677
<b>Total input</b>	*1147	*1243	*1368	*1651	*1634	*1677
<b>Total production</b>	*327	*354	*390	*468	*475	*486
<b>Estimated efficiency (% of production to input)</b>	29	28	29	28	29	29

## Statistics on electricity

### Congo

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	2965	3096	3655	3840	4103	5013
Combustible fuels	1761	2001	2807	2931	3105	3884
Hydro	1203	1094	847	900	989	1119
Nuclear	..	..	..	..	..	..
Other	1	1	1	8	9	10
Main activity	1204	1095	848	909	998	1129
Combustible fuels	..	..	..	..	..	..
Hydro	1203	1094	847	900	989	1119
Nuclear	..	..	..	..	..	..
Other	1	1	1	8	9	10
Own use in electricity, CHP and heat plants	331	346	408	429	459	560
Net production	2633	2750	3247	3411	3645	4453
Imports	22	28	23	18	26	23
Exports	22	26	44	16	49	31
Losses	1324	1384	1623	1716	1822	2236
Consumption	1555	1551	1577	1539	1565	1912
Energy industries own use	..	..	..	..	..	..
By industry and construction	103	101	102	96	97	118
By transport	..	..	..	..	..	..
By households and other cons.	1451	1450	1475	1443	1468	1794
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*660	*660	*660	*836	*836	*836
Combustible fuels	*445	*445	*445	*615	*615	*615
Hydro	214	214	214	214	214	214
Nuclear	..	..	..	..	..	..
Other	1	1	1	*7	*7	*7
Main activity	256	256	256	262	262	262
Combustible fuels	*41	*41	*41	*41	*41	*41
Hydro	214	214	214	214	214	214
Nuclear	..	..	..	..	..	..
Other	1	1	1	*7	*7	*7
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1258	1429	2005	2094	3005	3195
Fuel oil	375	426	598	624	895	952
Natural gas	24045	27316	38328	40024	41358	52476
<b>Total input</b>	25678	29171	40931	42742	45258	56623
<b>Total production</b>	6340	7202	10106	10553	11179	13983
<b>Estimated efficiency (% of production to input)</b>	25	25	25	25	25	25

**Statistics on electricity**
**Cook Islands**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	37	42	39	34	34	38
Combustible fuels	31	32	29	26	27	30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	10	10	8	7	7
Main activity	37	42	39	34	34	38
Combustible fuels	31	32	29	26	27	30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	10	10	8	7	7
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	37	42	39	34	34	38
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*2	*2	*2	*2	*2	2
Consumption	*35	*40	*37	*32	*32	*36
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*35	*40	*37	*32	*32	*36
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*14	*16	*16	*16	*16	*16
Combustible fuels	*11	*11	*11	*11	*11	*11
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	5	5	5	5	5
Main activity	*14	*16	*16	*16	*16	*16
Combustible fuels	*11	*11	*11	*11	*11	*11
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	5	5	5	5	5
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*323	*333	*307	*271	*278	*318
<b>Total input</b>	*323	*333	*307	*271	*278	*318
<b>Total production</b>	111	115	106	93	96	109
<b>Estimated efficiency (% of production to input)</b>	34	34	34	34	34	34

Statistics on electricity

Costa Rica

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	11359	11528	11508	11730	12737	12583
Combustible fuels	237	358	295	217	194	66
Hydro	8677	8343	7827	8294	9286	9449
Nuclear	..	..	..	..	..	..
Other	2445	2827	3386	3219	3257	3069
Main activity	11123	11279	11241	11476	12473	12447
Combustible fuels	37	159	96	24	3	2
Hydro	8677	8343	7827	8294	9286	9449
Nuclear	..	..	..	..	..	..
Other	2408	2777	3319	3158	3184	2996
Own use in electricity, CHP and heat plants	120	121	242	275	233	236
Net production	11240	11407	11266	11455	12504	12347
Imports	551	572	340	118	6	54
Exports	741	813	323	624	1009	774
Losses	1295	1313	1059	1043	1052	1063
Consumption	9804	9892	10190	9905	10363	10430
Energy industries own use	..	..	..	..	..	..
By industry and construction	1967	1876	2018	1970	2114	1863
By transport	..	..	..	..	..	..
By households and other cons.	7836	8016	8172	7935	8249	8567
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3564	3646	3624	3607	3678	3630
Combustible fuels	616	628	549	554	554	554
Hydro	2328	2359	2343	2331	2396	2347
Nuclear	..	..	..	..	..	..
Other	621	659	732	721	728	728
Main activity	3490	3551	3495	3466	3531	3483
Combustible fuels	572	572	474	474	474	474
Hydro	2328	2359	2343	2331	2396	2347
Nuclear	..	..	..	..	..	..
Other	590	620	678	661	661	662
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	4	7	10	9	9	*9
Gas-diesel oil	29	131	55	13	12	..
Fuel oil	334	1285	792	258	54	48
Bagasse	1198	1158	1196	1910	1923	647
Vegetal waste	217	232	118	383	305	305
<b>Total input</b>	1782	2814	2171	2573	2303	1009
<b>Total production</b>	853	1290	1064	779	698	236
<b>Estimated efficiency (% of production to input)</b>	48	46	49	30	30	23

**Statistics on electricity**
**Côte d'Ivoire**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	10121	10058	10697	11274	11579	12460
Combustible fuels	8074	7096	7197	7887	8935	9602
Hydro	2047	2962	3481	3376	2626	2846
Nuclear	..	..	..	..	..	..
Other	..	..	18	11	18	13
Main activity	9948	9997	10631	11202	11442	12314
Combustible fuels	7901	7035	7132	7815	8798	9455
Hydro	2047	2962	3481	3376	2626	2846
Nuclear	..	..	..	..	..	..
Other	..	..	18	11	18	13
Own use in electricity, CHP and heat plants	146	159	173	180	308	183
Net production	9975	9899	10524	11094	11271	12278
Imports	37	102	77	152	199	214
Exports	1247	1156	1255	1333	889	971
Losses	1956	2081	1639	1804	1727	1865
Consumption	6318	6927	7297	8144	9018	9613
Energy industries own use	..	1	1	1	1	2
By industry and construction	2177	1989	2124	2448	2564	2733
By transport	..	..	..	..	..	..
By households and other cons.	4141	4937	5173	5695	6452	6878
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2169	2169	2210	2222	2277	2557
Combustible fuels	1282	1282	1323	1335	1390	1669
Hydro	879	879	879	879	879	879
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	8	9
Main activity	2146	2146	2187	2199	2254	2534
Combustible fuels	1259	1259	1300	1312	1367	1646
Hydro	879	879	879	879	879	879
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	8	9
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	86	86	94	86	43	65
Fuel oil	889	40	10	121	3919	4198
Natural gas	73437	64874	69186	70954	81008	78540
Vegetal waste	1941	4815	3475	4145	6088	8309
<b>Total input</b>	76354	69815	72765	75306	91057	91113
<b>Total production</b>	29066	25546	25911	28394	32166	34566
<b>Estimated efficiency (% of production to input)</b>	38	37	36	38	35	38



## Statistics on electricity

### Croatia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	11984	13632	12760	13385	15210	14220
Combustible fuels	5193	4435	5185	5665	5681	6284
Hydro	5508	7785	5933	5810	7229	5574
Nuclear	..	..	..	..	..	..
Other	1283	1412	1642	1910	2300	2362
Main activity	11564	13259	12385	12980	14865	13937
Combustible fuels	4779	4068	4816	5266	5341	6003
Hydro	5502	7779	5927	5805	7223	5571
Nuclear	..	..	..	..	..	..
Other	1283	1412	1642	1910	2300	2362
Own use in electricity, CHP and heat plants	461	450	510	510	482	524
Net production	11523	13182	12250	12875	14728	13696
Imports	12158	12693	11401	10491	11505	11920
Exports	5204	7306	5268	5852	7544	7225
Losses	1765	1824	1659	1725	1691	1659
Consumption	16711	16745	16724	15789	16999	16732
Energy industries own use	733	570	569	574	503	487
By industry and construction	3607	3683	3613	3575	3786	3423
By transport	267	282	273	262	285	289
By households and other cons.	12104	12210	12270	11378	12425	12533
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4970	5006	4712	4662	4873	4974
Combustible fuels	2141	2142	1771	1543	1537	1550
Hydro	2193	2200	2200	2200	2201	2206
Nuclear	..	..	..	..	..	..
Other	636	664	741	920	1135	1219
Main activity	4811	4841	4547	4498	4733	4834
Combustible fuels	1984	1980	1609	1381	1400	1412
Hydro	2190	2197	2197	2197	2198	2203
Nuclear	..	..	..	..	..	..
Other	636	664	741	920	1135	1219
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	13219	12359	14263	10909	13072	13794
Brown Coal	144	108	99	48	..	..
Biogas	2612	3028	3380	3425	4094	3730
Gas-diesel oil	73	39	43	47	17	658
Fuel oil	1693	319	226	113	109	307
Refinery gas	228	233	59	144	124	74
Natural gas	31889	24895	27273	33607	31477	35076
Fuelwood	*4245	*7004	*8984	*9524	*11188	*13289
<b>Total input</b>	54103	47984	54329	57818	60080	66929
<b>Total production</b>	18695	15964	18667	20394	20453	22624
<b>Estimated efficiency (% of production to input)</b>	35	33	34	35	34	34

## Statistics on electricity

### Cuba

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	20558	20837	20706	19071	17966	15874
Combustible fuels	20394	20524	20331	18698	17581	15512
Hydro	83	146	125	112	120	120
Nuclear	..	..	..	..	..	..
Other	*81	*168	*251	*261	*265	242
Main activity	19595	20074	19861	18157	17105	15028
Combustible fuels	19431	19761	19486	17784	16720	14666
Hydro	83	146	125	112	120	120
Nuclear	..	..	..	..	..	..
Other	*81	*168	*251	*261	*265	242
Own use in electricity, CHP and heat plants	1891	1958	1944	1999	1860	1732
Net production	18667	18879	18762	17072	16106	14142
Imports	..	..	449	1402	1385	2591
Exports	..	..	..	..	..	..
Losses	3177	3290	3429	3427	3623	3428
Consumption	15490	15589	15691	14972	13739	13226
Energy industries own use	..	..	..	..	..	..
By industry and construction	3067	3060	2930	2514	1993	1759
By transport	293	290	288	257	266	259
By households and other cons.	12130	12239	12473	12202	11480	11208
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	6476	6661	6508	6660	6767	6236
Combustible fuels	6325	6458	6285	6374	6461	5909
Hydro	66	64	64	65	65	65
Nuclear	..	..	..	..	..	..
Other	*85	*139	*159	*222	*242	263
Main activity	5945	6108	6049	6095	6198	5270
Combustible fuels	5794	5905	5826	5809	5892	4943
Hydro	66	64	64	65	65	65
Nuclear	..	..	..	..	..	..
Other	*85	*139	*159	*222	*242	263
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	..	..	45	*286	*1944	*2083
Gas-diesel oil	22545	27825	19322	16383	25675	*20227
Fuel oil	143973	148147	129322	150753	158283	*171054
Natural gas	*15456	*16840	*24946	*20628	*15547	19463
Bagasse	*12996	*10298	*11363	*13547	*10378	*6626
<b>Total input</b>	194971	203110	184999	201597	211827	*219452
<b>Total production</b>	73418	73885	73191	67314	63291	55843
<b>Estimated efficiency (% of production to input)</b>	38	36	40	33	30	25

## Statistics on electricity

### Curaçao

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	891	866	879	839	846	867
Combustible fuels	702	612	646	621	622	650
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	189	254	233	219	224	217
Main activity	817	752	836	815	832	865
Combustible fuels	628	498	604	596	608	648
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	189	254	233	219	224	217
Own use in electricity, CHP and heat plants	18	17	18	17	17	17
Net production	874	849	862	822	829	850
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	98	95	96	92	93	95
Consumption	776	754	765	730	736	754
Energy industries own use	40	37	..	..	..	..
By industry and construction	203	183	237	207	234	254
By transport	..	..	..	..	..	..
By households and other cons.	533	533	528	524	502	500
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*230	*231	*231	232	*232	*232
Combustible fuels	*172	*172	*172	172	*172	*172
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	58	58	58	60	*60	*60
Main activity	*175	*176	*176	178	*178	*178
Combustible fuels	*118	*118	*118	118	*118	*118
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	58	58	58	60	*60	*60
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	2004	2810	5135	4751	5639	5923
Fuel oil	5363	3649	2091	1180	1428	1086
<b>Total input</b>	7367	6459	7227	5931	7067	7009
<b>Total production</b>	2528	2204	2327	2234	2239	2341
<b>Estimated efficiency (% of production to input)</b>	34	34	32	38	32	33

## Statistics on electricity

### Cyprus

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	5004	5061	5141	4849	5119	5268
Combustible fuels	4621	4640	4685	4313	4405	4442
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	383	421	457	536	715	826
Main activity	4896	4938	5003	4699	4894	4976
Combustible fuels	4574	4589	4633	4261	4352	4391
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	322	349	370	438	542	585
Own use in electricity, CHP and heat plants	226	233	228	199	239	242
Net production	4778	4827	4914	4650	4881	5025
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	228	158	184	240	224	144
Consumption	4547	4670	4730	4384	4656	4865
Energy industries own use	5	6	7	7	7	6
By industry and construction	518	530	532	532	555	583
By transport	..	..	..	..	..	2
By households and other cons.	4024	4135	4192	3845	4095	4273
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1782	1794	1819	1897	1983	2085
Combustible fuels	1515	1517	1510	1510	1511	1504
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	268	276	309	387	472	582
Main activity	1710	1716	1726	1775	1826	1882
Combustible fuels	1478	1481	1481	1481	1480	1480
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	233	236	246	295	346	402
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	323	347	345	337	336	319
Gas-diesel oil	11044	10668	11200	14798	12533	13831
Fuel oil	31461	32492	31148	24342	27457	26609
<b>Total input</b>	42828	43507	42693	39477	40326	40759
<b>Total production</b>	16635	16704	16865	15527	15857	15991
<b>Estimated efficiency (% of production to input)</b>	39	38	40	39	39	39

**Statistics on electricity**
**Czechia**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	87056	88038	87035	81525	85016	84848
Combustible fuels	52783	52338	50474	44933	47677	47346
Hydro	3040	2679	3175	3437	3620	3083
Nuclear	28340	29921	30246	30043	30731	31022
Other	2894	3099	3140	3112	2988	3397
Main activity	77945	79253	78298	72458	75838	77511
Combustible fuels	44360	44147	42409	36600	39302	40717
Hydro	2429	2185	2600	2793	2927	2481
Nuclear	28340	29921	30246	30043	30731	31022
Other	2816	3000	3043	3023	2878	3292
Own use in electricity, CHP and heat plants	7165	7152	6914	6450	6539	6653
Net production	79892	80886	80121	75075	78477	78195
Imports	15072	11573	11026	13368	15153	16726
Exports	28109	25481	24123	23521	26228	30255
Losses	4375	4269	4300	4117	3651	3414
Consumption	60663	61207	61542	60242	62865	61167
Energy industries own use	3256	3104	3126	3142	2882	2535
By industry and construction	23902	24302	24277	23122	24570	24682
By transport	1698	1753	1767	1644	1718	1764
By households and other cons.	31807	32047	32372	32334	33695	32185
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	22273	22301	22023	21416	20980	21126
Combustible fuels	13334	13350	13031	12384	11874	11792
Hydro	2265	2264	2265	2265	2285	2285
Nuclear	4290	4290	4290	4290	4290	4290
Other	2384	2397	2437	2477	2530	2760
Main activity	20337	20373	20098	19596	19190	19343
Combustible fuels	11582	11605	11290	10748	10269	10194
Hydro	2081	2081	2081	2081	2101	2100
Nuclear	4290	4290	4290	4290	4290	4290
Other	2384	2397	2437	2477	2530	2760
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	81242	63568	44608	40481	52529	44879
Brown Coal	417690	424949	392506	324139	347130	383604
Biogas	18808	18899	18072	18443	18306	18612
Refinery gas	891	990	1139	743	941	693
Natural gas	36325	36523	50251	59542	65724	40160
Coke-oven gas	6613	6199	5634	5477	6278	5828
Blast furnace gas	6694	7565	6343	6417	7468	6320
Fuelwood	*27123	*25858	*28868	*30812	*33379	*33300
Municipal waste	4868	4524	4798	5203	5207	5150
Other recovered gases	1127	1258	1209	733	753	686
Others	16427	14633	13616	10325	1251	1202
<b>Total input</b>	617808	604965	567044	502314	538968	540433
<b>Total production</b>	190019	188417	181706	161757	171637	170444
<b>Estimated efficiency (% of production to input)</b>	31	31	32	32	32	32

**Statistics on electricity**
**Dem. Rep. of the Congo**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	9450	10556	11491	12460	13135	13200
Combustible fuels	6	39	8	7	3	6
Hydro	9444	10516	11483	12453	13131	13192
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	1	2
Main activity	9450	10523	11491	12460	13135	13200
Combustible fuels	6	7	8	7	3	6
Hydro	9444	10516	11483	12453	13131	13192
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	1	2
Own use in electricity, CHP and heat plants	18	10	23	26	26	26
Net production	9433	10545	11468	12434	13109	13174
Imports	806	829	1005	1189	1189	1164
Exports	45	75	69	50	50	50
Losses	458	*656	1008	1098	2018	1318
Consumption	*9313	10732	11589	*12194	*12194	*12970
Energy industries own use	17	21	25	27	*28	*28
By industry and construction	*4039	*4755	*5380	*6306	*6306	*7081
By transport	..	..	..	..	..	..
By households and other cons.	*5258	5956	6184	*5861	*5861	*5861
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2457	2634	2610	2820	*2973	*2987
Combustible fuels	29	56	32	32	*32	*32
Hydro	2427	2577	2577	2787	*2939	*2953
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	1	1	2
Main activity	2457	2609	2610	2820	*2973	*2987
Combustible fuels	29	32	32	32	*32	*32
Hydro	2427	2577	2577	2787	*2939	*2953
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	1	1	2
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	56	59	76	63	24	49
Bagasse	..	*586	..	..	..	..
<b>Total input</b>	56	*645	76	63	24	49
<b>Total production</b>	23	141	31	25	10	20
<b>Estimated efficiency (% of production to input)</b>	40	22	40	40	41	40

## Statistics on electricity

### Denmark

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	31023	30370	29517	28729	33051	35129
Combustible fuels	15473	15500	12387	11201	15671	13884
Hydro	18	15	17	17	16	15
Nuclear	..	..	..	..	..	..
Other	15531	14855	17113	17511	17363	21230
Main activity	28192	27273	26315	25310	29487	30660
Combustible fuels	13394	13356	10148	8963	13416	11618
Hydro	18	15	17	17	16	15
Nuclear	..	..	..	..	..	..
Other	14780	13902	16150	16330	16054	19028
Own use in electricity, CHP and heat plants	1384	1054	833	859	1141	1034
Net production	29638	29315	28684	27870	31910	34096
Imports	15218	15634	15982	18594	20120	18752
Exports	10655	10409	10171	11711	15251	17390
Losses	1659	2089	1865	2425	1842	1842
Consumption	32297	32105	32174	31414	33618	32264
Energy industries own use	1223	1187	1425	1174	1511	1660
By industry and construction	8573	8640	8316	8523	9033	8795
By transport	439	440	462	525	681	885
By households and other cons.	22062	21838	21972	21193	22393	20924
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	14318	15013	15005	15180	16394	18037
Combustible fuels	7916	7863	7772	7569	7465	7437
Hydro	7	7	7	7	7	7
Nuclear	..	..	..	..	..	..
Other	6395	7143	7225	7603	8922	10594
Main activity	12782	13345	13320	13272	14001	13972
Combustible fuels	7286	7223	7202	7006	6910	6882
Hydro	7	7	7	7	7	7
Nuclear	..	..	..	..	..	..
Other	5489	6115	6111	6259	7084	7084
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	60485	68306	33508	28634	40691	42111
Biogas	5044	5371	5450	5787	5405	4976
Gas-diesel oil	463	357	614	451	395	626
Fuel oil	1248	1063	844	917	843	1433
Refinery gas	1357	1491	1461	1560	1586	1558
Natural gas	21735	21473	21330	12271	15282	9935
Fuelwood	*60359	*59101	*60812	*63606	*87373	*73789
Vegetal waste	0	0	0	0	0	0
Municipal waste	34723	33573	35095	35390	34371	34259
Other liquid biofuels	9	10	0	0	0	0
Others	20	1	..	..	..	..
<b>Total input</b>	185443	190746	159115	148615	185946	168686
<b>Total production</b>	55704	55800	44593	40323	56416	49983
<b>Estimated efficiency (% of production to input)</b>	30	29	28	27	30	30

## Statistics on electricity

### Djibouti

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	60	66	126	102	196	*199
Combustible fuels	60	66	126	102	126	*128
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	70	*71
Main activity	60	66	126	102	196	*199
Combustible fuels	60	66	126	102	126	*128
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	70	*71
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	60	66	126	102	196	*199
Imports	507	515	480	526	528	609
Exports	..	..	..	..	..	..
Losses	*106	*112	*104	*111	*116	*154
Consumption	*461	*469	*502	*517	*608	*654
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*461	*469	*502	*517	*608	*654
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	130	130	130	130	*150	*150
Combustible fuels	130	130	130	130	*130	*130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	20	20
Main activity	130	130	130	130	*150	*150
Combustible fuels	130	130	130	130	*130	*130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	20	20
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*602	*675	*1256	*1045	*1260	*1269
<b>Total input</b>	*602	*675	*1256	*1045	*1260	*1269
<b>Total production</b>	214	237	452	366	454	*461
<b>Estimated efficiency (% of production to input)</b>	36	35	36	35	36	36



## Statistics on electricity

### Dominica

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	131	*110	138	142	146	147
Combustible fuels	103	*85	117	122	125	123
Hydro	27	24	20	19	20	23
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	2	*2
Main activity	87	66	94	98	102	102
Combustible fuels	58	41	73	78	81	78
Hydro	27	24	20	19	20	23
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	2	*2
Own use in electricity, CHP and heat plants	5	4	*5	*5	*4	*5
Net production	126	*106	133	137	142	142
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	6	*8	*8	*8	*8
Consumption	*122	*101	*126	*129	*134	*134
Energy industries own use	..	..	..	..	..	..
By industry and construction	*21	*22	*27	*28	*28	*28
By transport	..	..	..	..	..	..
By households and other cons.	*101	*79	*99	*101	*106	*106
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	42	42	42	44	44	41
Combustible fuels	35	35	35	36	36	34
Hydro	7	7	7	7	7	7
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Main activity	28	27	27	29	29	26
Combustible fuels	20	20	20	22	22	19
Hydro	7	7	7	7	7	7
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	559	404	712	758	788	766
Fuel oil	*489	*500	*502	*485	*485	*481
<b>Total input</b>	1048	*903	1214	1243	1273	1246
<b>Total production</b>	369	*307	422	439	450	442
<b>Estimated efficiency (% of production to input)</b>	35	34	35	35	35	35

**Statistics on electricity**
**Dominican Republic**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	19036	19651	21200	19495	21397	21420
Combustible fuels	16309	17144	18820	16533	17866	18302
Hydro	2196	1780	1298	1575	1859	1298
Nuclear	..	..	..	..	..	..
Other	530	728	1082	1388	1672	1820
Main activity	17117	17640	17929	17978	19805	19579
Combustible fuels	14489	15288	15697	15164	16452	16771
Hydro	2190	1773	1298	1575	1859	1298
Nuclear	..	..	..	..	..	..
Other	438	580	933	1240	1494	1510
Own use in electricity, CHP and heat plants	665	693	747	687	632	581
Net production	18371	18958	20452	18808	20765	20839
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2473	2549	2750	2529	2326	2139
Consumption	15887	16409	16816	16746	18764	19312
Energy industries own use	..	..	..	..	..	..
By industry and construction	5612	5789	5931	5911	6622	6815
By transport	51	57	64	51	61	63
By households and other cons.	10224	10563	10821	10784	12081	12434
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	5133	5276	6010	5691	5679	5749
Combustible fuels	4276	4271	4995	4427	4380	4304
Hydro	619	619	623	623	623	623
Nuclear	..	..	..	..	..	..
Other	238	387	392	641	675	822
Main activity	3839	3971	4639	4835	4873	4939
Combustible fuels	3057	3082	3740	3687	3675	3599
Hydro	617	617	623	623	623	623
Nuclear	..	..	..	..	..	..
Other	165	271	276	525	575	717
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	26458	25143	39207	65692	63420	78827
Biogas	*157	*157	*157	*157	*160	*160
Motor gasoline	647	638	600	236	603	600
Gas-diesel oil	13077	15240	14041	3304	2217	12692
Fuel oil	55756	69764	66586	31575	32449	33064
Natural gas	40211	39774	49398	55589	68623	49398
Bagasse	1958	2640	3288	2671	3823	3299
Vegetal waste	142	151	*150	*150	*150	*150
<b>Total input</b>	138406	153507	173427	159374	171446	178189
<b>Total production</b>	58714	61717	67751	59519	64316	65886
<b>Estimated efficiency (% of production to input)</b>	42	40	39	37	38	37

## Statistics on electricity

### Ecuador

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	28033	29244	32284	31248	32214	33008
Combustible fuels	7833	8447	7520	6800	6541	8274
Hydro	20089	20678	24641	24333	25575	24635
Nuclear	..	..	..	..	..	..
Other	111	118	123	115	99	99
Main activity	23006	23750	26369	25612	25971	26804
Combustible fuels	3878	4318	3266	2751	2089	3767
Hydro	19017	19313	22980	22747	23783	22937
Nuclear	..	..	..	..	..	..
Other	111	118	123	115	99	99
Own use in electricity, CHP and heat plants	383	414	380	317	271	333
Net production	27650	28829	31904	30931	31944	32675
Imports	19	106	6	251	364	466
Exports	212	256	1827	1341	524	192
Losses	3516	3783	4278	4421	4645	4955
Consumption	23972	24908	25816	25418	26976	27797
Energy industries own use	..	..	..	..	..	..
By industry and construction	9469	9998	10390	10143	11388	11802
By transport	10	11	11	11	11	11
By households and other cons.	14494	14898	15415	15264	15577	15984
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	7445	8048	8073	8095	8101	8220
Combustible fuels	2912	2964	2978	2983	2981	2991
Hydro	4486	5036	5047	5064	5072	5151
Nuclear	..	..	..	..	..	..
Other	47	48	48	48	48	77
Main activity	6236	6731	6727	6764	6724	6832
Combustible fuels	1879	1874	1860	1889	1841	1841
Hydro	4310	4809	4819	4826	4835	4914
Nuclear	..	..	..	..	..	..
Other	47	48	48	48	48	77
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	567	925	867	929	885	873
Crude oil	14061	15659	16505	16632	16076	17591
Gas-diesel oil	14792	15622	17393	16480	17155	21586
Fuel oil	21146	27762	20004	15573	13943	25532
Liquefied petroleum gas	686	763	609	643	600	527
Other oil products	3949	3970	2168	1331	1652	2016
Natural gas	23122	19864	17752	15330	15272	13534
Bagasse	3075	2730	2952	3045	2661	2052
<b>Total input</b>	81399	87296	78249	69963	68244	83710
<b>Total production</b>	28200	30410	27073	24480	23547	29787
<b>Estimated efficiency (% of production to input)</b>	35	35	35	35	35	36

## Statistics on electricity

### Egypt

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	195150	202838	194279	197201	204637	214050
Combustible fuels	179520	187341	175998	173500	179666	188867
Hydro	12850	12726	13121	15038	14769	14646
Nuclear	..	..	..	..	..	..
Other	2780	2771	5160	8663	10202	10537
Main activity	189550	196760	182725	185793	193449	205160
Combustible fuels	173920	181263	164444	162092	168478	179977
Hydro	12850	12726	13121	15038	14769	14646
Nuclear	..	..	..	..	..	..
Other	2780	2771	5160	8663	10202	10537
Own use in electricity, CHP and heat plants	7903	6156	6386	5919	1910	6701
Net production	187247	196682	187893	191282	202727	207349
Imports	65	81	74	95	176	95
Exports	333	425	360	885	1643	1589
Losses	34012	*30502	31623	33117	36083	*33500
Consumption	151606	165610	156340	157435	158046	172355
Energy industries own use	..	..	..	..	..	..
By industry and construction	41479	43623	46884	42616	43505	45701
By transport	534	321	530	549	788	*800
By households and other cons.	109593	121666	108925	114270	113753	125854
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	47056	56574	58353	59530	58819	61914
Combustible fuels	43369	52585	53394	53802	52971	55818
Hydro	2800	2832	2832	2832	2832	2832
Nuclear	..	..	..	..	..	..
Other	887	1157	2127	2896	3016	3264
Main activity	45008	54526	56305	57482	56771	59866
Combustible fuels	41321	50537	51346	51754	50923	53770
Hydro	2800	2832	2832	2832	2832	2832
Nuclear	..	..	..	..	..	..
Other	887	1157	2127	2896	3016	3264
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	9632	2331	976	198	882	855
Fuel oil	228826	97311	75063	23622	138976	194121
Natural gas	1312666	1303341	1504109	1335003	1407195	1184131
Bagasse	*5668	*5730	*5753	*5830	*5869	*5869
<b>Total input</b>	1556792	1408713	1585901	1364653	1552921	1384976
<b>Total production</b>	646272	674428	633594	624600	646798	679921
<b>Estimated efficiency (% of production to input)</b>	42	48	40	46	42	49

## Statistics on electricity

### El Salvador

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	5494	5397	5921	6219	6361	7584
Combustible fuels	2083	1937	2538	1790	1888	2512
Hydro	1704	1631	1522	2067	1817	2234
Nuclear	..	..	..	..	..	..
Other	1707	1829	1861	2363	2657	2838
Main activity	5326	5131	5538	5709	5744	6891
Combustible fuels	2043	1910	2508	1763	1867	2489
Hydro	1619	1548	1442	1985	1731	2147
Nuclear	..	..	..	..	..	..
Other	1664	1674	1588	1961	2147	2255
Own use in electricity, CHP and heat plants	447	397	249	242	276	257
Net production	5046	4999	5672	5977	6086	7326
Imports	1675	1824	1450	774	1316	706
Exports	90	65	158	131	34	338
Losses	651	719	783	748	1026	785
Consumption	6153	6370	6343	5988	6571	7162
Energy industries own use	..	146	..	..	..	..
By industry and construction	2057	2150	2234	1900	1979	2305
By transport	..	..	..	..	0	0
By households and other cons.	4096	4074	4109	4088	4592	4857
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1932	1995	2263	2357	2437	2842
Combustible fuels	1043	1071	1071	1071	1073	1452
Hydro	574	572	572	572	572	572
Nuclear	..	..	..	..	..	..
Other	314	352	620	715	792	818
Main activity	1580	1588	1737	1783	1811	2189
Combustible fuels	764	771	771	771	771	1149
Hydro	552	553	553	553	553	553
Nuclear	..	..	..	..	..	..
Other	264	264	413	459	487	487
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	510	495	570	423	382	406
Gas-diesel oil	..	43	10	27	21	9
Fuel oil	11554	9683	13210	8391	7080	4122
Natural gas	..	..	..	..	6	8125
Bagasse	14073	14379	14927	15321	15050	14837
Animal waste	..	12	13	5	24	66
Municipal waste	..	489	557	419	358	340
<b>Total input</b>	26137	25100	29287	24586	22920	27905
<b>Total production</b>	7499	6972	9135	6443	6796	9042
<b>Estimated efficiency (% of production to input)</b>	29	28	31	26	30	32

**Statistics on electricity**
**Equatorial Guinea**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1334	1355	*1912	*2038	*1770	*1750
Combustible fuels	896	912	*1292	*1418	*1150	*1150
Hydro	438	443	*620	*620	*620	*600
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1334	1355	*1912	*2038	*1770	*1750
Combustible fuels	896	912	*1292	*1418	*1150	*1150
Hydro	438	443	*620	*620	*620	*600
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	44	44	*20	*20	*20	*23
Net production	1290	1311	*1892	*2018	*1750	*1727
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	151	138	*140	*151	*151	*150
Consumption	1200	1205	*1752	*1867	*1599	*1577
Energy industries own use	*35	*35	*35	*35	*35	*40
By industry and construction	462	402	*681	*727	*620	*609
By transport	..	..	..	..	..	..
By households and other cons.	703	768	*1036	*1105	*944	*927
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	553	*554	*554	*554	*554	*554
Combustible fuels	222	*222	*222	*222	*222	*222
Hydro	326	*327	*327	*327	*327	*327
Nuclear	..	..	..	..	..	..
Other	5	*5	*5	*5	*5	*5
Main activity	553	*554	*554	*554	*554	*554
Combustible fuels	222	*222	*222	*222	*222	*222
Hydro	326	*327	*327	*327	*327	*327
Nuclear	..	..	..	..	..	..
Other	5	*5	*5	*5	*5	*5
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*86	*86	*86	*86	*86	*86
Natural gas	*10640	*10831	*15355	*16863	*13650	*11706
<b>Total input</b>	*10726	*10917	*15441	*16949	*13736	*11792
<b>Total production</b>	3226	3283	*4652	*5104	*4140	*4140
<b>Estimated efficiency (% of production to input)</b>	30	30	30	30	30	35

## Statistics on electricity

### Eritrea

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	334	352	362	372	383	400
Combustible fuels	326	340	350	361	371	388
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	12	12	12	12	11
Main activity	318	333	343	354	363	380
Combustible fuels	310	321	331	342	352	368
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	12	12	12	12	11
Own use in electricity, CHP and heat plants	16	17	17	18	18	19
Net production	318	335	345	355	365	381
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	42	45	46	47	49	51
Consumption	274	289	297	306	315	329
Energy industries own use	..	..	..	..	..	..
By industry and construction	48	51	52	54	55	58
By transport	..	..	..	..	..	..
By households and other cons.	226	238	245	252	259	271
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*216	*224	*226	*230	242	243
Combustible fuels	*205	*205	*205	*207	217	217
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	11	19	21	23	25	26
Main activity	*206	*214	*216	*218	230	231
Combustible fuels	*195	*195	*195	*195	205	205
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	11	19	21	23	25	26
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1295	1441	1492	1483	1526	1597
Fuel oil	1787	2280	2373	2571	2832	3017
<b>Total input</b>	3082	3721	3865	4054	4358	4613
<b>Total production</b>	1173	1223	1259	1298	1336	1398
<b>Estimated efficiency (% of production to input)</b>	38	33	33	32	31	30

## Statistics on electricity

### Estonia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	13160	12364	7616	6078	7204	8937
Combustible fuels	12397	11682	6836	4959	6095	7650
Hydro	26	15	19	30	23	23
Nuclear	..	..	..	..	..	..
Other	737	667	761	1089	1087	1264
Main activity	12997	12241	7521	5896	7029	8764
Combustible fuels	12233	11560	6745	4782	5923	7480
Hydro	26	15	18	26	21	23
Nuclear	..	..	..	..	..	..
Other	737	666	759	1087	1085	1261
Own use in electricity, CHP and heat plants	1912	1431	1015	762	744	1413
Net production	11248	10933	6600	5317	6461	7524
Imports	2281	3053	4861	7367	7332	7183
Exports	5015	4950	2704	3723	4703	6172
Losses	779	744	500	375	990	1228
Consumption	7735	7985	7787	7540	8135	7308
Energy industries own use	503	494	470	360	251	166
By industry and construction	2281	2360	2132	2129	2210	2089
By transport	46	43	56	68	30	32
By households and other cons.	4905	5088	5129	4983	5644	5021
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2542	2820	2753	2751	2439	2579
Combustible fuels	2208	2470	2303	2205	1693	1699
Hydro	7	7	6	8	6	8
Nuclear	..	..	..	..	..	..
Other	327	343	444	538	740	872
Main activity	2516	2794	2729	2727	2415	2546
Combustible fuels	2183	2445	2280	2182	1670	1668
Hydro	7	7	6	8	6	8
Nuclear	..	..	..	..	..	..
Other	325	342	443	537	739	870
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Peat	1258	553	283	71	8	108
Biogas	214	242	228	311	135	61
Oil shale	111147	100869	47165	25127	38218	52607
Fuel oil	1256	885	319	246	387	400
Natural gas	527	615	380	264	401	559
Gasworks gas	2097	3071	3086	2582	2617	2609
Coke-oven gas	10646	9735	9811	10340	8860	8257
Fuelwood	*12956	*18978	*21669	*23435	*24360	*22913
Municipal waste	1666	2086	2074	2545	2437	2370
Industrial waste	338	259	..	..	..	..
Others	88	..	..	..	..	..
<b>Total input</b>	142194	137293	85015	64920	77424	89884
<b>Total production</b>	44629	42057	24610	17854	21941	27539
<b>Estimated efficiency (% of production to input)</b>	31	31	29	28	28	31



## Statistics on electricity

### Eswatini

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	415	520	585	543	652	653
Combustible fuels	297	311	313	310	369	333
Hydro	118	209	270	233	270	295
Nuclear	..	..	..	..	..	..
Other	0	0	2	0	13	25
Main activity	117	208	269	227	272	309
Combustible fuels	..	..	..	..	..	..
Hydro	117	208	269	227	264	289
Nuclear	..	..	..	..	..	..
Other	..	..	..	0	8	21
Own use in electricity, CHP and heat plants	9	10	11	10	11	16
Net production	406	510	574	533	641	637
Imports	1048	1020	942	1044	914	902
Exports	..	..	..	..	..	..
Losses	169	195	182	230	145	160
Consumption	1387	1323	1343	1406	1532	1361
Energy industries own use	..	..	..	..	..	..
By industry and construction	541	433	400	474	615	564
By transport	..	..	..	..	..	0
By households and other cons.	846	890	944	932	917	798
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*177	181	173	*171	*182	180
Combustible fuels	*115	119	109	*107	*108	106
Hydro	62	62	62	62	62	62
Nuclear	..	..	..	..	..	..
Other	0	0	*2	*2	12	12
Main activity	71	71	61	61	71	71
Combustible fuels	10	*10	..	..	..	..
Hydro	61	61	61	61	61	61
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	10	10
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	422	454	867	377	430	464
Bagasse	2400	2439	2643	2868	2446	2456
<b>Total input</b>	2822	2893	3510	3245	2876	2920
<b>Total production</b>	1069	1120	1126	1115	1327	1199
<b>Estimated efficiency (% of production to input)</b>	38	39	32	34	46	41

## Statistics on electricity

### Ethiopia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	13264	14554	15068	15823	15503	17338
Combustible fuels	27	31	35	30	26	2
Hydro	12681	13655	14404	14943	14882	16771
Nuclear	..	..	..	..	..	..
Other	555	868	629	850	594	565
Main activity	13241	14528	15038	15793	15479	17338
Combustible fuels	4	5	5	0	2	2
Hydro	12681	13655	14404	14943	14882	16771
Nuclear	..	..	..	..	..	..
Other	555	868	629	850	594	565
Own use in electricity, CHP and heat plants	44	67	81	88	79	62
Net production	13220	14487	14987	15735	15424	17276
Imports	..	..	..	..	..	..
Exports	1432	1000	1145	1637	1665	1750
Losses	2945	3171	3208	3050	3570	3999
Consumption	8870	10558	10933	11016	10231	11208
Energy industries own use	..	..	..	..	..	..
By industry and construction	2360	2837	2938	2558	2824	3004
By transport	..	..	..	..	68	72
By households and other cons.	6510	7721	7995	8458	7340	8133
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4284	4286	4293	4556	4564	5389
Combustible fuels	127	130	134	*134	*140	*135
Hydro	3814	3814	3817	4071	4071	4821
Nuclear	..	..	..	..	..	..
Other	343	342	342	351	352	432
Main activity	4261	4260	4263	4526	4539	5364
Combustible fuels	104	104	104	*104	*115	*110
Hydro	3814	3814	3817	4071	4071	4821
Nuclear	..	..	..	..	..	..
Other	343	342	342	351	352	432
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	47	51	56	59	63	..
Fuel oil	..	..	..	0	27	27
Bagasse	*517	*533	*541	*579	*525	0
<b>Total input</b>	*565	*584	*596	*638	*615	27
<b>Total production</b>	99	111	127	108	93	9
<b>Estimated efficiency (% of production to input)</b>	17	19	21	17	15	33

Statistics on electricity

Faeroe Islands

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	334	352	386	407	424	434
Combustible fuels	163	180	230	251	269	213
Hydro	111	108	104	109	100	131
Nuclear	..	..	..	..	..	..
Other	60	64	53	47	54	90
Main activity	334	352	386	407	424	434
Combustible fuels	163	180	230	251	269	213
Hydro	111	108	104	109	100	131
Nuclear	..	..	..	..	..	..
Other	60	64	53	47	54	90
Own use in electricity, CHP and heat plants	10	11	12	11	11	12
Net production	325	341	374	395	413	422
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*18	*20	*23	25	25	27
Consumption	306	321	350	371	388	395
Energy industries own use	..	..	..	..	..	..
By industry and construction	86	82	95	97	101	101
By transport	..	..	..	..	..	..
By households and other cons.	221	238	255	274	287	294
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	121	121	131	168	*168	*204
Combustible fuels	69	69	78	115	*115	*142
Hydro	38	38	38	38	*38	40
Nuclear	..	..	..	..	..	..
Other	14	14	14	14	*15	23
Main activity	121	121	131	168	*168	*204
Combustible fuels	69	69	78	115	*115	*142
Hydro	38	38	38	38	*38	40
Nuclear	..	..	..	..	..	..
Other	14	14	14	14	*15	23
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	46	64	187	24	59	69
Fuel oil	1318	1453	1787	2065	2131	1696
<b>Total input</b>	1364	1517	1974	2090	2190	1765
<b>Total production</b>	588	648	828	903	969	766
<b>Estimated efficiency (% of production to input)</b>	43	43	42	43	44	43

Statistics on electricity

Falkland Is. (Malvinas)

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	17	18	18	18	19	*19
Combustible fuels	12	12	13	14	14	*14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	5	5	4	5	5
Main activity	17	18	18	18	19	*19
Combustible fuels	12	12	13	14	14	*14
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	5	5	4	5	5
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	17	18	18	18	19	*19
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1	*1	*1	*1	*1	*1
Consumption	*17	*16	*17	*17	*17	*18
Energy industries own use	..	..	..	..	..	..
By industry and construction	*7	*7	*7	*7	*8	*8
By transport	..	..	..	..	..	..
By households and other cons.	*9	*9	*10	*10	*10	*10
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	9	9	9	*9	7	7
Combustible fuels	7	7	7	*7	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	*2
Main activity	9	9	9	*9	7	7
Combustible fuels	7	7	7	*7	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	*2
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	114	122	125	137	133	*133
<b>Total input</b>	114	122	125	137	133	*133
<b>Total production</b>	42	44	46	50	51	*52
<b>Estimated efficiency (% of production to input)</b>	37	36	37	37	38	39

## Statistics on electricity

### Fiji

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1017	1045	1074	989	949	1093
Combustible fuels	514	464	498	417	389	483
Hydro	491	567	559	558	548	598
Nuclear	..	..	..	..	..	..
Other	11	15	16	*14	12	*12
Main activity	994	1005	1025	922	888	1020
Combustible fuels	491	424	450	350	328	410
Hydro	491	567	559	558	548	598
Nuclear	..	..	..	..	..	..
Other	11	15	16	*14	12	*12
Own use in electricity, CHP and heat plants	12	12	13	13	20	26
Net production	1005	1033	1061	976	929	1067
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*103	*108	*111	*102	*100	*106
Consumption	902	925	950	874	829	961
Energy industries own use	..	..	..	..	..	..
By industry and construction	222	226	227	194	152	181
By transport	..	..	..	..	..	..
By households and other cons.	681	699	723	680	677	780
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*360	*363	*363	*363	*370	*370
Combustible fuels	*194	*194	*194	*194	*201	*201
Hydro	138	138	138	138	138	138
Nuclear	..	..	..	..	..	..
Other	*28	*31	*31	*31	*31	*31
Main activity	*306	*309	*309	*309	*309	*309
Combustible fuels	*140	*140	*140	*140	*140	*140
Hydro	138	138	138	138	138	138
Nuclear	..	..	..	..	..	..
Other	*28	*31	*31	*31	*31	*31
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard coal briquettes	0	..	..	..	..	..
Gas-diesel oil	*2021	*1739	*1935	*1462	*1462	*1677
Fuel oil	*2424	*2222	*2222	*2020	*2101	*2384
Fuelwood	*18	*18	*18	*18	*18	*18
Bagasse	*193	*386	*425	*425	*386	*463
<b>Total input</b>	*4656	*4365	*4600	*3925	*3967	*4542
<b>Total production</b>	1852	1669	1794	1501	1400	1740
<b>Estimated efficiency (% of production to input)</b>	40	38	39	38	35	38

## Statistics on electricity

### Finland

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	67524	70263	68650	69268	72121	72221
Combustible fuels	25031	27959	25923	21392	23671	20693
Hydro	14772	13301	12421	15883	15792	13491
Nuclear	22477	22793	23870	23291	23598	25336
Other	5245	6210	6436	8701	9060	12700
Main activity	57691	59552	57831	59189	61536	62706
Combustible fuels	16460	18484	16210	12790	14658	12699
Hydro	13769	12357	11661	14789	14708	12543
Nuclear	22477	22793	23870	23291	23598	25336
Other	4985	5918	6090	8319	8572	12127
Own use in electricity, CHP and heat plants	2481	2730	2597	2670	2798	3027
Net production	65043	67533	66053	66598	69323	69194
Imports	22204	22548	23938	21774	24492	19397
Exports	1779	2612	3896	6670	6724	6880
Losses	2768	3024	3062	3149	3192	2786
Consumption	82275	84021	82640	78141	83301	78298
Energy industries own use	1236	1252	1330	1243	1207	1431
By industry and construction	38709	39487	38563	36089	38104	34766
By transport	775	843	859	816	927	1092
By households and other cons.	41555	42439	41888	39993	43063	41009
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	17058	17018	17352	17301	17942	20602
Combustible fuels	8997	8901	8895	8439	8295	8254
Hydro	3156	3152	3157	3164	3171	3171
Nuclear	2779	2784	2794	2794	2794	2794
Other	2126	2181	2506	2904	3682	6383
Main activity	14752	14654	14894	14779	15402	17809
Combustible fuels	6958	6863	6860	6433	6355	6293
Hydro	2968	2963	2949	2959	2989	2989
Nuclear	2779	2784	2794	2794	2794	2794
Other	2047	2044	2291	2593	3264	5733
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	68510	66280	51236	30052	33436	41106
Peat	37002	43281	38952	27899	25140	25852
Biogas	3500	3600	3236	2773	2985	2389
Gas-diesel oil	387	516	559	602	688	989
Fuel oil	3757	1252	1333	970	889	1091
Natural gas	31361	38536	34502	36013	34052	8371
Blast furnace gas	5407	5989	4074	4541	6740	4477
Fuelwood	*102260	*95201	*89164	*75481	*95466	*92123
Municipal waste	18058	19776	18876	16556	19035	17504
Black liquor	*1108	*11628	*16880	*20810	*23601	*19409
Others	3380	3308	3417	3166	2659	2638
<b>Total input</b>	274730	289367	262228	218862	244691	*215948
<b>Total production</b>	90110	100651	93323	77012	85216	74496
<b>Estimated efficiency (% of production to input)</b>	33	35	36	35	35	34

## Statistics on electricity

### France

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	561943	581685	570775	532255	555082	474744
Combustible fuels	72878	57647	62148	56864	58149	70176
Hydro	55135	70472	61572	67094	63947	51049
Nuclear	398359	412942	399012	353833	379361	294731
Other	35570	40625	48043	54464	53626	58788
Main activity	544949	560926	548408	510714	531395	446726
Combustible fuels	59939	41406	44743	40727	40002	48413
Hydro	54608	69863	60977	66505	63386	50547
Nuclear	398359	412942	399012	353833	379361	294731
Other	32043	36715	43676	49649	48646	53035
Own use in electricity, CHP and heat plants	24126	23987	23869	22513	22779	20102
Net production	537817	557698	546906	509742	532303	454642
Imports	21119	13512	15632	19536	24334	52437
Exports	61248	76479	73299	64575	69227	37493
Losses	38599	38620	38093	35897	39194	35192
Consumption	454565	453173	446847	426561	448258	433036
Energy industries own use	15199	16071	15142	15202	15186	18336
By industry and construction	116738	116923	115656	105803	112729	107647
By transport	10580	10090	10081	8338	9507	10823
By households and other cons.	312048	310089	305968	297218	310835	296230
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	133045	134375	137170	138014	142184	148739
Combustible fuels	21863	20755	20786	20888	21023	21046
Hydro	25707	25727	25868	25954	25991	25964
Nuclear	63130	63130	63130	61400	61400	61400
Other	22345	24763	27386	29772	33770	40330
Main activity	126400	127381	129708	130290	134068	140000
Combustible fuels	18232	17079	16970	17154	17428	17337
Hydro	25517	25542	25674	25760	25796	25764
Nuclear	63130	63130	63130	61400	61400	61400
Other	19520	21630	23933	25976	29444	35499
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	132117	87707	42806	36909	61731	50692
Biogas	24315	25846	27633	28652	32427	34219
Gas-diesel oil	19137	14409	17583	18727	18340	21026
Fuel oil	36653	29919	29621	27496	30039	31166
Refinery gas	10350	11937	13649	12760	11941	11879
Natural gas	308539	237065	302962	272893	256952	336445
Blast furnace gas	18007	21155	20461	16919	19111	15260
Fuelwood	*46830	*50930	*51086	50131	*54330	56264
Municipal waste	90237	91261	90797	87972	85819	87482
Black liquor	*13112	*8233	*9500	*8021	*9008	11266
Others	18651	10901	*10429	*10137	*7817	11161
<b>Total input</b>	717948	589364	616527	570619	587514	666860
<b>Total production</b>	262362	207528	223732	204711	209335	252634
<b>Estimated efficiency (% of production to input)</b>	37	35	36	36	36	38

Statistics on electricity

French Polynesia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	683	680	695	668	672	680
Combustible fuels	470	475	494	464	482	436
Hydro	175	164	159	159	142	194
Nuclear	..	..	..	..	..	..
Other	37	40	43	44	47	50
Main activity	683	680	695	668	672	680
Combustible fuels	470	475	494	464	482	436
Hydro	175	164	159	159	142	194
Nuclear	..	..	..	..	..	..
Other	37	40	43	44	47	50
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	683	679	695	668	672	680
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	40	39	38	39	39	37
Consumption	638	634	652	623	633	643
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	638	634	652	623	633	643
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	310	314	318	321	340	*341
Combustible fuels	228	228	227	227	243	*243
Hydro	47	47	49	49	49	*49
Nuclear	..	..	..	..	..	..
Other	35	38	41	45	49	*49
Main activity	310	314	318	321	340	*341
Combustible fuels	228	228	227	227	243	*243
Hydro	47	47	49	49	49	*49
Nuclear	..	..	..	..	..	..
Other	35	38	41	45	49	*49
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1675	1562	1605	1566	4362	4039
Fuel oil	2750	2743	2858	2705	136	0
<b>Total input</b>	4425	4305	4463	4270	4498	4039
<b>Total production</b>	1692	1712	1777	1672	1735	1570
<b>Estimated efficiency (% of production to input)</b>	38	40	40	39	39	39



## Statistics on electricity

### Gabon

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	2724	2807	2859	3053	3034	3300
Combustible fuels	1505	1506	1547	1630	1664	2037
Hydro	1217	1300	1310	1420	1368	1260
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	3
Main activity	2488	2581	2637	2810	2824	2776
Combustible fuels	1277	1287	1333	1395	1462	1520
Hydro	1212	1294	1304	1415	1363	1254
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	2
Own use in electricity, CHP and heat plants	102	96	98	98	99	159
Net production	2622	2711	2761	2955	2935	3141
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	444	525	537	554	561	604
Consumption	2331	2207	2282	2292	2340	2416
Energy industries own use	176	16	18	18	17	17
By industry and construction	648	653	679	666	676	697
By transport	8	8	8	8	13	15
By households and other cons.	1499	1530	1576	1599	1634	1686
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	533	751	*784	*784	*784	*786
Combustible fuels	359	418	*451	*451	*451	*451
Hydro	173	332	332	332	332	334
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	*1	*1
Main activity	460	663	*696	*696	*696	*698
Combustible fuels	289	333	*366	*366	*366	*366
Hydro	171	330	330	330	330	332
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	3889	4261	4675	4436	5266	3152
Natural gas	15253	12938	13147	13154	13323	*18318
Fuelwood	334	*336	*348	*353	*354	..
Vegetal waste	..	..	..	..	..	170
<b>Total input</b>	19477	17535	18169	17943	18943	*21640
<b>Total production</b>	5416	5421	5570	5869	5989	7332
<b>Estimated efficiency (% of production to input)</b>	28	31	31	33	32	34

## Statistics on electricity

### Gambia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	317	394	462	485	516	592
Combustible fuels	314	388	456	478	510	586
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*6	6	6	6	*6
Main activity	280	356	425	447	478	554
Combustible fuels	277	351	418	440	472	548
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*6	6	6	6	*6
Own use in electricity, CHP and heat plants	*12	*17	*21	*61	76	101
Net production	305	377	442	424	440	491
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*68	*80	*95	*99	*102	*107
Consumption	*237	*297	*347	*325	*338	*384
Energy industries own use	..	..	..	..	..	..
By industry and construction	*40	*52	*60	*63	*65	*77
By transport	..	..	..	..	..	..
By households and other cons.	*197	*245	*287	*262	*273	*307
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*121	*126	*137	142	*162	*162
Combustible fuels	*118	*123	*134	138	*158	*158
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	4	4	4	4
Main activity	*86	*90	*102	106	*126	*126
Combustible fuels	*82	*87	*98	102	*122	*122
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	4	4	4	4
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*2593	*3156	*3677	*3913	*4051	*4713
Fuel oil	*929	*1172	*1414	*1495	*1535	*1838
<b>Total input</b>	*3522	*4328	*5091	*5408	*5586	*6551
<b>Total production</b>	1129	1397	1642	1722	1837	2109
<b>Estimated efficiency (% of production to input)</b>	32	32	32	32	33	32

**Statistics on electricity**
**Georgia**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	11531	12149	11857	11160	12645	14247
Combustible fuels	2233	2115	2840	2821	2380	3388
Hydro	9210	9949	8932	8248	10182	10771
Nuclear	..	..	..	..	..	..
Other	88	84	85	91	83	88
Main activity	11531	12149	11857	11160	12645	14247
Combustible fuels	2233	2115	2840	2821	2380	3388
Hydro	9210	9949	8932	8248	10182	10771
Nuclear	..	..	..	..	..	..
Other	88	84	85	91	83	88
Own use in electricity, CHP and heat plants	215	215	236	217	214	258
Net production	11316	11934	11620	10943	12432	13988
Imports	1751	1522	1763	1712	3190	4693
Exports	940	602	380	256	1575	4131
Losses	904	886	918	888	892	1136
Consumption	11224	11968	12085	11512	13155	13415
Energy industries own use	15	31	26	33	37	29
By industry and construction	3295	3306	3253	3126	3562	3639
By transport	337	366	419	237	223	234
By households and other cons.	7578	8266	8388	8116	9333	9513
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3592	3591	3712	3739	3989	4189
Combustible fuels	849	876	1108	990	1001	1126
Hydro	2723	2695	2583	2727	2967	3042
Nuclear	..	..	..	..	..	..
Other	20	20	21	21	21	21
Main activity	3592	3591	3712	3739	3989	4189
Combustible fuels	849	876	1108	990	1001	1126
Hydro	2723	2695	2583	2727	2967	3042
Nuclear	..	..	..	..	..	..
Other	20	20	21	21	21	21
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	634	359	0	..	..	..
Natural gas	20408	19304	26653	24195	19504	29617
<b>Total input</b>	21042	19662	26653	24195	19504	29617
<b>Total production</b>	8039	7614	10225	10155	8567	12196
<b>Estimated efficiency (% of production to input)</b>	38	39	38	42	44	41

## Statistics on electricity

### Germany

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	653723	640468	606917	575462	592799	580266
Combustible fuels	404286	385445	334214	302330	332188	335279
Hydro	26155	23863	25671	25275	24972	23576
Nuclear	76324	76005	75071	64382	69130	34709
Other	146958	155155	171961	183475	166509	186702
Main activity	596946	585511	553581	522452	538421	529870
Combustible fuels	348797	331660	281896	250491	278952	285889
Hydro	25983	23776	25573	25191	24873	23476
Nuclear	76324	76005	75071	64382	69130	34709
Other	145842	154070	171041	182388	165466	185796
Own use in electricity, CHP and heat plants	34670	34817	31053	27800	29384	28239
Net production	619053	605651	575864	547662	563415	552027
Imports	27842	31727	40126	47853	51731	49331
Exports	80301	80463	72793	66882	70306	76587
Losses	27024	26661	27474	26939	26582	26319
Consumption	539570	530254	515723	501693	518257	498451
Energy industries own use	20617	20860	19208	19466	18519	20706
By industry and construction	232227	230724	223267	211629	219328	207567
By transport	11957	12087	11605	11534	11246	13147
By households and other cons.	274769	266583	261643	259064	269164	257031
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	215326	227945	231489	233726	242648	250327
Combustible fuels	95134	102180	100524	98311	99241	100870
Hydro	11120	10684	10733	10808	10844	10974
Nuclear	10799	10799	9525	8113	8113	4205
Other	98273	104282	110707	116494	124450	134278
Main activity	203747	216807	220320	222575	231406	238448
Combustible fuels	83824	91301	89570	87357	88178	89170
Hydro	11078	10652	10698	10773	10809	10939
Nuclear	10799	10799	9525	8113	8113	4205
Other	98046	104055	110527	116332	124306	134134
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	875477	801479	600095	461406	572229	647379
Brown Coal	1394434	1354287	1064141	857632	1019149	1073109
Biogas	238280	238366	236928	242451	233894	234094
Gas-diesel oil	8385	6708	5719	6364	7654	12771
Other oil products	21467	18974	17688	17527	15598	17929
Natural gas	749713	720855	780525	824084	826707	727773
Coke-oven gas	27371	27192	24384	22609	21158	19920
Blast furnace gas	71768	66613	63736	54392	65099	57971
Fuelwood	*119451	*124895	*125813	*130083	*126554	*119704
Municipal waste	196030	186036	182412	184468	189032	181502
Others	70840	62438	64075	54002	51947	49302
<b>Total input</b>	3773217	3607843	3165516	2855019	3129020	3141453
<b>Total production</b>	1455430	1387602	1203170	1088388	1195878	1207004
<b>Estimated efficiency (% of production to input)</b>	39	38	38	38	38	38

## Statistics on electricity

### Ghana

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	14248	16425	18368	20170	22051	23163
Combustible fuels	8604	10375	11065	12820	14408	14810
Hydro	5616	6017	7252	7293	7521	8192
Nuclear	..	..	..	..	..	..
Other	28	33	52	57	122	162
Main activity	14068	16245	18188	20170	22051	23163
Combustible fuels	8424	10195	10885	12820	14408	14810
Hydro	5616	6017	7252	7293	7521	8192
Nuclear	..	..	..	..	..	..
Other	28	33	52	57	122	162
Own use in electricity, CHP and heat plants	181	179	180	0	723	796
Net production	14067	16246	18188	20170	21328	22367
Imports	320	140	127	58	44	37
Exports	268	740	1430	1801	1734	2215
Losses	805	1192	1184	1286	1571	2674
Consumption	13036	14401	15232	16531	18067	17516
Energy industries own use	..	..	..	..	..	..
By industry and construction	4583	5029	5260	5499	5746	7413
By transport	8	9	11	12	6	11
By households and other cons.	8446	9362	9962	11020	12316	10092
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4609	5099	5382	5288	5449	5454
Combustible fuels	3006	3476	3759	3649	3753	3758
Hydro	1580	1580	1580	1580	1584	1584
Nuclear	..	..	..	..	..	..
Other	23	43	43	59	112	112
Main activity	4399	4889	5172	5288	5449	5454
Combustible fuels	2796	3266	3549	3649	3753	3758
Hydro	1580	1580	1580	1580	1584	1584
Nuclear	..	..	..	..	..	..
Other	23	43	43	59	112	112
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Crude oil	10448	42	5752	2182	2172	5147
Gas-diesel oil	1327	613	489	1230	128	..
Fuel oil	..	..	..	..	3160	1332
Liquefied petroleum gas	3888	5015	1881	..	..	..
Natural gas	44757	55851	78499	115727	114913	134786
<b>Total input</b>	60420	61521	86620	119139	120373	141265
<b>Total production</b>	30974	37350	39834	46153	51868	53315
<b>Estimated efficiency (% of production to input)</b>	51	61	46	39	43	38

## Statistics on electricity

### Gibraltar

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	214	215	220	215	223	211
Combustible fuels	213	215	220	215	223	211
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	214	215	220	215	223	211
Combustible fuels	213	215	220	215	223	211
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	4	4	4	4	5	4
Net production	209	211	215	210	219	207
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	6	7	7	7	7	6
Consumption	203	205	209	204	212	200
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	203	205	209	204	212	200
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*43	*43	*50	*50	*50	*50
Combustible fuels	*43	*43	*50	*50	*50	*50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*43	*43	*50	*50	*50	*50
Combustible fuels	*43	*43	*50	*50	*50	*50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	2065	2079	1411	..	..	..
Natural gas	..	..	732	2145	2230	2108
<b>Total input</b>	2065	2079	2144	2145	2230	2108
<b>Total production</b>	769	775	791	772	803	759
<b>Estimated efficiency (% of production to input)</b>	37	37	37	36	36	36

## Statistics on electricity

### Greece

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	55266	53263	48626	48252	54744	52670
Combustible fuels	41698	37412	32880	31055	33049	30647
Hydro	4040	5760	4051	3440	5961	4000
Nuclear	..	..	..	..	..	..
Other	9528	10091	11695	13757	15734	18023
Main activity	53333	51048	46146	45539	51949	49747
Combustible fuels	39765	35197	30400	28342	30254	27725
Hydro	4040	5760	4051	3440	5961	4000
Nuclear	..	..	..	..	..	..
Other	9528	10091	11695	13757	15734	18023
Own use in electricity, CHP and heat plants	4677	3179	3069	2917	1688	1073
Net production	50589	50084	45557	45335	53056	51597
Imports	8696	8550	11067	9831	7581	7751
Exports	2459	2272	1123	967	3897	4304
Losses	1102	5242	3692	5213	5612	5730
Consumption	55724	51120	51809	48985	50637	49682
Energy industries own use	1755	1650	1611	1456	1395	1554
By industry and construction	12284	12414	12308	11857	12170	11893
By transport	188	202	203	174	195	221
By households and other cons.	41497	36854	37687	35498	36877	36014
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	19426	19581	20478	20795	21929	23941
Combustible fuels	10804	10643	10643	9971	9581	10387
Hydro	3392	3409	3412	3417	3421	3421
Nuclear	..	..	..	..	..	..
Other	5230	5529	6423	7407	8927	10132
Main activity	18855	19013	19910	20227	21361	23373
Combustible fuels	10234	10076	10076	9404	9014	9820
Hydro	3392	3409	3412	3417	3421	3421
Nuclear	..	..	..	..	..	..
Other	5230	5529	6423	7407	8927	10132
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	192615	185398	125530	69652	63980	63400
Biogas	3710	3790	3752	4147	3794	4637
Gas-diesel oil	13944	11777	9112	8526	7752	9758
Fuel oil	36667	36378	36324	31172	32955	33874
Liquefied petroleum gas	189	..	..	..	1	2
Refinery gas	6647	7103	10301	10044	7356	13236
Natural gas	132678	125276	140266	148654	173465	146729
Fuelwood	*145	*205	*784	*1104	*1055	*839
Industrial waste	0	1213	1758	405	329	423
Biodiesel	7	0	1	3	3	..
<b>Total input</b>	386602	371141	327827	273706	290691	272898
<b>Total production</b>	150112	134683	118370	111797	118976	110330
<b>Estimated efficiency (% of production to input)</b>	39	36	36	41	41	40

## Statistics on electricity

### Greenland

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	518	550	531	566	569	614
Combustible fuels	130	*132	*122	*136	*137	*147
Hydro	388	418	409	431	433	467
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	518	550	531	566	569	614
Combustible fuels	130	*132	*122	*136	*137	*147
Hydro	388	418	409	431	433	467
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	16	*16	*16	*17	*17	*18
Net production	502	533	515	549	552	596
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	13	*10	*10	*10	*12	*10
Consumption	328	343	331	351	353	*398
Energy industries own use	..	..	..	..	..	..
By industry and construction	52	52	48	53	*54	*61
By transport	..	..	..	..	..	..
By households and other cons.	275	291	283	299	298	*337
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
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	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1107	1203	1102	1174	*1175	*1198
Municipal waste	94	98	110	103	102	88
<b>Total input</b>	1201	1301	1212	1277	*1277	*1286
<b>Total production</b>	467	*475	*440	*489	*492	*530
<b>Estimated efficiency (% of production to input)</b>	39	37	36	38	39	41



**Statistics on electricity**
**Grenada**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	227	235	245	227	229	238
Combustible fuels	223	231	241	223	225	233
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	4	4	4	*5	*5
Main activity	220	228	238	220	221	230
Combustible fuels	220	228	238	220	221	230
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	6	6	7	7	8	8
Net production	220	228	238	220	222	230
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	18	16	15	16	15	16
Consumption	203	212	223	204	207	214
Energy industries own use	..	..	..	..	..	..
By industry and construction	5	6	6	6	6	6
By transport	..	..	..	..	..	..
By households and other cons.	197	206	217	198	201	208
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	55	57	58	56	59	60
Combustible fuels	52	54	54	52	56	56
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	3	3	4	4	4
Main activity	52	54	54	52	55	56
Combustible fuels	52	54	54	52	55	56
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	2016	2173	*2343	2020	2178	*2361
<b>Total input</b>	2016	2173	*2343	2020	2178	*2361
<b>Total production</b>	804	831	869	802	808	839
<b>Estimated efficiency (% of production to input)</b>	40	38	37	40	37	36

Statistics on electricity

Guam

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1760	1715	1724	1683	*1712	*1703
Combustible fuels	1700	1646	1655	1614	*1643	*1600
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	60	68	68	68	*68	*103
Main activity	1752	1698	1707	1667	*1695	*1686
Combustible fuels	1700	1646	1655	1614	*1643	*1600
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	52	52	52	52	*52	*86
Own use in electricity, CHP and heat plants	66	63	67	66	*67	*63
Net production	1694	1652	1657	1617	*1645	*1639
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	84	85	88	94	90	89
Consumption	1610	1567	1568	1523	1555	*1550
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	1610	1567	1568	1523	1555	*1550
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	457	458	460	462	463	*524
Combustible fuels	420	420	420	420	420	*420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	37	38	40	42	43	104
Main activity	446	446	446	446	446	*506
Combustible fuels	420	420	420	420	420	*420
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	26	26	26	26	26	86
<b>Combustible fuel input</b>	<b>Terajoules</b>					
<b>Total input</b>	..	..	..	..	..	..
<b>Total production</b>	6119	5926	5958	5812	*5916	*5760
<b>Estimated efficiency (% of production to input)</b>	..	..	..	..	..	..

## Statistics on electricity

### Guatemala

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	12272	13568	13563	12013	13061	12852
Combustible fuels	5816	7572	8335	5182	6594	5069
Hydro	5787	5218	4497	5966	5646	6970
Nuclear	..	..	..	..	..	..
Other	669	778	732	865	820	812
Main activity	11490	12522	12228	11122	11943	12025
Combustible fuels	5055	6554	7027	4323	5509	4274
Hydro	5765	5191	4470	5934	5614	6938
Nuclear	..	..	..	..	..	..
Other	669	778	732	865	820	812
Own use in electricity, CHP and heat plants	886	775	266	5	1	260
Net production	11386	12793	13297	12008	13060	12591
Imports	891	825	1141	1085	1141	1481
Exports	1858	2500	2190	1156	1116	1104
Losses	373	903	1587	1555	1711	1718
Consumption	10115	10220	10660	10381	11760	11252
Energy industries own use	..	..	..	..	..	..
By industry and construction	3707	3695	4017	3597	4495	4260
By transport	..	..	..	..	..	..
By households and other cons.	6408	6525	6644	6785	7266	6992
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3356	3499	4042	4162	4118	4040
Combustible fuels	1845	1770	2234	2332	2284	2281
Hydro	1311	1492	1560	1577	1584	1518
Nuclear	..	..	..	..	..	..
Other	200	237	249	252	250	241
Main activity	2677	2846	3387	3507	3463	3385
Combustible fuels	1170	1122	1584	1682	1634	1631
Hydro	1307	1487	1555	1572	1579	1513
Nuclear	..	..	..	..	..	..
Other	200	237	249	252	250	241
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	43218	51029	49813	32162	41171	15718
Biogas	308	430	308	281	472	290
Gas-diesel oil	114	62	114	127	49	105
Fuel oil	4074	3423	4129	3300	2371	1465
Petroleum coke	..	1751	*1801	*4953	*2070	*9532
Fuelwood	7	3	..	..	..	..
Bagasse	53779	51340	53779	54054	88131	75648
<b>Total input</b>	101499	108038	109943	94878	134264	102757
<b>Total production</b>	20939	27259	30005	18654	23740	18249
<b>Estimated efficiency (% of production to input)</b>	21	25	27	20	18	18

## Statistics on electricity

### Guernsey

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	77	54	165	23	27	29
Combustible fuels	77	54	164	23	27	29
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Main activity	77	54	165	23	27	29
Combustible fuels	77	54	164	23	27	29
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Own use in electricity, CHP and heat plants	0	0	0	0	0	1
Net production	77	54	165	23	27	29
Imports	294	319	204	347	355	337
Exports	..	..	..	..	..	..
Losses	17	25	22	*32	*19	*20
Consumption	354	348	348	338	*364	*346
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	354	348	348	338	*364	*346
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*132	*132	*132	*132	*132	*132
Combustible fuels	*132	*132	*132	*132	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
Main activity	*132	*132	*132	*132	*132	*132
Combustible fuels	*132	*132	*132	*132	*132	*132
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*56	*56	*65	*56	*65	*52
Fuel oil	*646	*444	*1454	*162	*186	*214
<b>Total input</b>	*702	*500	*1519	*218	*250	*266
<b>Total production</b>	277	194	592	82	97	104
<b>Estimated efficiency (% of production to input)</b>	39	39	39	38	39	39

## Statistics on electricity

### Guinea

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1740	1884	2020	2420	3036	3263
Combustible fuels	537	702	740	935	401	325
Hydro	1203	1182	1280	1484	2635	2938
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1740	1884	2020	2420	3036	3263
Combustible fuels	537	702	740	935	401	325
Hydro	1203	1182	1280	1484	2635	2938
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	24	17	34	6	41	18
Net production	1716	1867	1985	2414	2995	3245
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*261	*283	*304	*363	*460	*490
Consumption	*1455	*1584	*1682	*2051	*2535	*2755
Energy industries own use	..	..	..	..	..	..
By industry and construction	*677	*737	*782	*954	*1179	*1281
By transport	..	..	..	..	..	..
By households and other cons.	*779	*848	*900	*1097	*1356	*1474
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	548	517	534	863	952	1045
Combustible fuels	*93	180	198	320	292	445
Hydro	455	337	336	543	660	600
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	548	517	534	863	952	1045
Combustible fuels	*93	180	198	320	292	445
Hydro	455	337	336	543	660	600
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*516	*731	*774	*860	*851	*839
Fuel oil	*5131	*6626	*6747	*8969	*3192	*3313
<b>Total input</b>	*5647	*7357	*7521	*9829	*4043	*4151
<b>Total production</b>	1934	2528	2664	3366	1442	1170
<b>Estimated efficiency (% of production to input)</b>	34	34	35	34	36	28

**Statistics on electricity**
**Guinea-Bissau**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*91	*91	*108	*184	*202	*196
Combustible fuels	*88	*88	*97	*171	*188	*181
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	11	13	14	*15
Main activity	*68	*72	*89	*165	*183	*177
Combustible fuels	*65	*69	*78	*152	*169	*162
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	11	13	14	*15
Own use in electricity, CHP and heat plants	*3	*3	*3	*4	*3	*4
Net production	*88	*88	*105	*180	*199	*192
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*8	*8	*10	*17	*19	19
Consumption	80	80	*95	*163	*180	*174
Energy industries own use	..	..	..	..	..	..
By industry and construction	22	22	*24	24	*35	*35
By transport	..	..	..	..	..	..
By households and other cons.	58	59	*71	*139	*145	*139
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*27	*27	*45	*46	*47	*48
Combustible fuels	*26	*26	*40	*40	*40	*40
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	*5	*6	*7	*8
Main activity	*22	*22	*40	*41	*42	*43
Combustible fuels	*21	*21	*35	*35	*35	*35
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	*5	*6	*7	*8
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*980	*985	*1213	*2163	*2378	*2288
<b>Total input</b>	*980	*985	*1213	*2163	*2378	*2288
<b>Total production</b>	*315	*316	*351	*616	*677	*651
<b>Estimated efficiency (% of production to input)</b>	32	32	29	28	28	28

## Statistics on electricity

### Guyana

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1105	1136	1135	1136	1143	*1152
Combustible fuels	1098	1125	1123	1124	1129	*1134
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	11	11	12	14	18
Main activity	1022	1054	1105	1112	1120	*1135
Combustible fuels	1015	1043	1094	1100	1106	*1117
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	7	11	11	12	14	18
Own use in electricity, CHP and heat plants	12	33	22	24	24	*22
Net production	1092	1103	1112	1112	1119	*1130
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	233	235	247	230	231	*233
Consumption	859	868	869	881	883	*892
Energy industries own use	..	..	..	..	..	..
By industry and construction	334	337	325	328	329	*333
By transport	..	..	..	..	..	..
By households and other cons.	526	531	545	553	554	*559
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	348	348	335	337	359	372
Combustible fuels	343	340	327	329	349	360
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	8	8	8	10	12
Main activity	298	297	293	295	317	330
Combustible fuels	293	289	285	287	307	318
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	8	8	8	10	12
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	3096	3335	4018	4313	3700	5108
Fuel oil	7908	8356	8482	7584	6785	6997
Natural gas	..	2	14	45	37	60
Fuelwood	..	..	53	70	71	*71
Bagasse	327	231	155	121	94	80
<b>Total input</b>	11331	11923	12723	12133	10686	12317
<b>Total production</b>	3951	4049	4044	4046	4063	*4084
<b>Estimated efficiency (% of production to input)</b>	35	34	32	33	38	33

## Statistics on electricity

### Haiti

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1058	1048	1064	1029	1033	1012
Combustible fuels	928	848	887	882	896	824
Hydro	127	197	174	144	134	185
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	3
Main activity	1035	1027	1042	1008	1012	992
Combustible fuels	905	827	865	861	875	804
Hydro	127	197	174	144	134	185
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	3
Own use in electricity, CHP and heat plants	17	18	18	17	19	18
Net production	1041	1031	1046	1012	1014	994
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	159	157	160	154	155	152
Consumption	888	905	918	*856	890	878
Energy industries own use	..	..	..	..	..	..
By industry and construction	189	192	195	188	171	168
By transport	..	..	..	..	..	..
By households and other cons.	699	713	724	*668	719	710
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*344	*352	*471	*471	*471	*471
Combustible fuels	*282	*290	*390	*390	*390	*390
Hydro	61	61	78	78	78	*78
Nuclear	..	..	..	..	..	..
Other	1	1	3	3	3	*3
Main activity	*245	*250	*333	*333	*333	*333
Combustible fuels	*183	*188	*253	*253	*253	*253
Hydro	61	61	78	78	78	*78
Nuclear	..	..	..	..	..	..
Other	1	1	3	3	3	*3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	3856	3482	3534	3417	3363	3295
Fuel oil	8284	7725	7839	7581	7698	7544
<b>Total input</b>	12140	11207	11373	10998	11061	10840
<b>Total production</b>	3340	3052	3192	3175	3224	2967
<b>Estimated efficiency (% of production to input)</b>	28	27	28	29	29	27



## Statistics on electricity

### Honduras

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	9385	9629	10586	10059	10957	11149
Combustible fuels	4820	4253	5866	5232	4940	5228
Hydro	2971	3158	2430	2701	3765	3883
Nuclear	..	..	..	..	..	..
Other	1595	2219	2290	2127	2252	2039
Main activity	7875	7982	8595	8315	8774	8942
Combustible fuels	3309	2606	3935	3556	2826	3090
Hydro	2971	3158	2430	2701	3765	3883
Nuclear	..	..	..	..	..	..
Other	1595	2219	2230	2058	2183	1970
Own use in electricity, CHP and heat plants	14	14	23	74	108	0
Net production	9372	9616	10563	9985	10849	11149
Imports	446	372	260	292	204	195
Exports	25	8	6	0	3	5
Losses	2858	2991	3178	3511	3293	3580
Consumption	6935	7008	7648	6775	7774	7621
Energy industries own use	..	*20	*9	*10	*17	*16
By industry and construction	2143	2229	2687	2204	2591	2715
By transport	..	..	..	..	..	..
By households and other cons.	4792	4760	4951	4562	5166	4890
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2663	2740	2882	3011	3028	3184
Combustible fuels	1267	1254	1308	1318	1318	1393
Hydro	685	715	731	840	853	923
Nuclear	..	..	..	..	..	..
Other	711	771	844	852	857	868
Main activity	2269	2371	2427	2450	2467	2622
Combustible fuels	873	885	910	823	823	897
Hydro	685	715	730	840	853	923
Nuclear	..	..	..	..	..	..
Other	711	771	787	787	792	803
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	29	..	..	..	..	..
Gas-diesel oil	370	1114	2146	1324	565	421
Fuel oil	23315	17449	27121	26474	23609	27321
Liquefied petroleum gas	..	1201	1641	1443	1568	1262
Petroleum coke	6275	9369	8962	8270	8883	11140
Fuelwood	2	1	1	34	..	..
Bagasse	2088	21848	12889	9578	8074	7886
Vegetal waste	12218	9520	10858	7833	8109	8322
<b>Total input</b>	44297	60502	63618	54957	50808	56352
<b>Total production</b>	17352	15310	21118	18833	17784	18821
<b>Estimated efficiency (% of production to input)</b>	39	25	33	34	35	33

**Statistics on electricity**
**Hungary**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	32915	32067	34291	34930	36120	35775
Combustible fuels	15407	14725	15429	15358	15301	14365
Hydro	220	222	219	244	212	178
Nuclear	16098	15733	16288	16055	15990	15812
Other	1190	1387	2355	3273	4617	5419
Main activity	31615	30490	32313	32578	33270	32576
Combustible fuels	14501	13743	14373	14341	14344	13373
Hydro	220	222	219	244	212	178
Nuclear	16098	15733	16288	16055	15990	15812
Other	796	792	1433	1938	2724	3213
Own use in electricity, CHP and heat plants	2187	2176	2154	2016	1972	1991
Net production	30728	29891	32137	32914	34148	33783
Imports	19803	18613	19853	19176	19967	21589
Exports	6925	4265	7269	7499	7213	9437
Losses	3456	3357	3292	3139	3052	2781
Consumption	39647	40587	41383	41191	42805	42418
Energy industries own use	1154	1169	1161	1145	1089	1072
By industry and construction	16735	17234	17751	17480	18775	18206
By transport	1208	1207	1200	1214	1245	1307
By households and other cons.	20550	20977	21271	21352	21696	21833
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	8892	9332	10110	10901	11826	13205
Combustible fuels	6120	6118	6159	6145	6154	6038
Hydro	57	57	58	58	60	60
Nuclear	2000	2013	2013	2013	2027	2027
Other	715	1144	1880	2685	3585	5080
Main activity	8300	8569	9027	9495	9974	10526
Combustible fuels	5867	5867	5873	5871	5873	5644
Hydro	57	57	58	58	60	60
Nuclear	2000	2013	2013	2013	2027	2027
Other	376	632	1083	1553	2014	2795
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	1001	869	1069	804	506	447
Brown Coal	53838	54874	42046	39351	32564	32665
Biogas	2612	2546	2480	2390	2122	2215
Gas-diesel oil	344	129	172	86	301	301
Natural gas	69704	64509	75161	79079	84537	76977
Coke-oven gas	1722	2055	1957	1344	1705	1314
Blast furnace gas	2895	3056	2801	2271	1582	1265
Fuelwood	*20873	*21958	*21342	*20374	*21854	*21262
Municipal waste	4314	4399	4309	4733	4861	4543
Industrial waste	939	1223	1338	1263	1337	1393
Others	686	785	503	383	378	337
<b>Total input</b>	158929	156403	153178	152078	151747	142720
<b>Total production</b>	55465	53010	55544	55289	55085	51715
<b>Estimated efficiency (% of production to input)</b>	35	34	36	36	36	36

## Statistics on electricity

### Iceland

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	19239	19830	19489	19127	19614	20120
Combustible fuels	2	2	3	3	2	3
Hydro	14059	13814	13461	13157	13804	14196
Nuclear	..	..	..	..	..	..
Other	5178	6014	6025	5967	5808	5922
Main activity	19239	19830	19489	19127	19614	20120
Combustible fuels	2	2	3	3	2	3
Hydro	14059	13814	13461	13157	13804	14196
Nuclear	..	..	..	..	..	..
Other	5178	6014	6025	5967	5808	5922
Own use in electricity, CHP and heat plants	392	397	369	349	387	423
Net production	18846	19432	19120	18779	19227	19697
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	591	554	531	540	565	540
Consumption	18061	18664	18402	18049	18505	19031
Energy industries own use	169	177	175	180	159	158
By industry and construction	15388	15525	14900	14738	15057	15324
By transport	76	89	23	28	42	61
By households and other cons.	2427	2874	3304	3102	3247	3488
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2823	2973	2979	2989	2999	3006
Combustible fuels	116	116	116	116	126	126
Hydro	1995	2099	2104	2114	2114	2122
Nuclear	..	..	..	..	..	..
Other	712	758	758	758	758	758
Main activity	2823	2973	2979	2989	2999	3006
Combustible fuels	116	116	116	116	126	126
Hydro	1995	2099	2104	2114	2114	2122
Nuclear	..	..	..	..	..	..
Other	712	758	758	758	758	758
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	27	24	53	24	35	42
Biodiesel	0	0	0	..	..	..
<b>Total input</b>	27	24	53	24	35	42
<b>Total production</b>	8	7	10	11	9	11
<b>Estimated efficiency (% of production to input)</b>	28	28	18	46	25	25

**Statistics on electricity**
**India**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1490257	1521958	1576740	*1533307	*1610082	1816815
Combustible fuels	1217575	1244959	1253707	*1200660	*1247823	1423001
Hydro	126235	135164	156049	*160909	*162441	162499
Nuclear	38346	37813	46472	*43029	*47112	45861
Other	108101	*104022	*120512	*128709	*152706	*185454
Main activity	1305954	1346325	1358798	*1351266	*1474027	1588089
Combustible fuels	1037184	1072314	1042838	*1027127	*1122700	1206301
Hydro	126123	134894	155769	*160558	*162091	162099
Nuclear	38346	37813	46472	*43029	*47112	45861
Other	104301	*101304	*113719	*120552	*142124	*173828
Own use in electricity, CHP and heat plants	100826	108297	*109107	*123512	*129984	*141130
Net production	1389431	1413661	1467633	*1409795	*1480098	1675685
Imports	5611	4657	6351	*9318	*9548	7843
Exports	7203	8494	9491	*9426	*9574	10253
Losses	259827	269165	266527	*252502	*289838	279545
Consumption	1135284	1163990	1297138	*1187126	*1212023	1409224
Energy industries own use	*4956	*5679	*5645	*4937	*5404	*5824
By industry and construction	*468909	484843	551362	*500291	*529124	595000
By transport	14356	16823	19577	*18500	*19800	25000
By households and other cons.	647063	656645	720554	*663398	*657695	783400
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	400455	427794	442320	458430	472397	487554
Combustible fuels	276062	298316	305307	307076	305746	309169
Hydro	45344	45502	45830	46341	46858	46990
Nuclear	6780	6780	6780	6780	6780	6780
Other	72269	77196	84403	*98233	*113013	*124615
Main activity	343824	352179	364297	382151	398055	410714
Combustible fuels	222907	226279	230600	234728	236109	237269
Hydro	45293	45399	45699	46209	46723	46850
Nuclear	6780	6780	6780	6780	6780	6780
Other	68844	73721	81218	*94434	*108443	*119815
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	10383044	11026567	10981401	9854338	*10851386	*12304665
Brown Coal	372854	362189	363320	319489	565256	605598
Gas-diesel oil	15222	21457	13803	19608	21586	18318
Fuel oil	12362	14059	12968	*9575	13776	17655
Liquefied petroleum gas	..	95	47	..	..	..
Naphtha	2982	223	..	*3115	*267	846
Natural gas	632575	468447	*637011	*646955	*607816	*541952
Coke-oven gas	*36321	*38643	*40732	*37601	*43250	*44471
Bagasse	558763	569080	584108	581059	*601983	*735792
Vegetal waste	132922	102533	100589	134091	137256	*129506
<b>Total input</b>	12147045	12603292	12733980	11605830	*12842576	*14398802
<b>Total production</b>	4383270	4481852	4513345	*4322376	*4492163	5122804
<b>Estimated efficiency (% of production to input)</b>	36	36	35	37	35	36

## Statistics on electricity

### Indonesia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	262673	275657	281248	276504	289471	344244
Combustible fuels	230068	242665	247723	240582	252870	301613
Hydro	18632	19774	20435	21624	19580	25013
Nuclear	..	..	..	..	..	..
Other	13973	13218	13089	14298	17021	17618
Main activity	205415	228599	236449	238950	249666	310753
Combustible fuels	187715	195606	203610	203848	214895	268122
Hydro	12425	19774	19749	20804	17750	25013
Nuclear	..	..	..	..	..	..
Other	5276	13218	13089	14298	17021	17618
Own use in electricity, CHP and heat plants	9865	10784	11929	12758	11579	23231
Net production	252808	264873	269319	263746	277892	321013
Imports	1120	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	24887	25093	25822	25263	25143	27655
Consumption	244637	251796	258092	250204	258511	294156
Energy industries own use	..	..	..	..	..	..
By industry and construction	93465	92968	88323	79555	*80904	107174
By transport	240	266	278	160	261	287
By households and other cons.	150932	158562	169491	170489	177346	186695
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	59370	63913	65097	65491	73149	73599
Combustible fuels	51394	56013	57079	57225	63166	63493
Hydro	4990	5587	5617	5717	6465	6572
Nuclear	..	..	..	..	..	..
Other	2986	2313	2401	2549	3518	3535
Main activity	46430	52346	52616	53039	58450	58484
Combustible fuels	39797	44763	45022	45231	49223	49193
Hydro	4853	5436	5447	5513	5964	6012
Nuclear	..	..	..	..	..	..
Other	1780	2146	2147	2294	3263	3279
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	2013593	2393869	2572155	2676052	2956208	3393966
Motor gasoline	6867	8284	7682	*7974	..	..
Gas-diesel oil	97653	123109	104087	100362	*107182	90945
Fuel oil	16483	22180	16083	14483	9708	3936
Natural gas	559508	465092	546210	403234	400947	425473
Fuelwood	0	..	..	..	..	..
Charcoal	*266	..	..	..	..	..
Biodiesel	*9826	*10746	*15382	22227	21546	25302
<b>Total input</b>	2704194	3023279	3261600	3224332	3495591	3939622
<b>Total production</b>	828245	873594	891803	866096	910332	1085807
<b>Estimated efficiency (% of production to input)</b>	31	29	27	27	26	28

**Statistics on electricity**
**Iran (Islamic Rep. of)**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	307992	309642	326672	342427	355912	367669
Combustible fuels	285036	285569	287539	313487	337927	345417
Hydro	15051	15765	31087	22076	12267	12619
Nuclear	7514	7450	6757	5527	4358	8085
Other	391	858	1288	1338	1359	1548
Main activity	300087	304385	320793	336307	349317	360897
Combustible fuels	277131	280311	281660	307367	331333	338645
Hydro	15051	15765	31087	22076	12267	12619
Nuclear	7514	7450	6757	5527	4358	8085
Other	391	858	1288	1338	1359	1548
Own use in electricity, CHP and heat plants	8833	8702	14293	16546	10455	10800
Net production	299159	300940	312379	325881	345457	356869
Imports	3852	2588	1342	2674	3019	3019
Exports	8172	6295	8206	9470	5723	5723
Losses	33722	32853	32550	33359	35736	36926
Consumption	254942	262084	277698	291067	307143	318539
Energy industries own use	3225	3362	3619	3706	3676	3610
By industry and construction	80749	87491	95974	104541	107038	111080
By transport	477	514	622	558	633	657
By households and other cons.	170491	170717	177483	182263	195796	203191
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	76568	78794	80467	83506	85432	95004
Combustible fuels	63156	65253	66752	69590	71449	81600
Hydro	11949	11953	12026	12192	12193	11503
Nuclear	1020	1020	1020	1020	1020	1020
Other	443	568	669	*704	*770	881
Main activity	70815	72889	74467	77506	79432	89004
Combustible fuels	57403	59348	60752	63590	65449	75600
Hydro	11949	11953	12026	12192	12193	11503
Nuclear	1020	1020	1020	1020	1020	1020
Other	443	568	669	*704	*770	881
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	288	254	219	278	271	271
Gas-diesel oil	181176	216433	371722	369357	361788	374691
Fuel oil	141457	131677	205957	224776	258329	221199
Other kerosene	175	165	..	..	..	..
Natural gas	2730586	2650860	2370940	2649370	2883922	2979957
Coke-oven gas	2181	2225	3401	3543	3336	3607
Blast furnace gas	7739	7018	8324	7980	7176	6644
<b>Total input</b>	3063602	3008632	2960561	3255304	3514822	3586368
<b>Total production</b>	1026131	1028048	1035141	1128553	1216538	1243500
<b>Estimated efficiency (% of production to input)</b>	33	34	35	35	35	35

## Statistics on electricity

### Iraq

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	85541	81292	87370	85433	86164	115530
Combustible fuels	83307	79417	82350	81214	82761	112818
Hydro	2176	1818	4963	4162	3346	2651
Nuclear	..	..	..	..	..	..
Other	57	57	57	57	57	61
Main activity	85484	81235	87313	85376	86107	115469
Combustible fuels	83307	79417	82350	81214	82761	112818
Hydro	2176	1818	4963	4162	3346	2651
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1917	2296	6282	5638	5018	4197
Net production	83623	78997	81088	79795	81147	111333
Imports	13644	21793	34396	38814	41464	6089
Exports	..	..	..	..	..	..
Losses	*53803	*63568	*76371	*72871	66421	*61138
Consumption	*40771	39592	*42087	44499	52325	56284
Energy industries own use	..	..	..	..	..	..
By industry and construction	*5169	4783	*5084	*5340	5772	6108
By transport	..	..	..	..	..	..
By households and other cons.	*35602	34809	*37002	39159	46554	50176
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	26134	27234	27234	*27234	*27234	*27239
Combustible fuels	24300	25400	25400	*25400	*25400	*25400
Hydro	1797	1797	1797	1797	1797	1797
Nuclear	..	..	..	..	..	..
Other	37	37	37	37	37	42
Main activity	26097	27197	27197	*27197	*27197	*27197
Combustible fuels	24300	25400	25400	*25400	*25400	*25400
Hydro	1797	1797	1797	1797	1797	1797
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Crude oil	338791	338423	313050	323406	379678	546820
Gas-diesel oil	28264	31474	49078	34500	24720	23401
Fuel oil	192951	143339	159410	141132	174774	186391
Natural gas	425006	534497	664420	706958	681264	672762
<b>Total input</b>	985011	1047734	1185959	1205996	1260437	1429373
<b>Total production</b>	299907	285903	296459	292370	297940	406145
<b>Estimated efficiency (% of production to input)</b>	30	27	25	24	24	28

## Statistics on electricity

### Ireland

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	30874	31135	30956	32267	31862	33856
Combustible fuels	22525	21546	19771	19440	20968	21551
Hydro	895	932	1132	1224	1036	948
Nuclear	..	..	..	..	..	..
Other	7454	8658	10053	11603	9858	11357
Main activity	28637	28925	28786	30073	29658	31591
Combustible fuels	20334	19393	17687	17352	18904	19479
Hydro	895	932	1132	1224	1036	948
Nuclear	..	..	..	..	..	..
Other	7408	8600	9967	11496	9718	11164
Own use in electricity, CHP and heat plants	783	782	685	757	851	823
Net production	30091	30353	30270	31510	31010	33032
Imports	1116	1622	2180	1761	2451	1582
Exports	1795	1649	1535	1913	863	1330
Losses	2176	2236	2275	2312	2410	2462
Consumption	27154	28513	29046	29327	30639	31255
Energy industries own use	516	632	614	674	622	487
By industry and construction	6746	6482	6466	6900	6853	6861
By transport	54	66	86	95	147	200
By households and other cons.	19837	21333	21879	21659	23017	23706
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	10610	10987	11130	11242	11140	11310
Combustible fuels	6745	6752	6417	6316	6139	6000
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	3336	3706	4184	4397	4472	4780
Main activity	10224	10576	10682	10758	10605	10716
Combustible fuels	6395	6396	6053	5949	5768	5629
Hydro	529	529	529	529	529	529
Nuclear	..	..	..	..	..	..
Other	3299	3651	4100	4280	4308	4558
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	37501	21254	6693	8282	29254	24713
Peat	22480	20982	20851	15436	5596	5835
Biogas	1914	1699	1694	1593	1643	1523
Gas-diesel oil	306	342	515	475	1273	1178
Fuel oil	1075	1089	2725	3931	13733	9400
Liquefied petroleum gas	27	27	27	18	19	25
Refinery gas	14	..	..	..	..	..
Natural gas	112511	114234	117046	119186	108756	120431
Fuelwood	*3561	*3184	*3223	*4105	*4203	*4548
Municipal waste	4596	7957	7748	8155	7796	7863
<b>Total input</b>	183986	170767	160521	161183	172273	175516
<b>Total production</b>	81091	77565	71175	69985	75485	77583
<b>Estimated efficiency (% of production to input)</b>	44	45	44	43	44	44



## Statistics on electricity

### Isle of Man

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	467	493	581	552	360	577
Combustible fuels	463	490	578	548	356	575
Hydro	4	*2	3	4	4	2
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	443	460	548	518	328	544
Combustible fuels	439	457	545	515	324	542
Hydro	4	*2	3	4	4	2
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	1	0	0
Net production	467	492	581	551	360	577
Imports	41	*51	*23	*24	*151	50
Exports	95	131	192	168	103	194
Losses	*50	*50	*46	61	*62	*60
Consumption	363	362	366	352	342	363
Energy industries own use	..	..	..	..	..	..
By industry and construction	133	135	141	128	123	134
By transport	..	..	..	..	..	..
By households and other cons.	230	227	225	224	219	229
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	187	187	184	184	184	184
Combustible fuels	186	186	183	183	183	183
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	180	180	176	176	176	176
Combustible fuels	179	179	175	175	175	175
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	48	35	29	8	75	*19
Natural gas	3587	3587	4304	4167	2585	4083
Municipal waste	*396	*546	*542	*543	*526	542
<b>Total input</b>	4031	4168	4875	4718	3186	4643
<b>Total production</b>	1666	1765	2080	1973	1283	2070
<b>Estimated efficiency (% of production to input)</b>	41	42	43	42	40	45

## Statistics on electricity

### Israel

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	67674	68894	72351	72285	73796	75964
Combustible fuels	65742	66978	68796	67702	68054	69347
Hydro	0	0	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1933	1916	3555	4583	5743	6618
Main activity	63409	63847	65506	64212	64475	66002
Combustible fuels	63409	63847	65000	63574	63698	65270
Hydro	0	0	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	505	638	776	731
Own use in electricity, CHP and heat plants	2199	2304	2425	2374	2307	2338
Net production	65476	66590	69926	69910	71489	73626
Imports	..	..	..	..	..	..
Exports	5649	5863	6311	6243	6523	7016
Losses	2387	2514	2787	3197	3455	3549
Consumption	57149	58307	60760	60910	61603	64460
Energy industries own use	855	826	871	861	897	859
By industry and construction	12943	13996	12521	12615	13011	12105
By transport	..	..	..	..	..	..
By households and other cons.	43352	43485	47368	47433	47695	51497
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	17927	18120	19239	20106	21458	22552
Combustible fuels	16813	16617	16837	16982	17437	17173
Hydro	8	9	9	309	309	309
Nuclear	..	..	..	..	..	..
Other	1106	1493	2392	2815	3712	5071
Main activity	16236	16001	16460	16818	17255	16989
Combustible fuels	16205	15964	16181	16239	16690	16422
Hydro	4	2	2	302	302	302
Nuclear	..	..	..	..	..	..
Other	27	35	277	277	263	265
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	206953	195455	206387	180082	160954	158590
Biogas	960	878	878	963	846	913
Oil shale	1783	648	614	520	623	211
Gas-diesel oil	6594	2646	6648	1751	1122	1889
Fuel oil	1284	968	865	525	364	848
Natural gas	342459	300611	287920	317304	340017	354454
<b>Total input</b>	560033	501207	503312	501146	503927	516905
<b>Total production</b>	236671	241120	247667	243727	244993	249649
<b>Estimated efficiency (% of production to input)</b>	42	48	49	49	49	48

## Statistics on electricity

### Italy

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	295830	289708	293853	280531	289074	283961
Combustible fuels	208824	192129	195084	180805	189132	198515
Hydro	38025	50503	48154	49495	47478	30291
Nuclear	..	..	..	..	..	..
Other	48982	47077	50616	50231	52463	55155
Main activity	276048	266925	271513	260196	238868	230034
Combustible fuels	189674	170015	173389	161147	149948	157612
Hydro	37536	50037	47661	49030	47148	30044
Nuclear	..	..	..	..	..	..
Other	48839	46873	50463	50019	41772	42379
Own use in electricity, CHP and heat plants	10564	9864	9903	8883	9028	9345
Net production	285266	279845	283950	271648	280045	274616
Imports	42895	47170	43975	39790	46572	47391
Exports	5134	3271	5834	7590	3782	4404
Losses	18668	17988	17818	17366	19032	19152
Consumption	304359	305755	304273	286483	303803	298438
Energy industries own use	12393	12674	12340	11282	11603	11450
By industry and construction	115609	116070	119535	117305	117551	111638
By transport	11383	11540	11542	10114	8590	9009
By households and other cons.	164973	165471	160856	147781	166059	166342
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	114241	115221	116435	116383	117160	120947
Combustible fuels	61289	61276	61284	60106	59496	60135
Hydro	22426	22499	22541	22695	22750	22861
Nuclear	..	..	..	..	..	..
Other	30526	31446	32610	33583	34914	37951
Main activity	109207	109699	111003	111218	96690	98243
Combustible fuels	56426	55929	56028	55115	49766	50150
Hydro	22307	22393	22435	22604	22648	22755
Nuclear	..	..	..	..	..	..
Other	30473	31377	32541	33498	24277	25337
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	304038	266920	183035	144183	151543	241182
Biogas	77414	76494	81049	79520	70414	67698
Fuel oil	20059	12496	12649	12985	18333	25033
Refinery gas	30818	30381	31070	27800	10418	11391
Other oil products	119490	125585	107705	101846	74998	104810
Natural gas	1162357	1075138	1171351	1114340	1102157	1058304
Blast furnace gas	16953	17987	17071	10825	14764	11772
Fuelwood	*72332	*72080	*71284	*73475	*69717	65410
Municipal waste	71443	70893	73103	70608	70719	70483
Other liquid biofuels	26895	26114	28444	28341	24148	18043
Others	18031	15985	16476	14452	12648	11437
<b>Total input</b>	1919829	1790074	1793237	1678376	1619860	1685562
<b>Total production</b>	751765	691664	702303	650898	680876	714655
<b>Estimated efficiency (% of production to input)</b>	39	39	39	39	42	42

**Statistics on electricity**
**Jamaica**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4360	4402	4465	4939	4705	5243
Combustible fuels	3873	3875	3948	4399	4170	4652
Hydro	154	179	155	136	139	116
Nuclear	..	..	..	..	..	..
Other	333	348	362	404	396	475
Main activity	2533	2561	2916	3975	3686	4178
Combustible fuels	2379	2382	2761	3839	3547	4062
Hydro	154	179	155	136	139	116
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	18	46	40	*59	*58	7
Net production	4342	4356	4425	4880	4648	5235
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1152	1144	1149	1185	1218	1266
Consumption	3191	3299	3409	3873	3646	3380
Energy industries own use	..	..	..	..	..	..
By industry and construction	1358	1800	1353	1527	1166	1174
By transport	..	..	..	..	..	..
By households and other cons.	1833	1499	2056	2346	2480	2206
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1041	1045	*1150	*1156	*1156	*1156
Combustible fuels	871	874	*962	*968	*968	*968
Hydro	29	29	29	*29	*29	*29
Nuclear	..	..	..	..	..	..
Other	141	142	*159	*159	*159	*159
Main activity	661	665	*665	*665	*665	*665
Combustible fuels	609	612	*612	*612	*612	*612
Hydro	29	29	29	*29	*29	*29
Nuclear	..	..	..	..	..	..
Other	23	24	*24	*24	*24	*24
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1587	1419	1744	1747	1383	2813
Fuel oil	29007	29169	26496	10584	9422	10533
Natural gas	*4089	3789	11434	25071	25344	19649
Bagasse	*980	*778	*954	*780	*780	*772
<b>Total input</b>	35663	35155	40628	38182	36928	33768
<b>Total production</b>	13943	13950	14212	15837	15013	16749
<b>Estimated efficiency (% of production to input)</b>	39	40	35	41	41	50

## Statistics on electricity

### Japan

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1080585	1066840	1038532	1016901	1049662	1018606
Combustible fuels	871912	821926	788485	782680	773669	755458
Hydro	91104	88348	87653	87548	88825	86038
Nuclear	32912	64929	63779	38752	70805	56070
Other	84658	91637	98614	107920	116362	121040
Main activity	929784	906514	878298	857863	876470	845950
Combustible fuels	791580	737145	708036	708059	690712	675126
Hydro	88356	85058	84325	84549	85784	82955
Nuclear	32912	64929	63779	38752	70805	56070
Other	16936	19382	22158	26504	29169	31799
Own use in electricity, CHP and heat plants	48209	43484	42133	40382	41370	41742
Net production	1032376	1023356	996399	976519	1008292	976864
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	40642	45010	44095	46265	49292	42222
Consumption	989515	970463	951967	938934	951156	932451
Energy industries own use	24895	24894	24828	25502	27426	25726
By industry and construction	346143	347162	337896	322843	331403	317568
By transport	17496	17304	17315	16530	16530	16530
By households and other cons.	600980	581104	571928	574060	575797	572627
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	349557	356630	355932	369759	375637	385317
Combustible fuels	200906	200893	195898	198255	195455	195944
Hydro	50014	50037	50033	50033	49929	50008
Nuclear	39132	38042	33083	33083	33083	33083
Other	59505	67659	76918	88388	97170	106282
Main activity	277170	276708	269718	274171	274265	277227
Combustible fuels	177075	175706	171244	173127	171052	170756
Hydro	49562	49582	49635	49635	49532	49613
Nuclear	39132	38042	33083	33083	33083	33083
Other	11401	13378	15756	18325	20598	23775
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	2973099	2866822	2839565	2682259	2733676	2721591
Fuel oil	230668	165907	123333	119784	170334	197008
Refinery gas	132644	105276	81099	98351	112054	98044
Natural gas	3287592	3127444	2938633	3023126	2750965	2593447
Coke-oven gas	62449	58947	59835	53931	48168	42627
Blast furnace gas	196630	190515	184687	144098	174055	138027
Fuelwood	*49428	*61510	*75004	*97367	*114765	*141239
Vegetal waste	*65387	*66502	*88171	*77286	*104571	*68872
Industrial waste	154752	173755	151587	144510	145355	147475
Bitumen	45702	41532	39058	21599	30695	37885
Others	228213	183254	180180	168931	166477	155768
<b>Total input</b>	7426563	7041465	6761152	6631244	6551115	6341982
<b>Total production</b>	3138884	2958933	2838547	2817650	2785209	2719649
<b>Estimated efficiency (% of production to input)</b>	42	42	42	42	43	43

## Statistics on electricity

### Jersey

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	49	45	44	43	33	41
Combustible fuels	49	45	44	43	33	41
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4	2	2	1	1	1
Combustible fuels	4	2	2	1	1	1
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	49	45	44	43	33	41
Imports	626	637	630	610	641	606
Exports	..	..	..	..	..	..
Losses	53	48	40	39	44	38
Consumption	620	633	632	613	633	607
Energy industries own use	..	..	..	..	..	..
By industry and construction	*239	*239	*234	*206	*208	*212
By transport	..	..	..	..	..	..
By households and other cons.	381	395	398	407	426	395
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	72	72	*72	*72	*72	*72
Combustible fuels	72	72	*72	*72	*72	*72
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	50	50	*50	*50	*50	*50
Combustible fuels	50	50	*50	*50	*50	*50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	58	32	28	19	21	17
Municipal waste	*799	*760	*764	*760	*760	*760
<b>Total input</b>	*857	*792	*792	*779	*781	*777
<b>Total production</b>	176	161	159	156	120	148
<b>Estimated efficiency (% of production to input)</b>	21	20	20	20	15	19

## Statistics on electricity

### Jordan

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	20793	20476	20995	20952	21289	22065
Combustible fuels	19387	18332	18016	16675	16168	16425
Hydro	38	23	18	18	19	19
Nuclear	..	..	..	..	..	..
Other	1369	2122	2961	4259	5102	5621
Main activity	19244	18737	19056	18838	19038	19508
Combustible fuels	18154	17154	16794	15768	15261	15518
Hydro	38	23	18	18	19	19
Nuclear	..	..	..	..	..	..
Other	1053	1560	2244	3052	3758	3971
Own use in electricity, CHP and heat plants	514	443	401	377	364	*370
Net production	20279	20033	20594	20576	20925	21695
Imports	51	188	239	632	395	263
Exports	57	94	98	190	173	192
Losses	2029	2094	2249	2307	2341	*2200
Consumption	17605	17594	17999	18670	19012	19430
Energy industries own use	101	100	89	100	96	*100
By industry and construction	3910	3861	3622	3592	4049	*4028
By transport	..	..	..	..	..	..
By households and other cons.	13594	13632	14287	14978	14867	15302
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4551	4891	5269	6561	6811	*6791
Combustible fuels	3941	3796	3796	4250	4247	*4208
Hydro	6	6	6	6	4	4
Nuclear	..	..	..	..	..	..
Other	604	1089	1467	*2305	*2560	*2579
Main activity	4099	4281	4559	5411	5541	*5521
Combustible fuels	3691	3546	3546	4000	3977	*3938
Hydro	6	6	6	6	4	4
Nuclear	..	..	..	..	..	..
Other	402	729	1007	1405	1560	1579
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	49	41	42	42	31	1
Gas-diesel oil	2847	2791	3014	2907	2971	3086
Fuel oil	24313	10670	6973	6282	7316	6451
Natural gas	163276	159917	155279	148962	144905	153925
<b>Total input</b>	190484	173418	165308	158193	155224	163464
<b>Total production</b>	69791	65994	64857	60030	58205	59130
<b>Estimated efficiency (% of production to input)</b>	37	38	39	38	37	36

## Statistics on electricity

### Kazakhstan

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	103197	107605	106878	110890	115078	113461
Combustible fuels	91487	96364	95346	98711	102493	100130
Hydro	11210	10395	9994	9660	9208	9201
Nuclear	..	..	..	..	..	..
Other	499	845	1538	2519	3377	4130
Main activity	100169	104453	105730	108629	98830	97999
Combustible fuels	88526	93456	94638	96703	89276	87410
Hydro	11210	10395	9994	9660	6193	6472
Nuclear	..	..	..	..	..	..
Other	433	602	1098	2266	3361	4117
Own use in electricity, CHP and heat plants	0	0	6488	9542	1613	7562
Net production	103197	107605	100390	101348	113466	105899
Imports	1328	1561	1935	1569	2071	3694
Exports	5692	5042	2419	2323	2639	2243
Losses	6411	6569	9689	6746	9445	12441
Consumption	88750	95318	80662	80050	103464	94883
Energy industries own use	9957	14981	8707	9928	16595	11721
By industry and construction	47606	50396	44081	43978	43995	40574
By transport	5626	3234	3525	2939	3787	3502
By households and other cons.	25560	26707	24350	23206	39088	39087
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*26319	26192	24827	25976	26803	27370
Combustible fuels	*23251	22640	20281	20652	21956	21961
Hydro	2726	2756	2778	2785	*2806	*2808
Nuclear	..	..	..	..	..	..
Other	342	796	1769	2540	2041	2601
Main activity	*25513	25269	24291	25068	22956	23523
Combustible fuels	*22500	21902	20079	20079	19456	19461
Hydro	2726	2756	2778	2785	*1806	*1808
Nuclear	..	..	..	..	..	..
Other	287	611	1434	2205	1694	2254
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	902591	991148	948986	948231	708461	891756
Brown Coal	8132	10486	5748	2263	1942	2561
Biogas	32	19	43	70	37	3
Gas-diesel oil	..	..	..	..	16790	10793
Fuel oil	8888	8601	7442	7660	14979	9963
Natural gas	261839	313105	311886	297164	304109	315959
<b>Total input</b>	1181481	1323358	1274105	1255388	1046318	1231035
<b>Total production</b>	329354	346911	343247	355359	368975	360467
<b>Estimated efficiency (% of production to input)</b>	28	26	27	28	35	29



## Statistics on electricity

### Kenya

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	10360	11182	11621	11604	12377	12962
Combustible fuels	2766	1679	1526	891	1512	1849
Hydro	2777	3986	3205	4233	3675	3068
Nuclear	..	..	..	..	..	..
Other	4818	5517	6890	6480	7189	8045
Main activity	10129	11049	11408	11467	12103	12670
Combustible fuels	2534	1546	1313	755	1262	1585
Hydro	2777	3986	3205	4233	3651	3040
Nuclear	..	..	..	..	..	..
Other	4818	5517	6890	6480	7189	8045
Own use in electricity, CHP and heat plants	84	86	86	120	95	430
Net production	10276	11096	11535	11483	12281	12531
Imports	230	130	212	137	288	316
Exports	12	35	16	17	18	0
Losses	1938	2445	2751	2791	2831	2839
Consumption	8410	8702	8854	8955	9734	10008
Energy industries own use	..	..	..	..	..	..
By industry and construction	5067	4337	4441	4440	4897	4958
By transport	..	..	..	..	..	..
By households and other cons.	3343	4366	4413	4515	4837	5050
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2321	3043	3155	3173	3331	3462
Combustible fuels	816	1209	1113	1087	1016	1020
Hydro	826	821	826	834	843	844
Nuclear	..	..	..	..	..	..
Other	679	1014	1216	1252	1472	1599
Main activity	2271	2679	2791	2835	2988	3119
Combustible fuels	766	845	749	749	678	682
Hydro	826	821	826	834	838	839
Nuclear	..	..	..	..	..	..
Other	679	1014	1216	1252	1472	1599
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	5	4	4	2	6	4
Gas-diesel oil	1196	9116	9159	3268	4278	9868
Fuel oil	11009	*7272	4646	5050	9519	8645
Other kerosene	..	..	..	..	759	505
Other oil products	..	..	..	..	1052	823
Vegetal waste	16800	2027	1775	2624	2999	3172
<b>Total input</b>	29010	18419	15584	10944	18612	23017
<b>Total production</b>	9956	6043	5493	3209	5445	6658
<b>Estimated efficiency (% of production to input)</b>	34	33	35	29	29	29

## Statistics on electricity

### Kiribati

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	34	35	38	*37	*38	*38
Combustible fuels	29	30	33	*32	*33	*33
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	*5	*5	*5
Main activity	31	33	35	*35	*36	*36
Combustible fuels	27	28	30	*30	*31	*31
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	*5	*5	*5
Own use in electricity, CHP and heat plants	1	1	1	*1	*1	*1
Net production	32	34	36	*36	*37	*37
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	5	5	3	5	*4
Consumption	*28	*29	*32	*33	*32	*33
Energy industries own use	..	..	..	..	..	..
By industry and construction	*8	*8	*9	*8	*9	*9
By transport	..	..	..	..	..	..
By households and other cons.	*20	*21	*23	*25	*23	*24
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*11	*11	*12	*12	*12	*12
Combustible fuels	*8	*8	*9	*9	*9	*9
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	*3	*3	*3
Main activity	*10	*10	*11	*10	*11	*11
Combustible fuels	*7	*7	*8	*7	*8	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	*3	*3	*3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*292	*310	*331	*301	*305	*310
<b>Total input</b>	*292	*310	*331	*301	*305	*310
<b>Total production</b>	103	109	117	*116	*118	*119
<b>Estimated efficiency (% of production to input)</b>	35	35	35	39	39	38

**Statistics on electricity**
**Korea, Dem.Ppl's.Rep.**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	23544	24949	23853	24053	25565	26465
Combustible fuels	11600	12100	12800	11200	9400	9800
Hydro	11900	12800	11000	12800	16100	16600
Nuclear	..	..	..	..	..	..
Other	45	49	53	53	65	65
Main activity	23544	24949	23853	24053	25565	26465
Combustible fuels	11600	12100	12800	11200	9400	9800
Hydro	11900	12800	11000	12800	16100	16600
Nuclear	..	..	..	..	..	..
Other	45	49	53	53	65	65
Own use in electricity, CHP and heat plants	2230	2363	2260	2279	2422	2507
Net production	21314	22585	21593	21774	23143	23958
Imports	..	3	28	9	0	0
Exports	..	296	33	7	413	517
Losses	3721	3897	3769	3802	3975	4101
Consumption	17593	18396	17818	17975	18755	19340
Energy industries own use	..	..	..	..	..	..
By industry and construction	12002	12550	12156	12263	12795	13194
By transport	530	554	536	541	565	582
By households and other cons.	5061	5292	5126	5171	5395	5563
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	7756	8188	8192	8267	8278	8278
Combustible fuels	2960	3360	3360	*3360	*3360	*3360
Hydro	4761	4790	4790	4865	4865	4865
Nuclear	..	..	..	..	..	..
Other	35	38	42	42	53	53
Main activity	7756	8188	8192	8267	8278	8278
Combustible fuels	2960	3360	3360	*3360	*3360	*3360
Hydro	4761	4790	4790	4865	4865	4865
Nuclear	..	..	..	..	..	..
Other	35	38	42	42	53	53
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	140816	148355	155213	135041	115342	119680
Brown Coal	3164	2638	2950	2775	2278	2380
Fuel oil	14134	13843	16757	15446	9180	10346
<b>Total input</b>	158114	164836	174920	153262	126800	132406
<b>Total production</b>	41758	43560	46080	40320	33840	35280
<b>Estimated efficiency (% of production to input)</b>	26	26	26	26	27	27

**Statistics on electricity**
**Korea, Republic of**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	570109	589378	568414	574095	609460	613888
Combustible fuels	403377	434559	397708	381567	412992	394082
Hydro	7006	7270	6249	7148	6737	7256
Nuclear	148427	133505	145910	160184	158015	176054
Other	11299	14043	18547	25195	31716	36496
Main activity	533140	552029	531344	534643	567257	580981
Combustible fuels	367372	398333	361983	343623	372512	363244
Hydro	7006	7270	6249	7148	6737	7256
Nuclear	148427	133505	145910	160184	158015	176054
Other	10335	12921	17202	23688	29992	34427
Own use in electricity, CHP and heat plants	21227	23272	21754	21028	30485	30680
Net production	548882	566106	546660	553066	578975	583208
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	18790	18183	19000	18610	19424	20020
Consumption	543861	550590	542836	532348	556933	562914
Energy industries own use	20624	19216	19020	19653	20971	21186
By industry and construction	274429	278814	272589	262376	275642	278607
By transport	2864	2967	3111	3271	3626	3665
By households and other cons.	245944	249593	248116	247048	256694	259455
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	123485	128206	132898	139181	143787	148729
Combustible fuels	86377	89014	88174	89555	90109	90109
Hydro	6494	6498	6509	6507	6521	6513
Nuclear	22529	21850	23250	23250	23250	24650
Other	8085	10844	14964	19868	23907	27456
Main activity	113954	117633	122844	128753	132944	137428
Combustible fuels	78130	80138	80211	81592	82146	82146
Hydro	6494	6498	6509	6507	6521	6513
Nuclear	22529	21850	23250	23250	23250	24650
Other	6802	9147	12873	17403	21027	24119
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	2138581	2211701	2201498	1866058	1828275	1593597
Brown Coal	208595	192147	37190	36460	40486	37369
Fuel oil	44641	48864	28553	18122	18306	30929
Naphtha	45689	47573	31957	31634	36444	36043
Natural gas	984356	1207447	1136360	1183330	1365000	1304801
Coke-oven gas	35239	36748	33942	30634	28727	28466
Blast furnace gas	123685	122311	130363	125351	127645	114342
Fuelwood	*41348	*52534	*55244	*54312	*52750	*62112
Industrial waste	13666	13476	11985	12882	15464	15474
Other recovered gases	34685	38854	32944	42544	42055	37613
Others	50221	53939	63750	50606	53571	62425
<b>Total input</b>	3720707	4025592	3763785	3451934	3608723	3323171
<b>Total production</b>	1452158	1564413	1431748	1373643	1486770	1418695
<b>Estimated efficiency (% of production to input)</b>	39	39	38	40	41	43

## Statistics on electricity

### Kosovo

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	5918	5915	6348	6713	6892	6998
Combustible fuels	5738	5611	6037	6348	6453	6361
Hydro	179	273	210	263	297	260
Nuclear	..	..	..	..	..	..
Other	1	32	101	102	142	377
Main activity	5918	5915	6348	6713	6892	6998
Combustible fuels	5738	5611	6037	6348	6453	6361
Hydro	179	273	210	263	297	260
Nuclear	..	..	..	..	..	..
Other	1	32	101	102	142	377
Own use in electricity, CHP and heat plants	617	535	497	551	630	621
Net production	5301	5381	5851	6161	6262	6377
Imports	1242	825	928	966	3336	3687
Exports	880	677	905	1283	2649	3139
Losses	1317	1125	1145	945	1040	870
Consumption	4338	4398	4714	4894	5802	5713
Energy industries own use	..	..	..	..	..	..
By industry and construction	1063	980	1043	1072	1142	1110
By transport	..	..	..	..	..	..
By households and other cons.	3275	3418	3671	3822	4660	4603
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1409	1409	1417	1442	1446	1550
Combustible fuels	1288	1288	1288	1288	1288	1288
Hydro	80	80	85	110	110	110
Nuclear	..	..	..	..	..	..
Other	40	40	44	44	48	152
Main activity	1409	1409	1417	1442	1446	1550
Combustible fuels	1288	1288	1288	1288	1288	1288
Hydro	80	80	85	110	110	110
Nuclear	..	..	..	..	..	..
Other	40	40	44	44	48	152
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	55789	59501	62182	63282	64126	63055
Gas-diesel oil	72	62	87	80	86	86
Fuel oil	72	71	71	99	99	81
<b>Total input</b>	55932	59634	62340	63461	64310	63222
<b>Total production</b>	20657	20199	21732	22852	23229	22900
<b>Estimated efficiency (% of production to input)</b>	37	34	35	36	36	36

## Statistics on electricity

### Kuwait

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	73824	74157	75203	74956	80757	83529
Combustible fuels	73786	74099	75071	74743	80569	83366
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	38	58	132	213	188	163
Main activity	73824	74157	75203	74956	80757	83529
Combustible fuels	73786	74099	75071	74743	80569	83366
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	38	58	132	213	188	163
Own use in electricity, CHP and heat plants	7957	8370	8324	8600	8522	8617
Net production	65867	65787	66879	66356	72235	74912
Imports	553	202	451	451	325	130
Exports	390	535	580	135	338	172
Losses	6603	6545	6675	6667	7222	7487
Consumption	59427	58909	60075	60005	65000	67383
Energy industries own use	16292	16150	16470	16450	17820	18473
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	43135	42759	43605	43554	47180	48910
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	18767	18778	18779	20209	20236	20225
Combustible fuels	18723	18723	18723	20153	20180	20180
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	44	55	56	56	56	45
Main activity	18767	18778	18779	20209	20236	20225
Combustible fuels	18723	18723	18723	20153	20180	20180
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	44	55	56	56	56	45
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Crude oil	54019	36642	20209	153000	66636	55205
Gas-diesel oil	29953	20888	30949	26230	40972	35734
Fuel oil	252296	260576	237212	138850	241432	219938
Natural gas	403477	434116	466577	435986	451115	435056
<b>Total input</b>	739745	752223	754946	754066	800154	745933
<b>Total production</b>	265630	266756	270256	269075	290048	300118
<b>Estimated efficiency (% of production to input)</b>	36	35	36	36	36	40

## Statistics on electricity

### Kyrgyzstan

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	15514	15728	15100	15404	14815	13883
Combustible fuels	1311	1410	1256	1425	1858	1954
Hydro	14203	14318	13844	13979	12957	11929
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	15499	15689	15068	15378	14792	13860
Combustible fuels	1296	1371	1224	1399	1835	1931
Hydro	14203	14318	13844	13979	12957	11929
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	136	194	142	447	166	515
Net production	15378	15534	14958	14957	14649	13368
Imports	..	..	269	352	1683	2806
Exports	1215	755	271	302	548	550
Losses	2844	2814	2514	2745	2738	2389
Consumption	11190	11965	12442	12262	13046	13235
Energy industries own use	182	101	86	74	132	102
By industry and construction	1763	2510	2190	1411	1729	1886
By transport	46	44	31	17	23	24
By households and other cons.	9199	9310	10135	10760	11162	11223
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3869	*3869	3869	3869	3869	3869
Combustible fuels	*734	*734	734	734	734	734
Hydro	3135	*3135	3135	3135	3135	3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	3863	*3863	3863	3863	3863	3863
Combustible fuels	*728	*728	728	728	728	728
Hydro	3135	*3135	3135	3135	3135	3135
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	6120	4043	527	2039	10685	7266
Brown Coal	6462	8367	8441	9730	14390	15138
Fuel oil	566	1010	606	929	727	929
Natural gas	1697	1142	1270	1207	2368	2832
<b>Total input</b>	14845	14563	10844	13905	28170	26164
<b>Total production</b>	4720	5076	4522	5130	6689	7034
<b>Estimated efficiency (% of production to input)</b>	32	35	42	37	24	27

**Statistics on electricity**
**Lao People's Dem. Rep.**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	33227	36762	31133	*39971	*44931	51031
Combustible fuels	12441	13703	12194	*13665	*13798	12216
Hydro	20777	22999	18899	*26262	*31072	38736
Nuclear	..	..	..	..	..	..
Other	9	60	40	*45	61	79
Main activity	33227	36762	31133	*39971	*44931	51031
Combustible fuels	12441	13703	12194	*13665	*13798	12216
Hydro	20777	22999	18899	*26262	*31072	38736
Nuclear	..	..	..	..	..	..
Other	9	60	40	*45	61	79
Own use in electricity, CHP and heat plants	0	1	0	*6	15	0
Net production	33227	36761	31133	*39965	*44915	51031
Imports	500	302	1345	*1331	*1358	873
Exports	24901	27216	*22460	*29933	*33678	*38465
Losses	3861	*4431	*3424	*3196	*2911	2388
Consumption	4966	5417	6596	*8144	*9688	11068
Energy industries own use	..	..	..	..	..	..
By industry and construction	2087	2286	3099	*4291	*5988	6969
By transport	..	..	..	..	..	109
By households and other cons.	2880	3130	3496	*3853	*3700	3990
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	6931	7187	8026	10021	11667	12340
Combustible fuels	1903	1909	*1909	*2600	*2817	*2800
Hydro	5006	5256	6083	7376	8791	9481
Nuclear	..	..	..	..	..	..
Other	22	22	34	45	59	59
Main activity	6931	7187	8026	10021	11667	12340
Combustible fuels	1903	1909	*1909	*2600	*2817	*2800
Hydro	5006	5256	6083	7376	8791	9481
Nuclear	..	..	..	..	..	..
Other	22	22	34	45	59	59
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	149008	*154224	*137305	*134810	*137660	146081
Bagasse	*425	*711	*743	*900	*770	*569
<b>Total input</b>	149432	*154935	*138048	*135710	*138430	146650
<b>Total production</b>	44788	49331	43898	*49192	*49671	43976
<b>Estimated efficiency (% of production to input)</b>	30	32	32	36	36	30



## Statistics on electricity

### Latvia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	7531	6725	6438	5725	5846	4997
Combustible fuels	3000	4170	4174	2940	2990	2016
Hydro	4381	2432	2108	2603	2708	2750
Nuclear	..	..	..	..	..	..
Other	150	123	157	182	148	231
Main activity	7337	6535	6251	5543	5678	4822
Combustible fuels	2812	3984	3994	2767	2833	1884
Hydro	4377	2430	2106	2601	2706	2748
Nuclear	..	..	..	..	..	..
Other	148	121	152	175	140	189
Own use in electricity, CHP and heat plants	506	522	491	283	302	229
Net production	7025	6203	5947	5442	5544	4768
Imports	4073	5174	4611	4173	4666	5308
Exports	4137	4265	3493	2548	2894	2997
Losses	474	448	427	377	385	361
Consumption	6485	6662	6637	6689	6930	6718
Energy industries own use	..	..	..	165	191	255
By industry and construction	1763	1842	1846	1864	1946	1843
By transport	105	104	101	94	98	101
By households and other cons.	4617	4717	4690	4566	4695	4518
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2941	2915	2938	2944	2940	3017
Combustible fuels	1299	1270	1270	1274	1268	1234
Hydro	1564	1565	1587	1586	1587	1588
Nuclear	..	..	..	..	..	..
Other	78	80	81	83	84	195
Main activity	2908	2881	2904	2905	2902	2892
Combustible fuels	1268	1239	1241	1243	1239	1207
Hydro	1563	1563	1585	1585	1586	1586
Nuclear	..	..	..	..	..	..
Other	77	78	78	78	77	99
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	50	90	42	0	0	0
Peat	..	85	0	1	1	3
Biogas	3569	3291	3033	3021	2464	1994
Gas-diesel oil	6	4	3	1	0	62
Fuel oil	0	0	0	0	0	0
Liquefied petroleum gas	0	0	0	0	0	4
Other oil products	0	0	0	0	0	..
Natural gas	18586	27058	26417	17267	17629	9800
Fuelwood	*11070	*11693	*11341	*11159	*11748	*11309
Peat products	..	..	..	..	..	0
Others	..	2	..	..	..	..
<b>Total input</b>	33281	42222	40837	31448	31842	23172
<b>Total production</b>	10800	15012	15025	10584	10765	7257
<b>Estimated efficiency (% of production to input)</b>	32	36	37	34	34	31

**Statistics on electricity**
**Lebanon**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	23411	23198	23869	19772	*15879	*11419
Combustible fuels	22955	22765	22791	18797	*14958	*9462
Hydro	415	348	965	843	612	695
Nuclear	..	..	..	..	..	..
Other	41	85	112	133	309	1262
Main activity	14498	15245	14757	10473	7715	2821
Combustible fuels	14083	14897	13792	9630	7103	2126
Hydro	415	348	965	843	612	695
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	41	96	181	*250	*226	*199
Net production	23370	23102	23687	19522	*15653	*11220
Imports	534	3	3	2	1	..
Exports	..	..	..	..	..	..
Losses	*2151	*2080	*2140	1873	*1409	*1009
Consumption	*21753	*21033	21637	17650	14245	*10211
Energy industries own use	..	..	..	..	..	..
By industry and construction	*5700	*5511	*5669	*5592	*3163	*2267
By transport	..	..	..	..	..	..
By households and other cons.	*16053	*15522	15968	12059	11082	*7944
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3730	3736	3773	*3773	*4072	5022
Combustible fuels	3409	3409	3409	*3409	*3600	3864
Hydro	282	282	282	282	282	282
Nuclear	..	..	..	..	..	..
Other	39	45	82	82	190	876
Main activity	2594	2594	2594	*2594	*2785	3049
Combustible fuels	2309	2309	2309	*2309	*2500	2764
Hydro	282	282	282	282	282	282
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	..	83	415	257	..	..
Gas-diesel oil	124593	122210	*128969	*125822	*92419	*76641
Fuel oil	77415	75581	70782	51954	31755	165
<b>Total input</b>	202007	197874	*200166	*178032	*124174	*76806
<b>Total production</b>	82638	81955	82049	67670	*53849	*34064
<b>Estimated efficiency (% of production to input)</b>	41	41	41	38	43	44

## Statistics on electricity

### Lesotho

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	502	517	393	427	533	482
Combustible fuels	*1	1	1	1	1	1
Hydro	501	517	392	426	531	480
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	1
Main activity	502	517	393	427	533	482
Combustible fuels	*1	1	1	1	1	1
Hydro	501	517	392	426	531	480
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	1
Own use in electricity, CHP and heat plants	1	1	0	1	1	1
Net production	501	517	393	426	531	480
Imports	387	397	542	442	427	508
Exports	1	3	1	1	1	1
Losses	116	115	130	87	102	133
Consumption	700	807	791	673	689	854
Energy industries own use	..	..	..	..	..	..
By industry and construction	309	320	312	207	220	229
By transport	..	..	..	..	..	..
By households and other cons.	391	487	479	466	469	625
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	75	75	75	75	75	76
Combustible fuels	*1	1	1	1	1	1
Hydro	74	74	74	74	74	74
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
Main activity	75	75	75	75	75	76
Combustible fuels	*1	1	1	1	1	1
Hydro	74	74	74	74	74	74
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*4	*4	7	*7	*7	9
<b>Total input</b>	*4	*4	7	*7	*7	9
<b>Total production</b>	*2	2	2	2	3	3
<b>Estimated efficiency (% of production to input)</b>	56	55	28	27	37	32

**Statistics on electricity**
**Liberia**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*478	*405	*418	*446	*478	*468
Combustible fuels	*351	*277	*290	*318	*249	*236
Hydro	*124	*124	*124	*124	223	228
Nuclear	..	..	..	..	..	..
Other	*3	*4	*4	*4	*5	*5
Main activity	*275	*201	*214	*242	273	263
Combustible fuels	*151	*77	*90	*118	49	36
Hydro	*124	*124	*124	*124	223	228
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
Own use in electricity, CHP and heat plants	*10	*10	*10	*10	*10	*10
Net production	*468	*395	*408	*436	*468	*458
Imports	*20	*20	*20	*20	20	25
Exports	..	..	..	..	..	..
Losses	*147	*137	*144	*152	*171	*165
Consumption	*341	*278	*284	*304	*317	*318
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*341	*278	*284	*304	*317	*318
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*194	*195	*195	*185	*161	*166
Combustible fuels	*100	*100	*100	*102	*98	*103
Hydro	*92	*92	*92	80	60	60
Nuclear	..	..	..	..	..	..
Other	*2	*3	*3	*3	*3	*3
Main activity	*122	*122	*122	112	88	93
Combustible fuels	*30	*30	*30	32	28	33
Hydro	*92	*92	*92	80	60	60
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*3702	*2915	*3057	*3350	*2623	*2623
<b>Total input</b>	*3702	*2915	*3057	*3350	*2623	*2623
<b>Total production</b>	*1265	*997	*1045	*1146	*897	*848
<b>Estimated efficiency (% of production to input)</b>	34	34	34	34	34	32

## Statistics on electricity

### Libya

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	33282	34171	34629	29499	34786	35106
Combustible fuels	33274	34164	34621	29491	34776	35097
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	9	10
Main activity	33282	34171	34629	29499	34786	35106
Combustible fuels	33274	34164	34621	29491	34776	35097
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	8	8	9	10
Own use in electricity, CHP and heat plants	999	843	802	835	869	892
Net production	32283	33328	33827	28664	33917	34214
Imports	302	465	776	1259	784	719
Exports	..	..	..	..	..	..
Losses	6683	6893	6985	5950	7017	7081
Consumption	25902	26900	27618	23973	27684	27852
Energy industries own use	..	..	..	..	..	..
By industry and construction	1544	1473	1308	923	1184	1086
By transport	..	..	..	..	..	..
By households and other cons.	24359	25427	26310	23050	26500	26766
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	10243	10516	10516	*10516	*10517	*11002
Combustible fuels	10238	10511	10511	*10511	*10511	*10996
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	6	6
Main activity	10243	10516	10516	*10516	*10517	*11002
Combustible fuels	10238	10511	10511	*10511	*10511	*10996
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	6	6
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	79206	85152	87003	56459	58310	60161
Fuel oil	24278	31431	26061	21476	22636	23046
Natural gas	266448	261466	271271	252387	310490	311580
<b>Total input</b>	369932	378048	384334	330322	391437	394787
<b>Total production</b>	119786	122989	124635	106168	125195	126348
<b>Estimated efficiency (% of production to input)</b>	32	33	32	32	32	32

## Statistics on electricity

### Liechtenstein

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	93	89	103	104	107	103
Combustible fuels	2	2	2	1	2	3
Hydro	69	62	75	73	74	62
Nuclear	..	..	..	..	..	..
Other	22	25	26	30	31	39
Main activity	93	89	103	104	107	103
Combustible fuels	2	2	2	1	2	3
Hydro	69	62	75	73	74	62
Nuclear	..	..	..	..	..	..
Other	22	25	26	30	31	39
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	93	89	103	104	107	103
Imports	314	321	307	299	311	309
Exports	..	..	..	..	..	..
Losses	..	..	..	..	..	..
Consumption	407	410	410	402	418	412
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	407	410	410	402	418	412
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*24	*26	*27	*29	*29	*33
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*11
Nuclear	..	..	..	..	..	..
Other	*13	*15	*16	*18	*18	*21
Main activity	*24	*26	*27	*29	*29	*33
Combustible fuels	*1	*1	*1	*1	*1	*1
Hydro	*10	*10	*10	*10	*10	*11
Nuclear	..	..	..	..	..	..
Other	*13	*15	*16	*18	*18	*21
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	*1	*1	*1	*1	*1	*1
Natural gas	*25	*20	*21	*20	*26	*22
Fuelwood	..	..	..	..	*9	*11
<b>Total input</b>	*26	*21	*22	*21	*36	*34
<b>Total production</b>	8	7	8	5	9	9
<b>Estimated efficiency (% of production to input)</b>	32	34	34	24	24	26

## Statistics on electricity

### Lithuania

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4187	3511	3972	5518	5079	4783
Combustible fuels	1324	1089	1210	2550	2240	1845
Hydro	1181	960	948	1080	1094	1021
Nuclear	..	..	..	..	..	..
Other	1682	1462	1814	1887	1745	1918
Main activity	3361	2864	3151	4702	4382	4067
Combustible fuels	748	674	612	1941	1735	1192
Hydro	1181	960	948	1080	1094	1021
Nuclear	..	..	..	..	..	..
Other	1432	1231	1591	1681	1553	1854
Own use in electricity, CHP and heat plants	191	197	207	256	268	286
Net production	3996	3314	3765	5261	4810	4497
Imports	11926	12848	13268	12013	12479	12934
Exports	3249	3215	3924	4105	3435	4366
Losses	914	935	886	952	926	846
Consumption	11757	12010	12219	12216	12925	12216
Energy industries own use	1697	1611	1678	1861	1771	1553
By industry and construction	3635	3686	3794	3739	3928	3594
By transport	74	80	78	73	79	92
By households and other cons.	6350	6633	6670	6544	7147	6977
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3326	3354	3378	3491	3709	4301
Combustible fuels	1832	1837	1839	1885	1881	1881
Hydro	877	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	617	640	662	729	951	1543
Main activity	3046	3074	3096	3209	3428	4020
Combustible fuels	1577	1582	1582	1628	1625	1625
Hydro	877	877	877	877	877	877
Nuclear	..	..	..	..	..	..
Other	592	615	637	704	926	1518
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	0	0	0	0	0	0
Peat	0	0	0	0	0	0
Biogas	1004	1209	1264	1236	1254	1291
Gas-diesel oil	0	0	0	0	0	30
Fuel oil	634	606	263	634	404	2141
Refinery gas	282	366	198	248	391	1109
Natural gas	11180	9045	8339	15591	13629	6068
Fuelwood	*7192	*7887	*7835	*8447	*8811	*8721
Municipal waste	2443	1678	1503	2612	4764	4619
Industrial waste	181	584	665	927	1196	1180
Others	0	0	0	0	0	0
<b>Total input</b>	22916	21375	20067	29695	30449	25159
<b>Total production</b>	4766	3921	4357	9181	8063	6640
<b>Estimated efficiency (% of production to input)</b>	21	18	22	31	26	26

## Statistics on electricity

### Luxembourg

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	2235	2200	1908	2234	2211	2238
Combustible fuels	470	490	547	628	632	526
Hydro	1422	1337	949	1094	1085	1124
Nuclear	..	..	..	..	..	..
Other	343	373	412	512	495	588
Main activity	1957	1918	1623	1926	1899	1851
Combustible fuels	304	331	398	485	504	422
Hydro	1418	1332	944	1090	1080	1116
Nuclear	..	..	..	..	..	..
Other	235	255	281	351	314	312
Own use in electricity, CHP and heat plants	30	30	31	29	31	18
Net production	2205	2170	1877	2205	2180	2220
Imports	7567	7553	6818	6543	6758	7146
Exports	1389	1392	939	1079	1037	1639
Losses	156	155	156	146	154	149
Consumption	8227	8176	7600	7524	7747	7561
Energy industries own use	1834	1717	1203	1404	1354	1417
By industry and construction	3008	3175	3006	2850	2946	3106
By transport	142	151	157	149	166	188
By households and other cons.	3243	3133	3233	3121	3280	2849
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1706	1712	1775	1808	1878	1957
Combustible fuels	127	128	149	138	134	145
Hydro	1331	1330	1330	1331	1331	1330
Nuclear	..	..	..	..	..	..
Other	248	254	296	339	414	482
Main activity	1520	1527	1560	1576	1555	1581
Combustible fuels	72	76	95	95	90	87
Hydro	1329	1329	1329	1329	1329	1329
Nuclear	..	..	..	..	..	..
Other	120	123	136	153	136	165
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	447	485	483	456	524	511
Gas-diesel oil	8	4	5	4	1	1
Natural gas	3224	2769	2695	2642	2661	1998
Fuelwood	*1122	*1971	*3386	*5667	*6087	*5769
Municipal waste	1557	1552	1567	1441	1412	1380
<b>Total input</b>	6358	6780	8136	*10209	*10685	*9659
<b>Total production</b>	1692	1763	1971	2260	2274	1894
<b>Estimated efficiency (% of production to input)</b>	27	26	24	22	21	20



## Statistics on electricity

### Madagascar

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1983	2099	2178	2167	2245	2274
Combustible fuels	1177	1107	1259	1317	1441	1398
Hydro	783	968	886	818	767	822
Nuclear	..	..	..	..	..	..
Other	23	*23	32	32	36	54
Main activity	1723	1820	1892	1869	1911	1934
Combustible fuels	917	829	974	1018	1107	1058
Hydro	783	968	886	818	767	822
Nuclear	..	..	..	..	..	..
Other	23	*23	32	32	36	54
Own use in electricity, CHP and heat plants	38	*29	*43	*38	*30	*29
Net production	1945	2070	2134	2129	2215	2245
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	128	*130	*135	*132	*135	*137
Consumption	1817	*1940	1999	*1997	*2080	2108
Energy industries own use	..	..	..	..	..	..
By industry and construction	*434	*608	*533	*643	*659	*700
By transport	..	..	..	..	..	..
By households and other cons.	1383	*1332	1466	*1354	*1421	1408
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	721	708	595	*653	*699	*758
Combustible fuels	542	521	407	*465	*511	*515
Hydro	166	165	165	164	164	192
Nuclear	..	..	..	..	..	..
Other	13	22	23	24	24	51
Main activity	615	600	489	*551	*596	*653
Combustible fuels	436	413	301	*363	*408	*410
Hydro	166	165	165	164	164	192
Nuclear	..	..	..	..	..	..
Other	13	22	23	24	24	51
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	963	851	955	*1084	*1135	*1135
Gas-diesel oil	*4188	*4184	*4175	*4150	*4128	*4300
Fuel oil	5276	5361	5822	6686	*7983	*6464
Bagasse	*368	*335	*377	*402	*432	*432
<b>Total input</b>	10796	10732	11328	12321	*13679	*12332
<b>Total production</b>	4237	3987	4532	4740	5189	5033
<b>Estimated efficiency (% of production to input)</b>	39	37	40	38	38	41

## Statistics on electricity

### Malawi

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1917	1803	1937	2191	2401	2115
Combustible fuels	*54	*385	*125	324	167	193
Hydro	1824	1365	1647	1867	2194	1757
Nuclear	..	..	..	..	..	..
Other	39	53	165	0	40	165
Main activity	1863	1418	1812	2061	2271	1985
Combustible fuels	*1	*5	*5	199	42	68
Hydro	1823	1360	1642	1862	2189	1752
Nuclear	..	..	..	..	..	..
Other	39	53	165	0	40	165
Own use in electricity, CHP and heat plants	108	11	50	5	127	307
Net production	1809	1792	1887	2186	2273	1808
Imports	..	..	..	10	17	19
Exports	20	19	20	20	20	15
Losses	*279	*296	*291	381	537	343
Consumption	1575	1474	1696	1817	1795	1716
Energy industries own use	..	..	..	..	..	..
By industry and construction	757	581	823	917	796	755
By transport	..	..	..	..	..	..
By households and other cons.	818	893	873	900	999	961
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	586	593	719	747	728	*752
Combustible fuels	*211	*211	*263	*263	*263	*263
Hydro	356	356	376	403	403	*407
Nuclear	..	..	..	..	..	..
Other	19	26	80	*80	61	81
Main activity	371	378	504	532	513	*537
Combustible fuels	*1	*1	53	53	53	53
Hydro	351	351	371	398	398	*402
Nuclear	..	..	..	..	..	..
Other	19	26	80	*80	61	81
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Motor gasoline	..	..	..	22	22	22
Gas-diesel oil	*22	*4588	*1075	2004	*457	*632
Bagasse	*903	*903	*903	1682	1307	1307
<b>Total input</b>	*925	*5492	*1978	3708	1786	1962
<b>Total production</b>	*194	*1386	*450	1166	600	693
<b>Estimated efficiency (% of production to input)</b>	21	25	23	31	34	35

## Statistics on electricity

### Malaysia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	164509	170578	178440	174224	180070	187398
Combustible fuels	137599	143621	150783	144794	146849	154005
Hydro	26580	26325	26167	27295	31101	31101
Nuclear	..	..	..	..	..	..
Other	330	632	1490	2136	2120	2292
Main activity	159257	163415	171270	167466	173301	180102
Combustible fuels	132352	136517	143699	138128	140173	146808
Hydro	26575	26325	26167	27295	31101	31101
Nuclear	..	..	..	..	..	..
Other	330	573	1404	2044	2027	2193
Own use in electricity, CHP and heat plants	4588	696	6147	6010	6209	6464
Net production	159921	169882	172293	168215	173861	180934
Imports	7	20	41	18	35	31
Exports	1124	1509	1699	1572	977	1416
Losses	12288	14109	12301	12010	12413	12918
Consumption	146520	152866	158709	152131	155400	164228
Energy industries own use	..	..	..	..	..	..
By industry and construction	71417	76088	78480	74245	77409	80144
By transport	459	482	478	390	349	255
By households and other cons.	74644	76296	79752	77496	77642	83829
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	33334	34389	*34153	*35863	36985	39690
Combustible fuels	26848	26432	*26260	*27257	28168	30768
Hydro	6128	6168	6245	6275	6190	6215
Nuclear	..	..	..	..	..	..
Other	358	1790	1648	2331	2626	2707
Main activity	30892	31714	*31699	*33410	34532	37325
Combustible fuels	24410	24479	*24498	*25497	26408	29008
Hydro	6126	6168	6245	6275	6190	6215
Nuclear	..	..	..	..	..	..
Other	356	1066	956	1638	1933	2102
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	794090	857092	810193	981830	897022	939426
Biogas	1715	6146	4425	6025	5795	5835
Gas-diesel oil	15738	14448	24892	8957	11184	11184
Fuel oil	4040	687	769	486	326	326
Natural gas	540161	536208	670151	523688	505285	555000
Vegetal waste	*8196	12581	12624	9945	10886	10925
<b>Total input</b>	1363940	1427162	1523054	1530930	1430498	1522696
<b>Total production</b>	495356	517036	542820	521258	528657	554418
<b>Estimated efficiency (% of production to input)</b>	36	36	36	34	37	36

## Statistics on electricity

### Maldives

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	728	773	830	745	1195	1227
Combustible fuels	709	745	797	703	1151	1178
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	19	27	33	43	45	49
Main activity	468	493	580	535	1035	1097
Combustible fuels	449	465	547	493	991	1048
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	19	27	33	43	45	49
Own use in electricity, CHP and heat plants	*21	*21	*21	*25	*28	*32
Net production	707	752	809	720	1167	1195
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*44	*46	*50	*45	*72	*74
Consumption	*663	*706	*759	*675	*1096	*1121
Energy industries own use	..	..	..	..	..	..
By industry and construction	*37	*39	*40	*36	*58	*59
By transport	..	..	..	..	..	..
By households and other cons.	*626	*667	*719	*640	*1038	*1062
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*278	*304	410	*414	*419	*431
Combustible fuels	*266	*286	388	*386	*387	*394
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	12	18	22	28	32	37
Main activity	*153	*179	*200	*204	*209	*217
Combustible fuels	*141	*161	*178	*176	*177	*180
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	12	18	22	28	32	37
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*8109	*8790	*9086	*8389	*11640	*12068
<b>Total input</b>	*8109	*8790	*9086	*8389	*11640	*12068
<b>Total production</b>	2552	2683	2868	2529	4143	4242
<b>Estimated efficiency (% of production to input)</b>	31	31	32	30	36	35

## Statistics on electricity

### Mali

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*3096	*3289	*3535	*3728	*3969	*4209
Combustible fuels	*1935	*1991	*2137	*2191	*2381	*2296
Hydro	1130	*1267	1365	1444	*1473	1787
Nuclear	..	..	..	..	..	..
Other	31	31	33	93	115	125
Main activity	2082	*2218	2411	2595	*2806	2860
Combustible fuels	949	949	1044	1090	*1250	*1011
Hydro	1130	*1267	1365	1444	*1473	1787
Nuclear	..	..	..	..	..	..
Other	3	3	2	61	83	62
Own use in electricity, CHP and heat plants	*12	*99	*106	*112	*119	126
Net production	*3084	*3190	*3429	*3616	*3850	*4082
Imports	*117	437	604	766	402	489
Exports	*535	571	560	615	533	899
Losses	*318	*356	*370	*407	*419	*441
Consumption	*2348	2700	3103	3361	3301	3231
Energy industries own use	..	..	..	..	..	..
By industry and construction	*920	*969	*1241	*1385	*1151	*1040
By transport	..	..	..	..	..	..
By households and other cons.	*1428	1731	1862	1976	2150	2191
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1098	1098	1100	1154	1154	*1295
Combustible fuels	629	629	629	629	629	*675
Hydro	*450	*450	*450	*453	*453	*523
Nuclear	..	..	..	..	..	..
Other	19	19	21	71	71	97
Main activity	*821	*821	*821	*874	*874	*948
Combustible fuels	369	369	369	369	369	*369
Hydro	*450	*450	*450	*453	*453	*523
Nuclear	..	..	..	..	..	..
Other	2	2	2	52	52	56
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	13674	14233	11180	12556	16598	17071
Fuel oil	8040	10504	11635	9413	8484	11150
Bagasse	896	896	896	896	896	896
<b>Total input</b>	22609	25633	23711	22865	25978	29117
<b>Total production</b>	*6965	*7167	*7692	*7888	*8572	*8266
<b>Estimated efficiency (% of production to input)</b>	31	28	32	34	33	28

## Statistics on electricity

### Malta

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1652	1962	2060	2143	2215	2293
Combustible fuels	1489	1772	1864	1906	1959	2004
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	162	190	195	237	256	290
Main activity	1480	1763	1858	1900	1952	1997
Combustible fuels	1480	1763	1858	1900	1952	1997
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	49	50	59	62	55	52
Net production	1603	1912	2001	2081	2160	2242
Imports	897	631	657	420	547	646
Exports	36	11	20	4	36	7
Losses	144	143	158	128	167	185
Consumption	2320	2390	2479	2368	2505	2696
Energy industries own use	3	3	5	5	3	3
By industry and construction	459	477	470	462	490	504
By transport	0	1	2	2	6	10
By households and other cons.	1858	1909	2002	1899	2006	2180
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	706	727	750	783	800	723
Combustible fuels	595	595	595	595	595	501
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	112	132	155	188	206	223
Main activity	590	590	590	590	590	498
Combustible fuels	590	590	590	590	590	498
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	46	43	31	28	56	40
Gas-diesel oil	252	224	410	997	439	663
Fuel oil	1913	0	..	..	..	..
Natural gas	10776	13602	14216	14799	14777	15011
<b>Total input</b>	12987	13869	14657	15824	15271	15715
<b>Total production</b>	5362	6381	6712	6862	7053	7214
<b>Estimated efficiency (% of production to input)</b>	41	46	46	43	46	46

Statistics on electricity

Marshall Islands

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*89	*89	*90	*90	*82	*92
Combustible fuels	*87	*87	*88	*88	*80	*90
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	*2
Main activity	*89	*89	*90	*90	*82	*92
Combustible fuels	*87	*87	*88	*88	*80	*90
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	*2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*89	*89	*90	*90	*82	*92
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	11	11	12	*13	*13	*13
Consumption	*78	*78	*78	*77	*69	*79
Energy industries own use	..	..	..	..	..	..
By industry and construction	*5	*5	*6	*6	*6	*6
By transport	..	..	..	..	..	..
By households and other cons.	*73	*73	*72	*71	*63	*73
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*35	*35	32	*32	*32	*32
Combustible fuels	*33	*33	30	*30	*30	*30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
Main activity	*35	*35	32	*32	*32	*32
Combustible fuels	*33	*33	30	*30	*30	*30
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	2
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*834	*817	*817	*826	*826	*839
<b>Total input</b>	*834	*817	*817	*826	*826	*839
<b>Total production</b>	*313	*313	*317	*317	*288	*324
<b>Estimated efficiency (% of production to input)</b>	38	38	39	38	35	39

## Statistics on electricity

### Mauritania

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1192	1281	1477	*1461	*1364	1510
Combustible fuels	1022	1023	1216	*1178	*1080	1277
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	170	258	*261	283	*284	233
Main activity	841	925	1102	*1081	*980	1181
Combustible fuels	680	677	854	*810	*710	960
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	161	248	*248	271	*270	221
Own use in electricity, CHP and heat plants	104	105	95	72	34	37
Net production	1088	1176	1382	*1389	*1330	1473
Imports	*185	198	204	*225	*200	394
Exports	..	..	..	..	..	..
Losses	*210	*230	*217	*224	*210	*184
Consumption	1063	1143	1369	1390	1320	1682
Energy industries own use	..	..	..	..	..	..
By industry and construction	343	342	372	380	383	274
By transport	..	..	..	..	..	..
By households and other cons.	720	801	997	1010	937	1408
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*508	*571	*608	*626	*626	*626
Combustible fuels	*421	*449	*486	*504	*504	*504
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	87	122	*122	*122	*122	*122
Main activity	*421	*479	*511	*524	*524	*524
Combustible fuels	*341	*364	*396	*409	*409	*409
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	80	115	*115	*115	*115	*115
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*7310	*8815	*9370	*8905	*8011	*9718
Fuel oil	*2771	*2020	*2424	*2788	*2586	*2586
<b>Total input</b>	*10081	*10835	*11794	*11693	*10597	*12304
<b>Total production</b>	3678	3683	4376	*4239	*3889	4598
<b>Estimated efficiency (% of production to input)</b>	36	34	37	36	37	37



## Statistics on electricity

### Mauritius

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	3120	3131	3237	2883	2992	3119
Combustible fuels	2976	2943	2994	2603	2719	2821
Hydro	90	125	99	116	107	128
Nuclear	..	..	..	..	..	..
Other	54	64	144	164	167	170
Main activity	1293	1373	1482	1201	1226	1674
Combustible fuels	1201	1246	1381	1082	1114	1537
Hydro	90	125	99	116	107	128
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	5	9
Own use in electricity, CHP and heat plants	44	44	45	47	53	59
Net production	3076	3088	3192	2836	2939	3060
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	187	165	182	143	191	172
Consumption	2880	2918	3001	2683	2748	2887
Energy industries own use	..	..	..	..	..	..
By industry and construction	994	1002	991	863	898	872
By transport	..	..	..	..	5	8
By households and other cons.	1886	1916	2010	1820	1845	2007
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	835	873	844	862	863	866
Combustible fuels	732	732	681	681	684	684
Hydro	60	60	60	61	61	61
Nuclear	..	..	..	..	..	..
Other	43	81	103	120	119	122
Main activity	516	516	516	516	517	517
Combustible fuels	450	450	450	450	450	450
Hydro	60	60	60	61	61	61
Nuclear	..	..	..	..	..	..
Other	5	5	5	5	7	7
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	18871	17916	16464	16139	18046	14352
Biogas	61	81	71	89	69	*65
Gas-diesel oil	55	34	28	35	39	34
Fuel oil	9672	9991	11034	8574	8973	12358
Other kerosene	41	28	162	11	26	35
Bagasse	8324	7791	7736	6514	6161	5286
<b>Total input</b>	37025	35842	35495	31362	33313	32131
<b>Total production</b>	10714	10593	10779	9370	9787	10156
<b>Estimated efficiency (% of production to input)</b>	29	30	30	30	29	32

## Statistics on electricity

### Mexico

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	323124	357592	344839	317680	381364	343847
Combustible fuels	261726	279724	267416	245464	294525	236550
Hydro	31981	32526	23716	26817	34537	35851
Nuclear	10883	13675	11190	11262	11923	10850
Other	18534	31667	42517	34137	40379	60596
Main activity	260164	292942	284294	250943	321284	271258
Combustible fuels	209160	226758	220287	191853	248122	202246
Hydro	31040	31621	22927	26009	33754	34952
Nuclear	10883	13675	11190	11262	11923	10850
Other	9082	20888	29890	21819	27485	23210
Own use in electricity, CHP and heat plants	13205	11499	6509	5447	5772	12824
Net production	309919	346093	338330	312233	375592	331023
Imports	2151	3673	3907	9965	1737	2147
Exports	1804	2426	3084	5955	2693	2421
Losses	43915	42075	40018	36985	42047	41126
Consumption	275859	303881	284167	303740	297771	302834
Energy industries own use	3938	4185	4092	3781	2730	2839
By industry and construction	147465	168392	153433	175159	171470	177040
By transport	1077	1073	1106	945	1582	1634
By households and other cons.	123379	130231	125537	123855	121989	121321
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	74461	87456	95715	96985	106610	116228
Combustible fuels	54388	62010	63521	63521	71083	64326
Hydro	12628	12628	13076	13301	13303	12838
Nuclear	1608	1634	1721	1721	1721	1608
Other	5837	11184	17397	18442	20503	37456
Main activity	57546	75252	83839	85118	93427	97045
Combustible fuels	41616	53963	56823	56823	63452	55762
Hydro	12395	12395	12851	13076	13078	12613
Nuclear	1608	1634	1721	1721	1721	1608
Other	1927	7260	12444	13498	15176	27062
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	205979	183718	201282	137603	138298	193423
Brown Coal	133446	120895	99833	51313	57610	81082
Biogas	2265	2082	2195	2888	2437	2403
Gas-diesel oil	31820	40936	34701	34701	38657	58179
Fuel oil	306838	256823	365984	365984	374670	156025
Petroleum coke	38350	37863	37830	37830	32598	35555
Natural gas	1782417	1737265	1666240	1661626	1986838	1613079
Blast furnace gas	3470	2452	2060	2452	1420	1418
Bagasse	*76659	*76630	*73843	*69390	*55635	*57316
Industrial waste	897	1010	1067	1200	8602	285
Others	2870	*10896	*7215	*6897	117	113
<b>Total input</b>	2585012	2470569	2492249	2371884	2696881	2198878
<b>Total production</b>	942212	1007006	962698	883670	1060290	851578
<b>Estimated efficiency (% of production to input)</b>	36	41	39	37	39	39

**Statistics on electricity**
**Micronesia (Fed. States of)**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*69	*70	*77	*85	*90	*91
Combustible fuels	*65	*65	*71	*80	*86	*86
Hydro	1	1	1	1	*1	*1
Nuclear	..	..	..	..	..	..
Other	2	4	4	3	3	*4
Main activity	*69	*70	*77	*85	*90	*91
Combustible fuels	*65	*65	*71	*80	*86	*86
Hydro	1	1	1	1	*1	*1
Nuclear	..	..	..	..	..	..
Other	2	4	4	3	3	*4
Own use in electricity, CHP and heat plants	*2	*2	*3	*5	*4	*4
Net production	*67	*68	*73	*80	*86	*88
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*20	*21	*20	*20	21	*21
Consumption	*47	*47	*53	*60	*65	*67
Energy industries own use	..	..	..	..	..	..
By industry and construction	*17	*14	*12	*14	*15	*16
By transport	..	..	..	..	..	..
By households and other cons.	*31	*33	*41	*46	*50	*52
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*34	*35	*35	42	42	42
Combustible fuels	*32	*32	*32	38	38	38
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	1	3	3	3	3	3
Main activity	*34	*35	*35	42	42	42
Combustible fuels	*32	*32	*32	38	38	38
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	1	3	3	3	3	3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*830	*830	*826	*830	*820	*834
<b>Total input</b>	*830	*830	*826	*830	*820	*834
<b>Total production</b>	*235	*233	*257	*289	*308	*309
<b>Estimated efficiency (% of production to input)</b>	28	28	31	35	38	37

**Statistics on electricity**
**Mongolia**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	6027	6535	6900	6970	7825	8035
Combustible fuels	5759	6055	6416	6486	7061	7387
Hydro	86	81	*85	85	138	68
Nuclear	..	..	..	..	..	..
Other	182	399	*399	399	627	580
Main activity	5941	6454	6815	6885	7687	7967
Combustible fuels	5759	6055	6416	6486	7061	7387
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	182	399	*399	399	627	580
Own use in electricity, CHP and heat plants	816	849	861	834	887	930
Net production	5211	5686	6040	6136	6938	7105
Imports	1574	1666	1723	1685	1823	2107
Exports	26	27	24	42	24	25
Losses	811	875	892	963	1019	1091
Consumption	5949	6450	6847	6817	7755	8095
Energy industries own use	..	..	..	..	..	..
By industry and construction	3692	4003	4249	4231	4791	5024
By transport	248	268	285	284	321	337
By households and other cons.	2009	2178	2313	2302	2644	2734
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1311	*1461	*1486	*1507	*1507	*1507
Combustible fuels	1132	*1210	*1210	*1230	*1230	*1230
Hydro	29	31	31	31	31	31
Nuclear	..	..	..	..	..	..
Other	150	220	245	246	246	246
Main activity	1272	*1420	*1445	*1466	*1466	*1466
Combustible fuels	1122	*1200	*1200	*1220	*1220	*1220
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	150	220	245	246	246	246
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	51712	63440	45811	33124	53598	53601
Brown Coal	78587	79093	87952	90042	92966	100300
Gas-diesel oil	3913	4124	*4356	*4644	4803	*4816
Fuel oil	89	121	121	113	73	*101
<b>Total input</b>	134301	146777	138240	127923	151439	158818
<b>Total production</b>	20733	21799	23099	23349	25419	26592
<b>Estimated efficiency (% of production to input)</b>	15	15	17	18	17	17

## Statistics on electricity

### Montenegro

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	2483	3679	3423	3386	3781	3322
Combustible fuels	1348	1444	1506	1615	1444	1551
Hydro	1040	2092	1621	1448	2010	1444
Nuclear	..	..	..	..	..	..
Other	95	143	296	322	327	328
Main activity	2483	3679	3423	3386	3781	3322
Combustible fuels	1348	1444	1506	1615	1444	1551
Hydro	1040	2092	1621	1448	2010	1444
Nuclear	..	..	..	..	..	..
Other	95	143	296	322	327	328
Own use in electricity, CHP and heat plants	119	134	129	141	129	106
Net production	2364	3546	3294	3245	3653	3216
Imports	1537	780	1196	5943	5318	5352
Exports	417	976	943	5864	5489	5487
Losses	512	503	493	487	504	477
Consumption	2855	2847	3054	2837	2978	2604
Energy industries own use	..	..	..	..	..	..
By industry and construction	732	737	699	700	678	198
By transport	20	19	21	12	11	12
By households and other cons.	2103	2090	2335	2124	2289	2394
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	949	998	998	1042	1042	1043
Combustible fuels	225	225	225	225	225	225
Hydro	652	652	652	697	697	697
Nuclear	..	..	..	..	..	..
Other	72	120	120	121	121	121
Main activity	949	998	998	1042	1042	1043
Combustible fuels	225	225	225	225	225	225
Hydro	652	652	652	697	697	697
Nuclear	..	..	..	..	..	..
Other	72	120	120	121	121	121
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	12341	14816	15109	15766	13704	14713
<b>Total input</b>	12341	14816	15109	15766	13704	14713
<b>Total production</b>	4853	5198	5423	5815	5199	5582
<b>Estimated efficiency (% of production to input)</b>	39	35	36	37	38	38

## Statistics on electricity

### Montserrat

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	13	14	14	14	14	14
Combustible fuels	13	14	14	14	13	13
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Main activity	13	14	14	14	14	14
Combustible fuels	13	14	14	14	13	13
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	0	0
Own use in electricity, CHP and heat plants	1	1	1	1	1	1
Net production	13	13	13	13	13	13
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	1	0	0	0	0
Consumption	11	11	12	12	11	11
Energy industries own use	..	..	..	..	..	..
By industry and construction	0	0	0	0	0	0
By transport	..	..	..	..	..	..
By households and other cons.	11	11	12	12	11	11
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	5	5	6	6	6	*6
Combustible fuels	5	5	5	5	5	*5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	1	1
Main activity	5	5	6	6	6	*6
Combustible fuels	5	5	5	5	5	*5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	0	1	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*172	*186	*168	*172	*181	*146
<b>Total input</b>	*172	*186	*168	*172	*181	*146
<b>Total production</b>	48	51	51	49	47	48
<b>Estimated efficiency (% of production to input)</b>	28	27	30	28	26	33

## Statistics on electricity

### Morocco

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	33192	35822	41650	40057	42562	42723
Combustible fuels	26875	27708	32390	31353	33120	33937
Hydro	1565	1998	1654	1290	1213	679
Nuclear	..	..	..	..	..	..
Other	4752	6116	7607	7414	8229	8106
Main activity	31804	34432	40083	38396	40942	41092
Combustible fuels	26875	27708	32214	31070	32885	33673
Hydro	1565	1998	1654	1290	1213	679
Nuclear	..	..	..	..	..	..
Other	3364	4726	6216	6036	6845	6740
Own use in electricity, CHP and heat plants	60	42	41	38	44	41
Net production	33132	35779	41610	40019	42518	42682
Imports	6058	3724	526	856	688	1868
Exports	161	350	1453	624	851	471
Losses	6066	6134	6703	6771	7274	7601
Consumption	32962	33020	33979	33480	35081	36478
Energy industries own use	510	406	527	577	541	459
By industry and construction	11825	12065	12431	11680	12838	13118
By transport	368	375	386	214	312	319
By households and other cons.	20259	20175	20634	21010	21389	22581
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	12555	12785	14412	14432	*14548	*14635
Combustible fuels	9128	9151	10276	10046	*10046	*10046
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	1657	1864	2366	2616	2732	2819
Main activity	8827	9057	10684	10704	*10820	*10907
Combustible fuels	5828	5851	6976	6746	*6746	*6746
Hydro	1770	1770	1770	1770	1770	1770
Nuclear	..	..	..	..	..	..
Other	1229	1436	1938	2188	2304	2391
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	185656	214785	278225	279407	293030	296899
Gas-diesel oil	416	255	186	159	294	502
Fuel oil	34721	12420	8315	6733	14373	46111
Natural gas	44651	39792	37016	27994	27710	6184
<b>Total input</b>	265445	267252	323742	314292	335407	349696
<b>Total production</b>	96749	99749	116602	112870	119233	122175
<b>Estimated efficiency (% of production to input)</b>	36	37	36	36	36	35

**Statistics on electricity**
**Mozambique**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	17641	17140	18981	19026	18863	19559
Combustible fuels	3581	3239	4021	3253	3326	3313
Hydro	14058	13899	14930	15703	15468	16173
Nuclear	..	..	..	..	..	..
Other	2	1	31	70	69	72
Main activity	17394	16927	18759	18816	18653	19334
Combustible fuels	3335	3027	3799	3043	3116	3089
Hydro	14058	13899	14930	15703	15468	16173
Nuclear	..	..	..	..	..	..
Other	2	1	31	70	69	72
Own use in electricity, CHP and heat plants	246	234	247	264	225	233
Net production	17394	16906	18734	18762	18638	19326
Imports	8289	8327	8276	8100	8133	8259
Exports	10010	9738	10771	11511	11189	11450
Losses	2603	2663	2768	2768	2930	3380
Consumption	12346	12437	12952	12433	12578	12635
Energy industries own use	103	93	116	94	94	97
By industry and construction	10307	10416	10557	10376	10381	10210
By transport	..	..	..	..	..	..
By households and other cons.	1936	1928	2279	1964	2103	2328
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2654	2719	2789	2789	2776	2789
Combustible fuels	*435	*460	*490	*490	*490	*490
Hydro	2204	2204	2204	2204	2191	2191
Nuclear	..	..	..	..	..	..
Other	15	55	95	95	*95	108
Main activity	2604	2669	2739	2739	2726	2739
Combustible fuels	*385	*410	*440	*440	*440	*440
Hydro	2204	2204	2204	2204	2191	2191
Nuclear	..	..	..	..	..	..
Other	15	55	95	95	*95	108
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	52	47	44	52	63	355
Fuel oil	5671	2267	1250	1170	1432	1072
Natural gas	25469	25710	29940	27556	27330	31181
Bagasse	3201	3130	2944	2412	2603	2858
<b>Total input</b>	34392	31154	34178	31190	31428	35466
<b>Total production</b>	12892	11661	14476	11710	11973	11928
<b>Estimated efficiency (% of production to input)</b>	37	37	42	38	38	34



**Statistics on electricity**
**Myanmar**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	20055	22883	23778	23643	22075	21539
Combustible fuels	8864	11641	14328	15194	12350	12275
Hydro	11191	11228	9369	8370	9590	9070
Nuclear	..	..	..	..	..	..
Other	..	14	81	79	135	194
Main activity	13557	10487	9363	7222	7216	6621
Combustible fuels	3116	2862	3399	1951	971	1202
Hydro	10441	7625	5964	5271	6245	5418
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	1
Own use in electricity, CHP and heat plants	136	184	205	174	143	182
Net production	19919	22699	23573	23469	21931	21357
Imports	116	152	122	129	140	203
Exports	1393	1527	1281	1637	852	1678
Losses	2803	3405	3734	4273	4658	4232
Consumption	15839	17919	18681	19196	17273	17125
Energy industries own use	..	..	..	..	..	..
By industry and construction	2773	4581	5553	4718	5087	4871
By transport	..	..	..	..	..	..
By households and other cons.	13066	13338	13128	14477	12186	12254
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	5642	5838	7129	6830	7174	7291
Combustible fuels	2387	2536	3827	3527	3841	3848
Hydro	3255	3262	3262	3262	3262	3262
Nuclear	..	..	..	..	..	..
Other	..	40	40	41	71	181
Main activity	4288	3144	3410	3234	3236	3236
Combustible fuels	1205	993	1259	1083	1084	1084
Hydro	3083	2151	2151	2151	2151	2151
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	1	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	*6373	21934	32145	*21097	19422	19724
Crude oil	..	..	..	..	169	..
Gas-diesel oil	4597	860	1247	1591	172	86
Natural gas	126111	126322	121094	*146908	*112650	131698
<b>Total input</b>	137081	149116	154486	*169596	*132413	151508
<b>Total production</b>	31912	41908	51581	54697	44458	44188
<b>Estimated efficiency (% of production to input)</b>	23	28	33	32	34	29

## Statistics on electricity

### Namibia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1781	1437	1402	2012	1467	1180
Combustible fuels	66	21	52	65	41	20
Hydro	1593	1144	954	1505	968	781
Nuclear	..	..	..	..	..	..
Other	122	272	396	442	458	379
Main activity	1781	1437	1402	2012	1467	1180
Combustible fuels	66	21	52	65	41	20
Hydro	1593	1144	954	1505	968	781
Nuclear	..	..	..	..	..	..
Other	122	272	396	442	458	379
Own use in electricity, CHP and heat plants	159	145	123	133	116	0
Net production	1622	1292	1279	1879	1351	1180
Imports	2911	3337	3161	2785	2825	2917
Exports	100	114	119	593	382	169
Losses	*372	*338	*287	*310	*271	*522
Consumption	*4057	*4171	*4040	*3759	*3521	3235
Energy industries own use	..	..	..	..	..	..
By industry and construction	603	586	537	397	135	1356
By transport	..	..	..	..	..	..
By households and other cons.	*3454	*3585	*3503	*3362	*3386	1879
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	565	582	600	616	628	643
Combustible fuels	143	143	113	113	120	144
Hydro	347	347	347	347	351	347
Nuclear	..	..	..	..	..	..
Other	75	93	140	157	157	152
Main activity	565	582	600	616	628	643
Combustible fuels	143	143	113	113	120	144
Hydro	347	347	347	347	351	347
Nuclear	..	..	..	..	..	..
Other	75	93	140	157	157	152
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	950	302	634	806	576	325
Gas-diesel oil	5	2	104	123	14	27
<b>Total input</b>	955	304	737	929	590	352
<b>Total production</b>	238	76	187	234	148	72
<b>Estimated efficiency (% of production to input)</b>	25	25	25	25	25	20

## Statistics on electricity

### Nauru

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	35	36	36	38	*42	*44
Combustible fuels	34	35	35	36	*39	*41
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	*3	*3
Main activity	35	36	36	38	*42	*44
Combustible fuels	34	35	35	36	*39	*41
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	*3	*3
Own use in electricity, CHP and heat plants	0	1	1	2	*2	*2
Net production	34	36	35	36	*40	*42
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	9	8	4	*5	*4	*5
Consumption	26	28	30	30	*36	*37
Energy industries own use	..	..	..	..	..	..
By industry and construction	1	1	2	1	*1	*2
By transport	..	..	..	..	..	..
By households and other cons.	25	27	28	29	*35	*35
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*8	*14	*14	18	18	*19
Combustible fuels	*7	*13	*13	16	16	*16
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	2	*3
Main activity	*8	*14	*14	18	18	*19
Combustible fuels	*7	*13	*13	16	16	*16
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	2	*3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	360	344	343	344	355	*396
<b>Total input</b>	360	344	343	344	355	*396
<b>Total production</b>	121	126	126	129	*141	*146
<b>Estimated efficiency (% of production to input)</b>	34	37	37	37	40	37

## Statistics on electricity

### Nepal

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4566	4829	6134	6189	9668	10583
Combustible fuels	0	0	0	0	0	0
Hydro	4488	4754	6061	6092	9534	10536
Nuclear	..	..	..	..	..	..
Other	78	75	73	96	134	47
Main activity	4401	4666	5942	5966	9441	10583
Combustible fuels	0	0	0	0	0	0
Hydro	4398	4663	5939	5949	9388	10536
Nuclear	..	..	..	..	..	..
Other	3	3	3	17	53	47
Own use in electricity, CHP and heat plants	54	56	30	34	0	38
Net production	4512	4773	6104	6155	9668	10545
Imports	2582	2813	1729	2806	1543	1833
Exports	3	35	107	38	494	1346
Losses	1442	1149	1186	1504	1709	1693
Consumption	5646	6396	6536	7415	8935	9100
Energy industries own use	..	..	..	..	..	..
By industry and construction	2010	2422	2301	2816	3443	*3576
By transport	5	3	3	3	4	4
By households and other cons.	3631	3971	4232	4596	5488	5520
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*1181	1229	1238	1395	2207	2699
Combustible fuels	53	53	53	53	56	59
Hydro	*1081	1129	1129	1278	2082	2538
Nuclear	..	..	..	..	..	..
Other	*47	*47	*55	*64	69	101
Main activity	*1041	1065	1074	1187	1693	2153
Combustible fuels	53	53	53	53	53	53
Hydro	*981	1005	1005	1110	1604	2060
Nuclear	..	..	..	..	..	..
Other	*7	*7	*15	*24	36	39
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	1	1	1	0	0	0
<b>Total input</b>	1	1	1	0	0	0
<b>Total production</b>	0	0	0	0	0	0
<b>Estimated efficiency (% of production to input)</b>	40	40	38	37	37	0

**Statistics on electricity**
**Netherlands (Kingd. of the)**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	117168	114380	121411	123279	122093	121810
Combustible fuels	99395	95965	99973	94787	88305	78513
Hydro	61	72	74	46	88	50
Nuclear	3402	3515	3910	4087	3828	4156
Other	14309	14828	17455	24359	29872	39091
Main activity	91952	87411	92352	88753	84878	83705
Combustible fuels	77450	73595	77022	69066	61866	56005
Hydro	61	72	74	46	88	50
Nuclear	3402	3515	3910	4087	3828	4156
Other	11038	10228	11346	15554	19095	23494
Own use in electricity, CHP and heat plants	3712	3539	3546	3441	3807	3800
Net production	113456	110841	117865	119838	118286	118010
Imports	22458	26755	20403	19773	20885	18544
Exports	18952	18785	19548	22433	20632	22811
Losses	5414	5334	5059	4744	4797	4869
Consumption	111555	113710	113371	111291	111942	108938
Energy industries own use	5737	5847	5731	4940	5186	5152
By industry and construction	35818	36354	35744	35723	35359	34234
By transport	1997	2164	2349	2300	2697	3344
By households and other cons.	68003	69346	69548	68328	68700	66207
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	32898	34822	36853	42988	47851	53942
Combustible fuels	24829	24865	24185	24274	24397	24489
Hydro	37	37	37	37	38	38
Nuclear	512	512	512	512	512	512
Other	7520	9408	12119	18165	22904	28904
Main activity	23588	24123	23891	26538	28472	30628
Combustible fuels	18860	18858	18167	17770	17772	17756
Hydro	37	37	37	37	38	38
Nuclear	512	512	512	512	512	512
Other	4180	4717	5175	8219	10150	12322
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	267969	230853	155720	69325	126223	128339
Biogas	5804	5459	5386	5046	4985	5093
Refinery gas	11631	16261	17394	14452	14363	15857
Natural gas	447115	435545	512860	514786	403977	345919
Coke-oven gas	2084	2001	2073	1695	1632	1903
Blast furnace gas	23870	22803	21742	21104	22730	21649
Fuelwood	*15390	*11563	*24727	*53148	*70588	*58074
Vegetal waste	*6229	*9622	*9385	*7349	*8285	*11628
Municipal waste	73558	70915	69139	68623	72441	66528
Industrial waste	1224	1387	1459	1209	1190	1083
Others	488	486	774	362	635	510
<b>Total input</b>	855363	806895	820659	757100	727050	656582
<b>Total production</b>	357823	345474	359901	341235	317898	282647
<b>Estimated efficiency (% of production to input)</b>	42	43	44	45	44	43

**Statistics on electricity**
**New Caledonia**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	3228	3486	3334	3233	2910	3148
Combustible fuels	2794	3076	2876	2728	2256	2334
Hydro	361	317	285	305	425	539
Nuclear	..	..	..	..	..	..
Other	73	92	173	199	229	276
Main activity	1442	1409	1325	1290	1332	1419
Combustible fuels	1007	1009	886	815	731	677
Hydro	361	317	285	305	425	539
Nuclear	..	..	..	..	..	..
Other	73	84	154	170	176	204
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	3228	3486	3334	3233	2910	3148
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	68	65	61	67	66	56
Consumption	3160	3421	3273	3166	2844	3092
Energy industries own use	..	..	..	..	..	..
By industry and construction	2488	2744	2604	2506	2177	2399
By transport	..	..	..	..	..	..
By households and other cons.	672	677	669	660	667	694
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	959	974	1022	1047	1090	1170
Combustible fuels	815	809	809	809	808	848
Hydro	78	78	78	78	81	81
Nuclear	..	..	..	..	..	..
Other	66	87	135	160	201	241
Main activity	382	392	434	446	471	500
Combustible fuels	243	237	237	237	236	236
Hydro	78	78	78	78	81	81
Nuclear	..	..	..	..	..	..
Other	61	77	119	131	154	183
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	19174	19181	21250	19185	15734	18500
Gas-diesel oil	2204	3675	1790	1600	2787	3190
Fuel oil	14584	15754	14445	13096	10296	10673
Other kerosene	207	401	31	8	249	171
Other liquid biofuels	2	5	4	4	4	3
<b>Total input</b>	36171	39016	37521	33892	29069	32536
<b>Total production</b>	10058	11075	10352	9822	8121	8402
<b>Estimated efficiency (% of production to input)</b>	28	28	28	29	28	26

## Statistics on electricity

### New Zealand

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	44641	44695	45148	44531	44611	44691
Combustible fuels	9004	8029	8859	9454	9035	6714
Hydro	25173	26252	25596	24266	24232	26274
Nuclear	..	..	..	..	..	..
Other	10464	10414	10693	10812	11343	11703
Main activity	43083	43183	43511	42969	42921	43039
Combustible fuels	7648	6731	7462	8158	7657	5442
Hydro	25169	26248	25592	24262	24228	26270
Nuclear	..	..	..	..	..	..
Other	10266	10204	10457	10549	11035	11328
Own use in electricity, CHP and heat plants	1532	1442	1558	1349	1341	1215
Net production	43109	43254	43590	43182	43270	43476
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2944	2942	3001	2956	2901	3275
Consumption	39933	39968	40319	39441	39568	39038
Energy industries own use	751	695	724	663	676	481
By industry and construction	13865	13927	14105	13373	13082	13095
By transport	91	94	110	100	98	193
By households and other cons.	25226	25252	25381	25305	25712	25269
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	9436	9483	9515	9683	9953	10112
Combustible fuels	2239	2242	2242	2346	2346	2112
Hydro	5435	5435	5443	5443	5443	5680
Nuclear	..	..	..	..	..	..
Other	1762	1806	1830	1894	2164	2320
Main activity	9083	9110	9118	9262	9485	9576
Combustible fuels	1984	1987	1987	2097	2097	1863
Hydro	5432	5432	5440	5440	5440	5677
Nuclear	..	..	..	..	..	..
Other	1667	1691	1691	1725	1948	2036
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	5591	9124	16623	18179	23815	7260
Biogas	3054	3021	3076	3130	3066	3074
Gas-diesel oil	62	126	41	1434	307	87
Natural gas	59596	49204	49591	53811	42909	41941
Coke-oven gas	1966	1941	2626	2454	2595	2326
Blast furnace gas	5665	5314	5492	4888	5593	5083
Fuelwood	4367	4536	3928	3943	3987	4881
Black liquor	13529	13395	13394	13310	12992	..
<b>Total input</b>	93830	86661	94771	101150	95265	64653
<b>Total production</b>	32416	28904	31891	34034	32527	24170
<b>Estimated efficiency (% of production to input)</b>	35	33	34	34	34	37

**Statistics on electricity**
**Nicaragua**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4525	4636	4576	3791	4213	4369
Combustible fuels	2657	2599	2815	1873	2197	2444
Hydro	468	411	227	574	599	650
Nuclear	..	..	..	..	..	..
Other	1400	1626	1534	1343	1417	1275
Main activity	3814	3901	3686	3013	3271	3427
Combustible fuels	1946	1864	1927	1098	1259	1506
Hydro	468	411	227	574	599	650
Nuclear	..	..	..	..	..	..
Other	1400	1626	1533	1340	1414	1272
Own use in electricity, CHP and heat plants	407	403	479	418	471	525
Net production	4118	4233	4096	3373	3742	3844
Imports	327	201	434	1071	1005	1062
Exports	1	0	0	0	0	..
Losses	996	978	1089	1046	1110	839
Consumption	3451	3594	3769	3653	3879	3903
Energy industries own use	..	..	..	..	..	..
By industry and construction	1147	1069	1092	1042	1194	1195
By transport	..	..	..	..	..	..
By households and other cons.	2304	2525	2677	2611	2684	2709
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1482	1482	1620	1620	1615	1628
Combustible fuels	985	985	1107	1107	1101	1101
Hydro	142	142	157	157	159	159
Nuclear	..	..	..	..	..	..
Other	355	355	356	356	356	368
Main activity	1305	1305	1401	1401	1396	1409
Combustible fuels	809	809	888	888	883	883
Hydro	142	142	157	157	158	158
Nuclear	..	..	..	..	..	..
Other	355	355	356	356	356	368
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	..	..	75	71	92	88
Gas-diesel oil	602	516	509	328	495	1718
Fuel oil	17210	16483	17392	10454	11607	11643
Bagasse	*16153	*15717	*16287	*14177	*15022	*20291
Vegetal waste	0	*348	*272	*306	381	*515
<b>Total input</b>	33965	33064	34535	*25336	*27597	*34255
<b>Total production</b>	9565	9356	10133	6745	7910	8799
<b>Estimated efficiency (% of production to input)</b>	28	28	29	27	29	26



**Statistics on electricity**
**Niger**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	566	480	626	635	*658	*669
Combustible fuels	552	447	593	610	*612	*644
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	15	33	33	24	*46	24
Main activity	541	437	535	477	*562	*552
Combustible fuels	541	437	535	465	*550	*541
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	12	12	11
Own use in electricity, CHP and heat plants	32	38	*62	59	*48	*42
Net production	534	442	564	575	*610	*627
Imports	845	1253	1057	1108	1122	1164
Exports	0	0	..	..	..	..
Losses	*218	*238	313	330	*314	*325
Consumption	*1162	*1457	1307	1410	1417	1465
Energy industries own use	*80	*78	*68	113	*49	*69
By industry and construction	*285	*387	219	207	194	163
By transport	..	..	..	..	..	..
By households and other cons.	*797	*992	1020	1090	1174	1233
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	290	311	*324	*324	*325	*347
Combustible fuels	281	291	*297	*297	*297	*297
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	20	27	27	*27	50
Main activity	228	238	*244	*244	*244	*244
Combustible fuels	228	238	*244	*244	*244	*244
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	3552	3414	3214	3784	877	3382
Gas-diesel oil	*2365	*2064	2322	2468	*2580	*1720
Fuel oil	..	..	687	*545	*638	*485
Liquefied petroleum gas	*520	*572	907	*992	534	*605
Other oil products	764	764	..	..	..	..
Natural gas	..	..	1444	1586	*2365	*1975
<b>Total input</b>	7202	6814	8573	9376	*6995	*8167
<b>Total production</b>	1986	1610	2136	2197	*2203	*2320
<b>Estimated efficiency (% of production to input)</b>	28	24	25	23	31	28

**Statistics on electricity**
**Nigeria**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	32221	33384	33110	35059	36038	37916
Combustible fuels	24443	25657	24633	27324	28046	28611
Hydro	7747	7695	8433	7690	7943	9204
Nuclear	..	..	..	..	..	..
Other	31	31	44	45	49	101
Main activity	26691	27589	27511	28886	29698	16297
Combustible fuels	19102	20051	19250	21353	21917	7280
Hydro	7589	7538	8261	7533	7781	9017
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	926	959	952	1007	1033	1022
Net production	31295	32424	32159	34052	35005	36894
Imports	..	..	..	..	..	..
Exports	2462	3003	2327	2433	2433	2317
Losses	4833	5007	4966	5258	5406	5340
Consumption	26167	26798	27404	27866	28526	32410
Energy industries own use	236	229	242	239	191	165
By industry and construction	3817	3897	3927	3819	3946	7269
By transport	..	..	..	..	..	..
By households and other cons.	22114	22673	23235	23809	24389	24976
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*12275	*12321	11730	12108	13370	*13417
Combustible fuels	*10142	*10142	9539	9862	11103	*11121
Hydro	*2111	2151	2151	2191	2191	2191
Nuclear	..	..	..	..	..	..
Other	22	28	40	56	76	105
Main activity	*9033	*9073	8470	8833	9922	*9922
Combustible fuels	*6962	*6962	6359	6682	7771	*7771
Hydro	*2071	2111	2111	2151	2151	2151
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Natural gas	244700	268629	254826	282666	290131	296362
<b>Total input</b>	244700	268629	254826	282666	290131	296362
<b>Total production</b>	87996	92366	88679	98368	100965	103000
<b>Estimated efficiency (% of production to input)</b>	36	34	35	35	35	35

## Statistics on electricity

### Niue

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*3	*4	*4	*4	*4	*4
Combustible fuels	*3	*3	*3	*3	*3	*4
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*3	*4	*4	*4	*4	*4
Combustible fuels	*3	*3	*3	*3	*3	*4
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	*4	*4	*4	*4	*4
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	0	*1	0	0	0
Consumption	*3	*3	*3	*3	*3	*4
Energy industries own use	..	..	..	..	..	..
By industry and construction	*1	*1	*1	*1	*1	*1
By transport	..	..	..	..	..	..
By households and other cons.	*2	*3	*3	*3	*3	*3
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*2	*2	*3	*3	*3	*3
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	*1	*1	*1
Main activity	*2	*2	*3	*3	*3	*3
Combustible fuels	*2	*2	*2	*2	*2	*2
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	*1	*1	*1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*33	*34	*34	*34	*34	*36
<b>Total input</b>	*33	*34	*34	*34	*34	*36
<b>Total production</b>	*12	*12	*12	*12	*12	*13
<b>Estimated efficiency (% of production to input)</b>	36	36	36	36	36	35

## Statistics on electricity

### North Macedonia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	5600	5607	5870	5347	5532	5933
Combustible fuels	4356	3696	4581	3929	3926	4389
Hydro	1110	1791	1164	1277	1452	1345
Nuclear	..	..	..	..	..	..
Other	134	120	125	141	154	200
Main activity	5600	5607	5870	5347	5532	5933
Combustible fuels	4356	3696	4581	3929	3926	4389
Hydro	1110	1791	1164	1277	1452	1345
Nuclear	..	..	..	..	..	..
Other	134	120	125	141	154	200
Own use in electricity, CHP and heat plants	387	324	369	314	304	383
Net production	5213	5283	5501	5033	5228	5551
Imports	2294	2297	6882	6734	7407	7074
Exports	311	377	5054	4408	4930	5662
Losses	1004	995	979	1027	1041	972
Consumption	6192	6208	6350	6333	6665	5991
Energy industries own use	90	102	109	108	100	101
By industry and construction	1472	1560	1620	1642	1715	1412
By transport	14	12	14	13	14	12
By households and other cons.	4616	4534	4606	4570	4835	4466
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1836	1839	1851	1868	2093	2196
Combustible fuels	1111	1111	1112	1112	1322	1322
Hydro	671	674	678	687	689	693
Nuclear	..	..	..	..	..	..
Other	54	54	61	69	82	181
Main activity	1836	1839	1851	1868	2093	2196
Combustible fuels	1111	1111	1112	1112	1322	1322
Hydro	671	674	678	687	689	693
Nuclear	..	..	..	..	..	..
Other	54	54	61	69	82	181
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	38362	32774	39673	35350	25034	34740
Biogas	742	778	793	825	775	740
Fuel oil	986	548	690	1084	1544	6128
Natural gas	6501	6558	8034	9668	12928	8342
<b>Total input</b>	46591	40658	49190	46926	40280	49950
<b>Total production</b>	15680	13304	16492	14144	14132	15799
<b>Estimated efficiency (% of production to input)</b>	34	33	34	30	35	32

Statistics on electricity

Northern Mariana Islands

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*380	*390	*392	*293	*305	*308
Combustible fuels	*380	*390	*392	*290	*300	*303
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*3	*5	*5
Main activity	*380	*390	*392	*293	*305	*308
Combustible fuels	*380	*390	*392	*290	*300	*303
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*3	*5	*5
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*380	*390	*392	*293	*305	*308
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*85	*86	*86	*63	*66	*63
Consumption	*295	*304	*306	*230	*239	*245
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*295	*304	*306	*230	*239	*245
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*63	*63	*63	*65	68	68
Combustible fuels	*63	*63	*63	*63	63	63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*2	*5	5
Main activity	*63	*63	*63	*65	68	68
Combustible fuels	*63	*63	*63	*63	63	63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	*2	*5	5
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*3800	*3900	*3920	*2900	*3000	*3030
<b>Total input</b>	*3800	*3900	*3920	*2900	*3000	*3030
<b>Total production</b>	*1368	*1404	*1411	*1044	*1080	*1091
<b>Estimated efficiency (% of production to input)</b>	36	36	36	36	36	36

## Statistics on electricity

### Norway

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	149480	147097	134907	155196	157922	146731
Combustible fuels	3190	3169	3011	2441	1292	1918
Hydro	143112	139714	126030	142471	144368	129366
Nuclear	..	..	..	..	..	..
Other	3178	4214	5866	10284	12262	15447
Main activity	146635	144175	132185	153018	156739	144769
Combustible fuels	669	584	631	635	600	593
Hydro	143112	139714	126030	142471	144368	129366
Nuclear	..	..	..	..	..	..
Other	2854	3877	5525	9913	11770	14810
Own use in electricity, CHP and heat plants	717	751	831	946	719	654
Net production	148763	146346	134076	154249	157203	146077
Imports	6111	8340	12353	4496	8235	13271
Exports	21276	18489	12309	24968	25819	25792
Losses	7629	7564	6996	6351	7022	6658
Consumption	124956	127686	126269	126497	131587	126182
Energy industries own use	9904	10620	10062	10307	9361	11127
By industry and construction	46163	46757	46320	46841	49093	47995
By transport	1049	1207	1424	1767	2228	2914
By households and other cons.	67841	69102	68464	67582	70905	64146
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	34228	35416	36940	38880	40269	40479
Combustible fuels	1074	1073	1074	959	889	739
Hydro	31912	32530	32797	33732	34075	34269
Nuclear	..	..	..	..	..	..
Other	1242	1813	3069	4189	5306	5471
Main activity	33689	34796	36268	38199	39652	39701
Combustible fuels	535	521	522	402	439	289
Hydro	31912	32530	32797	33732	34075	34269
Nuclear	..	..	..	..	..	..
Other	1242	1745	2949	4065	5138	5143
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	815	865	853	819	762	837
Biogas	159	130	134	57	17	12
Gas-diesel oil	235	232	171	174	150	77
Liquefied petroleum gas	0	12	12	10	39	22
Refinery gas	5544	4507	3752	1639	5206	2337
Natural gas	14827	15198	13988	10588	4067	7767
Blast furnace gas	1255	1247	1251	867	1019	1194
Fuelwood	1536	*1550	*1847	*1750	*2383	*2452
Municipal waste	8576	8861	9158	8867	8049	8117
Other liquid biofuels	14	8	7	4	32	21
Others	..	..	..	..	1	3
<b>Total input</b>	32960	32609	31173	24775	21725	22839
<b>Total production</b>	11484	11410	10840	8787	4651	6903
<b>Estimated efficiency (% of production to input)</b>	35	35	35	35	21	30

## Statistics on electricity

### Oman

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	36130	37718	37550	38449	41122	41374
Combustible fuels	36114	37702	37534	38322	40992	41239
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	16	16	17	128	*130	*135
Main activity	36130	37718	37550	38449	41122	41374
Combustible fuels	36114	37702	37534	38322	40992	41239
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	16	16	17	128	*130	*135
Own use in electricity, CHP and heat plants	459	497	33	1590	1608	1011
Net production	35670	37221	37517	36860	39514	40363
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3321	3674	3721	3742	3853	3835
Consumption	32349	33547	33796	33169	35661	36527
Energy industries own use	..	..	..	..	..	..
By industry and construction	5021	5169	5092	4975	6282	6094
By transport	..	..	..	..	..	..
By households and other cons.	27328	28379	28704	28194	29379	30433
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	8228	8450	11567	11960	11920	11571
Combustible fuels	8220	8442	11508	11798	11733	10867
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	59	162	187	704
Main activity	8228	8450	11567	11960	11920	11571
Combustible fuels	8220	8442	11508	11798	11733	10867
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	8	59	162	187	704
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	10606	11542	12308	12308	*12900	*13115
Natural gas	314281	316552	286348	277564	300178	295890
<b>Total input</b>	324887	328094	298657	289872	313078	309005
<b>Total production</b>	130011	135728	135121	137957	147572	148460
<b>Estimated efficiency (% of production to input)</b>	40	41	45	48	47	48

**Statistics on electricity**
**Pakistan**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	134982	136461	134818	144049	144435	127875
Combustible fuels	94566	90588	82533	90212	86550	63567
Hydro	27729	32789	38802	38936	35069	35273
Nuclear	9849	9134	9861	11090	17045	23857
Other	2838	3950	3622	3811	5771	5178
Main activity	131999	133481	132384	142511	141369	126948
Combustible fuels	91583	87608	80099	88674	83484	62640
Hydro	27729	32789	38802	38936	35069	35273
Nuclear	9849	9134	9861	11090	17045	23857
Other	2838	3950	3622	3811	5771	5178
Own use in electricity, CHP and heat plants	11542	5790	4253	6889	5714	3803
Net production	123440	130671	130565	137160	138721	124072
Imports	433	297	499	514	498	504
Exports	..	..	..	..	..	..
Losses	20615	16765	17389	22986	*20521	18631
Consumption	103273	109459	113546	114687	118698	106340
Energy industries own use	..	..	..	..	..	..
By industry and construction	27398	28760	29834	28545	29001	27178
By transport	..	..	..	..	..	..
By households and other cons.	75875	80699	83712	86141	89698	79162
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	34972	37847	39885	40606	42166	40707
Combustible fuels	24794	24913	26800	27127	26316	24784
Hydro	7270	9757	9858	9912	10733	10756
Nuclear	1430	1430	1430	1770	*2870	*2870
Other	1478	1747	1797	1797	2247	2297
Main activity	34012	36830	38861	39629	41438	40075
Combustible fuels	23834	23896	25776	26150	25588	24152
Hydro	7270	9757	9858	9912	10733	10756
Nuclear	1430	1430	1430	1770	*2870	*2870
Other	1478	1747	1797	1797	2247	2297
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	115611	153818	280729	237867	333149	351257
Gas-diesel oil	7955	1118	1118	4231	10578	10304
Fuel oil	*249591	*111948	*113039	*93332	*149682	122906
Natural gas	*548796	*544249	*457492	*436277	*432333	311148
Bagasse	*24480	*23208	*13464	*17064	*19776	*20155
<b>Total input</b>	*946433	*834341	*865842	*788771	*945518	815770
<b>Total production</b>	340438	326117	297119	324763	311580	228841
<b>Estimated efficiency (% of production to input)</b>	36	39	34	41	33	28



## Statistics on electricity

### Palau

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*98	*96	95	*96	97	*97
Combustible fuels	*94	*92	91	*92	93	*93
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*4	*4	*4	4	*4
Main activity	*90	*86	83	*84	85	*85
Combustible fuels	*86	*82	79	*80	81	*81
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*4	*4	*4	*4	4	*4
Own use in electricity, CHP and heat plants	*5	*5	*5	*5	*5	*5
Net production	*93	*91	90	*91	92	*92
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*9	*5	*5	*5	*5	*5
Consumption	*84	*86	*85	*86	*87	*87
Energy industries own use	..	..	..	..	..	..
By industry and construction	*6	*6	*6	*6	*6	*6
By transport	..	..	..	..	..	..
By households and other cons.	*78	*80	*79	*80	*81	*81
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*40	*40	*41	*41	*41	*41
Combustible fuels	*39	*39	*39	*39	*39	*39
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	3	*3	*3	*3
Main activity	*38	*38	*39	*39	*39	*39
Combustible fuels	*37	*37	*37	*37	*37	*37
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	2	3	*3	*3	*3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*976	*961	*939	*946	*968	*989
<b>Total input</b>	*976	*961	*939	*946	*968	*989
<b>Total production</b>	*338	*330	326	*331	335	*335
<b>Estimated efficiency (% of production to input)</b>	35	34	35	35	35	34

## Statistics on electricity

### Panama

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	11183	11625	13667	13394	14289	14166
Combustible fuels	3148	2716	7423	4963	4522	4743
Hydro	7388	8065	5196	7502	8625	8116
Nuclear	..	..	..	..	..	..
Other	647	844	1048	930	1142	1306
Main activity	11019	11189	11642	10936	11670	11516
Combustible fuels	3118	2513	5527	2685	2213	2396
Hydro	7254	7855	5096	7349	8342	7838
Nuclear	..	..	..	..	..	..
Other	647	821	1019	901	1115	1282
Own use in electricity, CHP and heat plants	338	580	1031	847	630	98
Net production	10845	11046	12635	12547	13660	14068
Imports	7	13	77	117	63	235
Exports	318	326	427	567	502	392
Losses	1448	1404	1199	1165	1152	879
Consumption	9104	9390	12352	12903	14409	14880
Energy industries own use	9	8	8	7	7	6
By industry and construction	651	660	1885	2293	2802	2589
By transport	41	41	54	70	80	82
By households and other cons.	8403	8681	10406	10533	11521	12204
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3484	4179	4140	4165	4108	4207
Combustible fuels	1292	1941	1851	1860	1575	1603
Hydro	1780	1779	1821	1822	1822	1821
Nuclear	..	..	..	..	..	..
Other	413	459	468	483	711	783
Main activity	3366	3795	3756	3771	3680	3740
Combustible fuels	1233	1617	1527	1527	1208	1207
Hydro	1720	1719	1761	1761	1761	1761
Nuclear	..	..	..	..	..	..
Other	413	459	468	483	711	773
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	2252	4863	23137	24894	23906	23896
Gas-diesel oil	2709	877	925	464	1049	2838
Fuel oil	12847	6343	7191	1656	2222	4808
Natural gas	..	10878	33835	18243	21785	10298
Bagasse	2168	3402	2573	2785	2682	2699
Municipal waste	*147	*270	*302	*447	*331	*326
<b>Total input</b>	20123	26633	67963	48491	51975	44864
<b>Total production</b>	11334	9779	26721	17865	16280	17076
<b>Estimated efficiency (% of production to input)</b>	56	37	39	37	31	38

Statistics on electricity

Papua New Guinea

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*4073	*4037	*4299	*4169	*4446	*4447
Combustible fuels	*2896	*3079	*3104	*3096	*3344	*3515
Hydro	1018	830	1095	972	1000	*830
Nuclear	..	..	..	..	..	..
Other	159	128	100	101	101	102
Main activity	1291	1376	1642	1434	1544	*1442
Combustible fuels	622	753	752	763	844	*815
Hydro	667	621	886	667	694	*621
Nuclear	..	..	..	..	..	..
Other	2	2	4	5	5	6
Own use in electricity, CHP and heat plants	*1	*1	*1	0	0	0
Net production	*4072	*4036	*4298	*4168	*4445	*4446
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	372	384	372	361	361	*361
Consumption	3700	3652	3930	3944	3972	*3986
Energy industries own use	..	..	..	..	..	..
By industry and construction	2778	2778	3056	2778	2778	*2778
By transport	..	..	..	..	..	..
By households and other cons.	*922	*874	*875	1167	1194	*1208
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*971	*1102	*1265	1058	1058	1061
Combustible fuels	*656	*750	*919	748	748	748
Hydro	*258	295	295	258	258	261
Nuclear	..	..	..	..	..	..
Other	57	57	51	51	51	52
Main activity	*369	*501	*670	565	565	568
Combustible fuels	*206	*300	*469	382	382	382
Hydro	*162	200	200	181	181	184
Nuclear	..	..	..	..	..	..
Other	1	1	1	*1	*1	*2
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	*290	*300	*270	*275	*285	*285
Gas-diesel oil	4194	6824	6155	6500	6400	*6600
Fuel oil	20179	27047	24535	20000	21000	*21071
Natural gas	9676	7443	6885	11222	*11333	*11504
Bagasse	*62	*62	*62	*62	*62	*62
<b>Total input</b>	34402	41676	37906	38059	39080	*39522
<b>Total production</b>	*10427	*11083	*11173	*11145	*12039	*12654
<b>Estimated efficiency (% of production to input)</b>	30	27	29	29	31	32

**Statistics on electricity**
**Paraguay**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	59685	59212	49448	46373	40576	43881
Combustible fuels	2	2	2	2	2	1
Hydro	59684	59211	49446	46371	40574	43880
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	59685	59212	49448	46373	40576	43881
Combustible fuels	2	2	2	2	2	1
Hydro	59684	59211	49446	46371	40574	43880
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	495	483	390	422	280	300
Net production	59190	58730	49058	45951	40297	43581
Imports	..	..	..	..	..	..
Exports	43635	42205	31748	28005	21719	23995
Losses	4000	4021	4470	4227	4871	5193
Consumption	11555	12504	12840	13719	13706	14433
Energy industries own use	..	..	..	..	..	..
By industry and construction	2348	2436	2391	2379	2451	2461
By transport	..	..	..	..	..	..
By households and other cons.	9207	10068	10449	11340	11255	11972
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	8761	8761	8761	8761	8761	8761
Combustible fuels	1	1	1	1	1	1
Hydro	8760	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	8761	8761	8761	8761	8761	8761
Combustible fuels	1	1	1	1	1	1
Hydro	8760	8760	8760	8760	8760	8760
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	20	21	24	22	22	15
<b>Total input</b>	20	21	24	22	22	15
<b>Total production</b>	5	6	7	7	7	5
<b>Estimated efficiency (% of production to input)</b>	27	27	31	31	33	31

## Statistics on electricity

### Peru

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	52743	54982	57038	52803	56833	59772
Combustible fuels	22265	21946	23088	19624	22261	27216
Hydro	29075	30737	31462	30510	31890	29744
Nuclear	..	..	..	..	..	..
Other	1403	2299	2488	2670	2683	2812
Main activity	50345	52368	54464	50673	54485	57814
Combustible fuels	20591	20125	21261	18169	20593	25897
Hydro	28393	29989	30769	29895	31268	29164
Nuclear	..	..	..	..	..	..
Other	1361	2253	2434	2608	2623	2753
Own use in electricity, CHP and heat plants	752	743	856	780	661	948
Net production	51991	54239	56182	52024	56172	58824
Imports	17	21	60	37	43	32
Exports	0	..	..	..	..	..
Losses	5543	5969	6411	6414	6634	6637
Consumption	46465	48292	49831	45647	49490	52146
Energy industries own use	..	..	..	..	..	..
By industry and construction	26716	27832	28695	25596	27751	30658
By transport	53	60	75	77	83	1064
By households and other cons.	19696	20401	21061	19974	21656	20423
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	14775	15214	15162	15229	15382	15805
Combustible fuels	9005	9154	9062	9072	9131	9420
Hydro	5246	5363	5397	5417	5514	5514
Nuclear	..	..	..	..	..	..
Other	524	697	703	740	738	871
Main activity	13239	13651	13650	13790	13861	14248
Combustible fuels	7639	7762	7723	7807	7782	8039
Hydro	5116	5232	5266	5286	5384	5384
Nuclear	..	..	..	..	..	..
Other	484	657	661	698	696	826
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	9015	4735	5662	5075	4623	4121
Biogas	391	484	576	504	572	667
Gas-diesel oil	15232	7825	6861	1977	1515	4351
Fuel oil	5828	5821	5824	3406	3434	3343
Natural gas	165558	168231	177697	150433	197874	231489
Bagasse	17599	13390	14490	14183	*14209	15207
Biodiesel	762	391	343	96	110	*110
<b>Total input</b>	214384	200877	211453	175672	222337	259288
<b>Total production</b>	80154	79005	83119	70645	80139	97977
<b>Estimated efficiency (% of production to input)</b>	37	39	39	40	36	38

## Statistics on electricity

### Philippines

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	94387	99782	106057	101773	106131	111533
Combustible fuels	72194	77544	85036	81408	84173	88154
Hydro	9628	9401	8043	7209	9202	10102
Nuclear	..	..	..	..	..	..
Other	12565	12837	12979	13156	12756	13277
Main activity	93378	98682	105025	100513	104684	110218
Combustible fuels	71202	76461	84021	80166	82743	86856
Hydro	9611	9384	8026	7192	9185	10085
Nuclear	..	..	..	..	..	..
Other	12565	12837	12979	13156	12756	13277
Own use in electricity, CHP and heat plants	8295	8148	8874	8788	8746	9507
Net production	86092	91634	97184	92985	97386	102026
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	8262	9007	9994	9742	9969	10693
Consumption	77794	82618	87118	83243	88636	91333
Energy industries own use	..	..	..	..	..	..
By industry and construction	25574	27587	28194	25566	27623	28844
By transport	112	105	106	76	108	118
By households and other cons.	52108	54925	58818	57601	60905	62371
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	23341	24464	26187	26899	24639	28259
Combustible fuels	16470	17480	19135	19713	17893	20605
Hydro	3643	3717	3776	3795	3532	3745
Nuclear	..	..	..	..	..	..
Other	3228	3267	3276	3390	3214	3909
Main activity	22728	23815	25531	26250	23990	27632
Combustible fuels	15873	16847	18495	19080	17260	19994
Hydro	3627	3701	3760	3779	3516	3729
Nuclear	..	..	..	..	..	..
Other	3228	3267	3276	3390	3214	3909
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	514939	575508	632054	657530	701340	717166
Gas-diesel oil	17402	16473	17931	12780	9576	27232
Fuel oil	24284	15013	16148	9223	7825	8751
Natural gas	146138	157703	161726	145863	128016	119962
Bagasse	13825	15094	14144	17311	16077	18084
Municipal waste	527	543	634	467	274	609
Biodiesel	307	321	346	226	391	548
<b>Total input</b>	717423	780654	842984	843401	863499	892353
<b>Total production</b>	259899	279158	306131	293069	303024	317355
<b>Estimated efficiency (% of production to input)</b>	36	36	36	35	35	36

## Statistics on electricity

### Poland

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	170465	170039	163989	158043	179631	179748
Combustible fuels	152295	154428	145269	137254	156279	148579
Hydro	3034	2387	2665	2937	3101	3018
Nuclear	..	..	..	..	..	..
Other	15136	13224	16055	17852	20252	28151
Main activity	158554	155193	146774	139247	160634	157454
Combustible fuels	140614	140010	129006	120513	141302	134657
Hydro	3030	2384	2662	2934	3099	3017
Nuclear	..	..	..	..	..	..
Other	14909	12799	15107	15800	16234	19780
Own use in electricity, CHP and heat plants	15596	14780	12626	11892	12830	12656
Net production	154869	155260	151363	146151	166801	167092
Imports	13271	13816	17868	20624	15100	15238
Exports	10984	8121	7245	7357	14212	16915
Losses	9996	8894	8951	9995	9250	8811
Consumption	147159	152059	153034	149421	158437	156602
Energy industries own use	11372	11591	12623	12101	14750	15131
By industry and construction	54543	56424	56675	55272	56307	53184
By transport	3326	3469	3413	3174	3392	3502
By households and other cons.	77918	80574	80322	78875	83988	84785
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	42850	43046	43440	49368	52834	55819
Combustible fuels	34412	34314	33638	36715	36053	33092
Hydro	2390	2391	2397	2400	2398	2407
Nuclear	..	..	..	..	..	..
Other	6048	6340	7405	10254	14383	20321
Main activity	40077	39377	38760	42336	42302	40337
Combustible fuels	31929	31220	30526	33638	32937	29780
Hydro	2390	2391	2397	2399	2397	2406
Nuclear	..	..	..	..	..	..
Other	5758	5766	5838	6298	6967	8150
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	953273	944114	875581	788395	926272	872891
Brown Coal	503717	483381	395678	368363	433426	442510
Biogas	8216	8582	8623	9597	9655	10246
Fuel oil	14890	12711	12489	13487	14571	16923
Natural gas	83638	102753	117539	135750	131214	96168
Coke-oven gas	22961	23502	22651	18713	22250	19369
Blast furnace gas	15884	16215	13887	11370	11756	11235
Fuelwood	*5482	*6820	*6683	*5333	*24336	*31126
Vegetal waste	*48172	*48202	*60495	*68433	*43429	*31368
Municipal waste	6497	8918	11039	12170	12037	12891
Others	3904	5168	4612	4961	4856	5079
<b>Total input</b>	1666633	1660366	1529276	1436573	1633800	1549805
<b>Total production</b>	548263	555940	522968	494115	562603	534885
<b>Estimated efficiency (% of production to input)</b>	33	33	34	34	34	35

## Statistics on electricity

### Portugal

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	59432	59636	53154	53078	50980	48808
Combustible fuels	38344	32155	27687	25214	21894	23011
Hydro	7632	13628	10243	13633	13455	8839
Nuclear	..	..	..	..	..	..
Other	13456	13853	15225	14231	15631	16958
Main activity	50996	51312	44477	44201	42485	41133
Combustible fuels	30392	24341	19689	17319	14461	16822
Hydro	7621	13610	10225	13615	13440	8829
Nuclear	..	..	..	..	..	..
Other	12983	13362	14563	13267	14584	15482
Own use in electricity, CHP and heat plants	1763	1439	969	800	617	647
Net production	57669	58197	52185	52278	50362	48161
Imports	5506	5668	8099	7553	9544	12315
Exports	8190	8325	4700	6097	4791	3061
Losses	5101	5060	4948	4501	4942	5000
Consumption	49884	50480	50637	49166	50100	52414
Energy industries own use	3243	2521	2758	2912	2779	3750
By industry and construction	16143	16397	16696	16067	16629	17014
By transport	485	491	494	430	472	498
By households and other cons.	30013	31071	30690	29757	30220	31152
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	20968	21233	21665	21783	21596	23020
Combustible fuels	7975	8080	8160	8163	6987	6186
Hydro	7226	7236	7262	7241	7255	8189
Nuclear	..	..	..	..	..	..
Other	5768	5917	6243	6379	7355	8645
Main activity	18866	18972	19204	19213	18854	19882
Combustible fuels	6205	6208	6281	6278	5098	4525
Hydro	7220	7230	7256	7235	7249	8183
Nuclear	..	..	..	..	..	..
Other	5441	5534	5667	5700	6507	7175
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	3224	3127	3068	3168	3349	3105
Gas-diesel oil	790	740	697	699	687	730
Fuel oil	9362	8647	9279	8660	8246	8815
Refinery gas	469	525	628	797	1764	1128
Natural gas	155584	133961	146170	147715	130247	135975
Fuelwood	*17483	*18083	*21304	*25863	*28563	*30214
Municipal waste	8738	8120	8666	8341	8867	8513
Industrial waste	131	128	124	122	170	119
Biodiesel	41	41	40	40	49	47
Black liquor	*9033	*9138	*8413	*8761	*9793	..
Others	135512	112417	52058	28657	9427	..
<b>Total input</b>	340367	294928	250448	232823	201162	188645
<b>Total production</b>	138039	115758	99674	90772	78817	82839
<b>Estimated efficiency (% of production to input)</b>	41	39	40	39	39	44



**Statistics on electricity**
**Puerto Rico**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	16361	17453	18886	18774	19184	18325
Combustible fuels	16002	17226	18444	18321	18705	17872
Hydro	51	38	41	51	40	45
Nuclear	..	..	..	..	..	..
Other	308	189	401	402	439	409
Main activity	16151	17233	18656	18542	18951	18090
Combustible fuels	15792	17006	18214	18089	18472	17637
Hydro	51	38	41	51	40	45
Nuclear	..	..	..	..	..	..
Other	308	189	401	402	439	409
Own use in electricity, CHP and heat plants	663	664	670	632	646	649
Net production	15698	16789	18217	18142	18538	17676
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*982	*524	*1133	*1126	*1200	*1100
Consumption	13559	16375	16077	16035	16269	15683
Energy industries own use	..	..	..	..	..	..
By industry and construction	1741	2128	2048	1910	1853	1768
By transport	..	..	..	..	..	..
By households and other cons.	11817	14246	14029	14126	14416	13915
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*6264	5830	6173	6107	6107	*6106
Combustible fuels	*5900	5466	5808	5742	5742	*5742
Hydro	99	99	99	99	98	98
Nuclear	..	..	..	..	..	..
Other	266	266	267	267	*267	*266
Main activity	*6203	5770	6113	6047	6047	*6046
Combustible fuels	*5839	5406	5748	5682	5682	*5682
Hydro	99	99	99	99	98	98
Nuclear	..	..	..	..	..	..
Other	266	266	267	267	*267	*266
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	26195	29113	40540	35099	32889	36946
Biogas	*139	*136	*195	*121	175	*179
Fuel oil	85616	78235	73249	107084	79439	98876
Natural gas	50727	66336	74140	54629	78042	55247
<b>Total input</b>	162677	173819	188124	196933	190545	191248
<b>Total production</b>	57607	62013	66399	65957	67339	64339
<b>Estimated efficiency (% of production to input)</b>	35	36	35	33	35	34

## Statistics on electricity

### Qatar

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	45555	47913	49873	49259	51641	54623
Combustible fuels	45555	47913	49873	49259	51641	54623
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	2742	1533	1930	2759	1637	2706
Combustible fuels	2742	1533	1930	2759	1637	2706
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	2831	3259	3440	3434	3312	3298
Net production	42724	44654	46432	45825	48329	51325
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2695	2786	2772	2774	2925	3121
Consumption	40030	*41868	*43660	43089	45404	48199
Energy industries own use	..	..	..	..	..	..
By industry and construction	11262	12197	12124	10465	10967	11818
By transport	..	..	..	..	..	..
By households and other cons.	28768	*29671	*31536	32625	34437	36382
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*10170	*10590	*10590	*10590	10576	10574
Combustible fuels	*10170	*10590	*10590	*10590	10576	10574
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*1526	*1553	*1553	*1553	1553	1553
Combustible fuels	*1526	*1553	*1553	*1553	1553	1553
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Natural gas	438866	452056	472908	473104	487126	512466
<b>Total input</b>	438866	452056	472908	473104	487126	512466
<b>Total production</b>	163998	172487	179542	177332	185909	196644
<b>Estimated efficiency (% of production to input)</b>	37	38	38	37	38	38

**Statistics on electricity**
**Republic of Moldova**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	896	954	941	983	1131	995
Combustible fuels	839	884	830	881	976	761
Hydro	48	44	65	47	68	41
Nuclear	..	..	..	..	..	..
Other	9	26	46	55	87	193
Main activity	841	882	862	913	1022	829
Combustible fuels	786	827	777	835	919	715
Hydro	48	44	65	47	68	41
Nuclear	..	..	..	..	..	..
Other	7	11	20	31	35	73
Own use in electricity, CHP and heat plants	135	132	157	148	124	106
Net production	761	822	784	835	1007	889
Imports	3412	3500	3501	3418	3607	3751
Exports	..	..	..	..	..	94
Losses	429	441	425	404	435	463
Consumption	3744	3881	3860	3849	4179	4083
Energy industries own use	40	40	47	42	51	42
By industry and construction	764	771	740	705	751	722
By transport	82	72	45	42	46	48
By households and other cons.	2858	2998	3028	3060	3331	3271
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	477	478	486	490	528	649
Combustible fuels	450	425	430	428	432	471
Hydro	16	16	16	16	16	16
Nuclear	..	..	..	..	..	..
Other	11	37	40	46	79	161
Main activity	353	358	363	372	379	438
Combustible fuels	330	330	330	330	330	362
Hydro	16	16	16	16	16	16
Nuclear	..	..	..	..	..	..
Other	7	12	17	26	32	60
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	0	0	0	0	0	0
Biogas	282	313	292	293	279	294
Crude oil	..	..	..	..	..	0
Gas-diesel oil	0	0	9	9	9	9
Fuel oil	404	283	81	16	695	3232
Other oil products	0	0	..	0	..	..
Natural gas	11511	12292	10935	11112	11733	7128
Fuelwood	0	0	..	..	0	0
Vegetal waste	0	0	0	0	0	0
<b>Total input</b>	12197	12888	11316	11430	12715	10663
<b>Total production</b>	3020	3182	2988	3172	3514	2740
<b>Estimated efficiency (% of production to input)</b>	25	25	26	28	28	26

## Statistics on electricity

### Romania

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	64296	64876	59623	55935	59470	56003
Combustible fuels	28672	27308	23787	20088	22162	21569
Hydro	14853	18097	16006	15701	17745	14360
Nuclear	11509	11377	11280	11466	11284	11089
Other	9262	8093	8550	8679	8279	8985
Main activity	57283	57482	53218	48648	51052	47411
Combustible fuels	22374	20509	18072	13527	14902	13865
Hydro	14609	17859	15736	15432	17433	14139
Nuclear	11509	11377	11280	11466	11284	11089
Other	8791	7736	8130	8222	7432	8318
Own use in electricity, CHP and heat plants	4941	4701	4446	4011	4834	4998
Net production	59355	60176	55177	51924	54636	51005
Imports	4842	3697	5493	8252	8697	8653
Exports	7735	6241	3975	5459	6499	7429
Losses	6994	7056	6501	6202	6198	5462
Consumption	49327	50341	50172	48479	50056	45906
Energy industries own use	4628	4774	4598	4454	4008	3175
By industry and construction	21724	22225	21949	20244	21103	18096
By transport	1089	1056	1060	1086	1325	1204
By households and other cons.	21886	22285	22564	22695	23620	23430
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	23574	23552	20899	20584	18799	19346
Combustible fuels	11067	11022	8366	8126	6316	6448
Hydro	6692	6701	6686	6652	6662	6663
Nuclear	1411	1411	1411	1411	1411	1411
Other	4404	4418	4435	4395	4409	4824
Main activity	20551	20568	18638	18029	16128	16789
Combustible fuels	8908	8873	6670	6309	4463	4839
Hydro	6610	6618	6603	6566	6576	6569
Nuclear	1411	1411	1411	1411	1411	1411
Other	3621	3666	3954	3743	3679	3969
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	194597	182821	177525	119040	134200	124831
Biogas	469	466	372	475	767	925
Gas-diesel oil	39	34	75	72	28	63
Fuel oil	512	991	334	461	298	138
Refinery gas	4258	4195	6969	4235	4390	4751
Petroleum coke	3621	3495	2212	1429	1124	1711
Natural gas	121683	121155	101530	108256	99443	95850
Blast furnace gas	1023	1425	1525	1674	2016	1443
Fuelwood	*6471	*6223	*6392	*6615	*8172	*7948
Industrial waste	0	0	0	0	0	0
Others	0	0	1	0	0	0
<b>Total input</b>	332674	320804	296934	242256	250438	237659
<b>Total production</b>	103218	98311	85631	72318	79783	77647
<b>Estimated efficiency (% of production to input)</b>	31	31	29	30	32	33

**Statistics on electricity**
**Russian Federation**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1094289	1115093	1121492	1089668	1159417	1151156
Combustible fuels	702882	716119	713955	655850	713687	719871
Hydro	187131	193027	196510	214388	216392	199361
Nuclear	203143	204569	208984	215745	223372	223372
Other	1133	1378	2043	3685	5966	8552
Main activity	1021908	1039647	1044968	1018570	1078820	1069982
Combustible fuels	631728	641826	638607	586036	634387	639891
Hydro	185904	191873	195334	213104	215095	198167
Nuclear	203143	204569	208984	215745	223372	223372
Other	1133	1378	2043	3685	5966	8552
Own use in electricity, CHP and heat plants	70589	70556	70240	68247	72616	72003
Net production	1023700	1044537	1051252	1021421	1086801	1079153
Imports	6410	5177	1618	1378	1564	1574
Exports	17006	17779	20049	12116	22903	17970
Losses	105261	103119	99077	95572	97829	98500
Consumption	904191	924909	930536	912224	964175	982504
Energy industries own use	143306	165327	174900	164761	156554	159685
By industry and construction	338785	340296	340553	333135	363034	366270
By transport	77587	82010	81628	77401	82060	85159
By households and other cons.	344513	337277	333455	336926	362526	371390
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	267639	271600	302074	*302703	*304020	*303335
Combustible fuels	187701	190215	217060	*217060	*217060	*217060
Hydro	51241	51333	52757	52889	52963	51860
Nuclear	27952	29140	30300	*30300	*30300	*30300
Other	746	913	1957	2454	3697	4115
Main activity	242389	245977	276452	*277081	*278398	*277713
Combustible fuels	162912	165054	191900	*191900	*191900	*191900
Hydro	50779	50871	52295	52427	52501	51398
Nuclear	27952	29140	30300	*30300	*30300	*30300
Other	746	913	1957	2454	3697	4115
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	1428813	1614200	1626872	1598465	1703014	1695040
Brown Coal	925259	924413	895957	781095	801649	786034
Peat	5112	5516	6826	6001	5781	5312
Gas-diesel oil	57375	54739	53879	47144	56102	63342
Fuel oil	57422	61414	50392	44093	43652	41566
Other oil products	..	24094	24894	21782	25921	23854
Natural gas	7154601	7880840	7106519	6850957	7870144	7362371
Coke-oven gas	64978	63008	61762	58118	54981	65721
Blast furnace gas	63194	56448	60593	61541	62053	58850
Industrial waste	90703	97637	97637	99338	107437	102222
Others	3486	1950	4593	4514	5316	4876
<b>Total input</b>	9850943	10784260	9989925	9573050	10736051	10209187
<b>Total production</b>	2530374	2578027	2570238	2361059	2569273	2591536
<b>Estimated efficiency (% of production to input)</b>	26	24	26	25	24	25

## Statistics on electricity

### Rwanda

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	700	759	798	838	976	1101
Combustible fuels	349	403	393	326	414	529
Hydro	334	338	387	494	545	555
Nuclear	..	..	..	..	..	..
Other	17	18	18	18	18	18
Main activity	698	757	796	836	974	1099
Combustible fuels	347	401	391	324	412	527
Hydro	334	338	387	494	545	555
Nuclear	..	..	..	..	..	..
Other	17	18	18	18	18	18
Own use in electricity, CHP and heat plants	25	2	*3	*3	10	11
Net production	675	757	795	835	966	1090
Imports	82	96	99	28	31	32
Exports	4	5	6	6	9	9
Losses	156	166	167	*164	*191	*201
Consumption	597	682	*722	*693	788	926
Energy industries own use	..	..	..	..	..	..
By industry and construction	161	196	200	219	256	296
By transport	..	..	..	..	..	..
By households and other cons.	435	486	*522	*474	531	630
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	209	226	228	238	*239	277
Combustible fuels	111	121	122	122	*122	143
Hydro	86	92	95	105	*105	122
Nuclear	..	..	..	..	..	..
Other	12	12	12	12	*12	12
Main activity	208	225	227	237	*238	276
Combustible fuels	110	120	121	121	*121	142
Hydro	86	92	95	105	*105	122
Nuclear	..	..	..	..	..	..
Other	12	12	12	12	*12	12
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Peat	*225	*459	*640	*385	*630	*1987
Gas-diesel oil	*1476	*1692	*1446	*980	*1617	*2003
Natural gas	*1700	*1900	*1870	*1800	*1850	*1839
Bagasse	*36	*36	*36	*36	*36	*36
<b>Total input</b>	*3437	*4087	*3993	*3201	*4133	*5865
<b>Total production</b>	1257	1451	1416	1173	1489	1905
<b>Estimated efficiency (% of production to input)</b>	37	36	35	37	36	32

Statistics on electricity

Saint Barthélemy

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	107	101	116	121	133	140
Combustible fuels	107	101	116	121	133	140
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	107	101	116	121	133	140
Combustible fuels	107	101	116	121	133	140
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	107	101	116	121	133	140
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*8	*7	*8	*8	*9	*9
Consumption	*100	*94	*108	*113	*124	*131
Energy industries own use	..	..	..	..	..	..
By industry and construction	*10	*9	*13	*12	*14	*15
By transport	..	..	..	..	..	..
By households and other cons.	*90	*85	*95	*101	*110	*116
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	34	34	34	34	34	34
Combustible fuels	34	34	34	34	34	34
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	34	34	34	34	34	34
Combustible fuels	34	34	34	34	34	34
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	961	900	1040	1084	1076	*1193
<b>Total input</b>	961	900	1040	1084	1076	*1193
<b>Total production</b>	385	363	417	436	479	505
<b>Estimated efficiency (% of production to input)</b>	40	40	40	40	44	42

Statistics on electricity

Saint Martin (French Part)

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	170	148	168	173	178	182
Combustible fuels	170	148	168	172	177	181
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	*1	*1
Main activity	170	148	168	173	178	182
Combustible fuels	170	148	168	172	177	181
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	*1	*1
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	170	148	168	173	178	182
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*11	*10	*11	*12	*12	*12
Consumption	*159	*138	*157	*161	*166	*170
Energy industries own use	..	..	..	..	..	..
By industry and construction	*36	*23	*33	*34	*37	*39
By transport	..	..	..	..	..	..
By households and other cons.	*123	*115	*124	*127	*129	*132
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	57	57	57	58	58	58
Combustible fuels	57	57	57	57	57	57
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	1
Main activity	57	57	57	58	58	58
Combustible fuels	57	57	57	57	57	57
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	1	1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	*1519	*1341	*1507	*1535	*1580	*1592
<b>Total input</b>	*1519	*1341	*1507	*1535	*1580	*1592
<b>Total production</b>	612	533	603	619	637	652
<b>Estimated efficiency (% of production to input)</b>	40	40	40	40	40	41



## Statistics on electricity

### Samoa

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	154	154	169	172	171	172
Combustible fuels	108	89	96	107	94	114
Hydro	26	43	50	41	55	35
Nuclear	..	..	..	..	..	..
Other	20	21	24	24	22	22
Main activity	154	154	169	172	171	172
Combustible fuels	108	89	96	107	94	114
Hydro	26	43	50	41	55	35
Nuclear	..	..	..	..	..	..
Other	20	21	24	24	22	22
Own use in electricity, CHP and heat plants	0	0	0	0	1	0
Net production	154	154	169	172	170	171
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	16	15	17	16	18	18
Consumption	138	138	152	157	152	154
Energy industries own use	..	..	..	..	..	..
By industry and construction	11	10	10	10	8	9
By transport	..	..	..	..	..	..
By households and other cons.	128	129	142	147	145	145
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	53	*54	*56	*58	*59	*60
Combustible fuels	*23	*23	*23	*24	*24	*25
Hydro	13	13	14	14	14	14
Nuclear	..	..	..	..	..	..
Other	18	*19	*19	*21	*21	*21
Main activity	53	*54	*56	*58	*59	*60
Combustible fuels	*23	*23	*23	*24	*24	*25
Hydro	13	13	14	14	14	14
Nuclear	..	..	..	..	..	..
Other	18	*19	*19	*21	*21	*21
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1038	1047	808	716	999	865
Vegetal waste	..	..	..	*1	*3	*3
<b>Total input</b>	1038	1047	808	716	1002	868
<b>Total production</b>	387	322	344	385	337	411
<b>Estimated efficiency (% of production to input)</b>	37	31	43	54	34	47

Statistics on electricity

Sao Tome and Principe

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	109	*110	110	*110	*106	*110
Combustible fuels	104	*103	103	*105	*101	*108
Hydro	5	6	6	5	5	2
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	*1
Main activity	109	*110	110	*110	*106	*110
Combustible fuels	104	*103	103	*105	*101	*108
Hydro	5	6	6	5	5	2
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	*1
Own use in electricity, CHP and heat plants	4	*4	7	7	7	*8
Net production	105	*105	102	*103	*99	*103
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*40	*40	*34	33	34	25
Consumption	*65	*65	*69	*70	*65	*78
Energy industries own use	..	..	..	..	..	..
By industry and construction	*3	*3	*3	*3	*3	*3
By transport	..	..	..	..	..	..
By households and other cons.	*62	*63	*66	*67	*62	*75
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*29	*29	*29	40	40	40
Combustible fuels	*26	*26	*26	37	37	37
Hydro	2	2	2	2	*2	*2
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	*1
Main activity	*29	*29	*29	40	40	40
Combustible fuels	*26	*26	*26	37	37	37
Hydro	2	2	2	2	*2	*2
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	*1
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1109	*1075	*1075	*1092	*1045	*1118
<b>Total input</b>	1109	*1075	*1075	*1092	*1045	*1118
<b>Total production</b>	374	*372	372	*379	*362	*388
<b>Estimated efficiency (% of production to input)</b>	34	35	35	35	35	35

## Statistics on electricity

### Saudi Arabia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	379443	359257	367816	367498	379045	437654
Combustible fuels	379373	359038	367341	366563	377682	435126
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	70	*219	*475	*935	*1363	2528
Main activity	262234	238096	238215	239562	249499	320632
Combustible fuels	262164	237877	237740	238627	248136	318104
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	70	*219	*475	*935	*1363	2528
Own use in electricity, CHP and heat plants	15708	15326	21265	20470	20408	18815
Net production	363735	343931	346551	347028	358637	418839
Imports	3	351	337	464	308	308
Exports	38	385	33	832	352	352
Losses	29648	29286	31055	35779	*37104	37991
Consumption	330583	312579	301613	300691	314750	335276
Energy industries own use	13731	13402	13043	11387	13188	14422
By industry and construction	*57276	*58192	*56485	*57853	*58704	46941
By transport	..	..	..	..	..	..
By households and other cons.	259576	240985	232085	231451	242858	273913
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	98131	96259	110085	113376	117425	*117425
Combustible fuels	98094	96172	109972	113264	116632	*116632
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	37	87	112	112	792	793
Main activity	80505	77024	76485	79776	83825	*83825
Combustible fuels	80468	76937	76372	79664	83032	*83032
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	37	87	112	112	792	793
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Crude oil	872903	749091	830929	853403	884493	968681
Gas-diesel oil	462938	*440879	*132016	*193500	*197800	69183
Fuel oil	186365	175296	*611346	*658641	*679003	695943
Natural gas	2435112	2338003	*2360160	*2421514	*2518658	2571975
<b>Total input</b>	3957318	3703268	*3934451	*4127058	*4279954	4305783
<b>Total production</b>	1365743	1292537	1322428	1319627	1359655	1566454
<b>Estimated efficiency (% of production to input)</b>	35	35	34	32	32	36

**Statistics on electricity**
**Senegal**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4418	4502	*4491	5804	6380	7550
Combustible fuels	4270	4333	*4081	5159	5392	6524
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	148	169	410	646	988	1026
Main activity	3449	3368	*3564	5130	5586	6709
Combustible fuels	3449	3368	*3212	4528	4647	5733
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	352	602	939	976
Own use in electricity, CHP and heat plants	54	55	90	59	47	47
Net production	4364	4447	*4401	5745	6333	7502
Imports	360	360	324	356	315	486
Exports	..	..	..	..	..	..
Losses	672	672	764	919	1020	983
Consumption	3472	3998	*3960	4585	5400	6789
Energy industries own use	..	..	..	..	..	..
By industry and construction	446	1075	1719	1982	1921	1750
By transport	..	..	..	..	..	..
By households and other cons.	3026	2923	*2242	2603	3479	5039
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1016	1174	1358	1423	1589	1653
Combustible fuels	884	1001	1024	1082	1189	1244
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	132	173	*334	*342	*400	*409
Main activity	554	671	953	1018	1184	1248
Combustible fuels	554	671	694	752	859	914
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	259	267	*325	*334
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	4665	6764	8300	1721	7008	9747
Gas-diesel oil	5805	8342	5531	1595	1739	1085
Fuel oil	28159	32118	28826	37747	38087	40581
Natural gas	736	461	559	553	283	199
Bagasse	*2127	*3062	*3253	3196	*3161	*2858
<b>Total input</b>	41492	50747	46469	44812	50278	54470
<b>Total production</b>	15372	15599	*14692	18571	19412	23486
<b>Estimated efficiency (% of production to input)</b>	37	31	32	41	39	43

## Statistics on electricity

### Serbia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	37045	37426	37600	37956	38236	35510
Combustible fuels	27232	25869	26490	27219	25153	25271
Hydro	9752	11393	10198	9749	11984	9274
Nuclear	..	..	..	..	..	..
Other	62	163	912	989	1098	965
Main activity	36519	36883	37130	37483	37708	35029
Combustible fuels	26705	25326	26020	26745	24626	24791
Hydro	9752	11393	10198	9749	11984	9274
Nuclear	..	..	..	..	..	..
Other	62	163	912	989	1098	964
Own use in electricity, CHP and heat plants	2747	2642	3035	2683	2883	2682
Net production	34299	34783	34565	35274	35352	32828
Imports	6549	6400	5417	5070	6984	8447
Exports	5724	6284	5341	5675	6333	5696
Losses	4806	4532	4332	4385	4481	4182
Consumption	30317	30368	30308	30284	31522	31397
Energy industries own use	2193	2319	2314	2403	2322	2417
By industry and construction	8402	8735	8783	8617	9380	9551
By transport	375	375	375	358	384	391
By households and other cons.	19347	18939	18836	18905	19435	19039
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	7410	7632	7968	7984	8002	8227
Combustible fuels	4337	4351	4485	4492	4507	4699
Hydro	3038	3043	3074	3082	3085	3107
Nuclear	..	..	..	..	..	..
Other	35	238	409	410	410	420
Main activity	7296	7514	7827	7839	7853	8073
Combustible fuels	4223	4233	4344	4348	4358	4547
Hydro	3038	3043	3074	3082	3085	3107
Nuclear	..	..	..	..	..	..
Other	35	238	409	410	410	419
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Brown Coal	286828	268848	269485	290140	256304	253445
Lignite briquettes	717	650	609	483	489	182
Biogas	398	631	849	1041	1387	1411
Fuel oil	2786	3004	1248	712	508	258
Other oil products	74	18	51	71	12	7
Natural gas	7478	8113	10140	8793	15236	18920
Blast furnace gas	4249	4760	4637	3209	3424	3614
Fuelwood	0	0	221	395	415	415
Vegetal waste	81	105	99	93	103	99
Industrial waste	20	22	24	25	26	27
Others	1	1	5	45	423	2
<b>Total input</b>	302632	286150	287368	305007	278328	278379
<b>Total production</b>	98034	93129	95364	97988	90552	90975
<b>Estimated efficiency (% of production to input)</b>	32	33	33	32	33	33

## Statistics on electricity

### Seychelles

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	513	518	540	535	536	550
Combustible fuels	503	507	531	523	517	527
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	10	11	9	12	19	23
Main activity	424	428	448	442	443	457
Combustible fuels	414	417	439	430	424	434
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	10	11	9	12	19	23
Own use in electricity, CHP and heat plants	*12	12	*13	*13	*13	*13
Net production	501	506	527	522	523	538
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	40	42	48	40	*40	*41
Consumption	461	464	479	482	483	*497
Energy industries own use	..	..	..	..	..	..
By industry and construction	*129	*125	*127	*131	*137	*140
By transport	..	..	..	..	..	..
By households and other cons.	332	339	352	351	346	*356
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	154	*156	*157	143	152	153
Combustible fuels	146	*146	*147	133	133	133
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	10	10	10	18	19
Main activity	125	*126	*128	114	123	124
Combustible fuels	116	*116	*118	104	104	104
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	10	10	10	18	19
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*972	*980	*1023	*1028	*1011	*1015
Fuel oil	3697	3758	3953	3878	3819	3959
<b>Total input</b>	4668	4738	4977	4905	4830	4974
<b>Total production</b>	1812	1825	1912	1883	1862	1899
<b>Estimated efficiency (% of production to input)</b>	39	39	38	38	39	38

**Statistics on electricity**
**Sierra Leone**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	319	320	378	422	467	495
Combustible fuels	89	91	*135	*180	*224	270
Hydro	224	223	237	236	237	216
Nuclear	..	..	..	..	..	..
Other	6	6	6	6	6	*9
Main activity	315	316	374	418	463	490
Combustible fuels	85	87	*131	*176	*220	265
Hydro	224	223	237	236	237	216
Nuclear	..	..	..	..	..	..
Other	6	6	6	6	6	*9
Own use in electricity, CHP and heat plants	3	3	*3	*4	*3	*5
Net production	316	317	375	418	464	490
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*90	*86	*101	*113	*126	*148
Consumption	*226	*231	*274	*305	*338	*342
Energy industries own use	..	..	..	..	..	..
By industry and construction	*84	*88	*104	*116	*129	*146
By transport	..	..	..	..	..	..
By households and other cons.	*142	*143	*170	*189	*209	*196
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*143	*142	143	99	99	*213
Combustible fuels	*79	*77	78	*34	*34	*143
Hydro	60	61	61	61	61	61
Nuclear	..	..	..	..	..	..
Other	4	4	4	4	4	9
Main activity	*141	*140	141	97	97	*211
Combustible fuels	*77	*75	76	*32	*32	*141
Hydro	60	61	61	61	61	61
Nuclear	..	..	..	..	..	..
Other	4	4	4	4	4	9
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*903	*946	*155	*86	*86	*1006
Fuel oil	..	..	*1361	*1947	*2936	*1834
Bagasse	*20	*19	*19	*19	*19	*20
Vegetal waste	*72	*72	*72	*72	*72	*72
<b>Total input</b>	*995	*1037	*1608	*2125	*3113	*2932
<b>Total production</b>	321	327	*486	*648	*806	971
<b>Estimated efficiency (% of production to input)</b>	32	32	30	31	26	33

Statistics on electricity

Singapore

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	52401	53142	54552	53582	56524	58349
Combustible fuels	52226	52905	54142	53080	55789	57113
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	175	237	410	502	735	1236
Main activity	48410	48409	50055	48921	51925	53917
Combustible fuels	48235	48172	49645	48419	51190	52681
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	175	237	410	502	735	1236
Own use in electricity, CHP and heat plants	175	233	410	502	735	1236
Net production	52225	52908	54142	53080	55789	57113
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	2351	1798	1762	1797	1824	1559
Consumption	49638	50461	51730	50780	53483	54885
Energy industries own use	..	..	..	..	..	..
By industry and construction	21241	21440	21464	20979	22293	22694
By transport	2768	2947	3019	2809	2845	2900
By households and other cons.	25629	26074	27247	26991	28346	29291
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	13927	13966	12859	12320	12474	12621
Combustible fuels	13812	13805	12587	11987	11987	11987
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	116	161	272	333	487	634
Main activity	13358	13397	12307	11768	11922	12069
Combustible fuels	13243	13236	12035	11435	11435	11435
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	116	161	272	333	487	634
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	12464	12347	11598	10484	11702	9362
Gas-diesel oil	43	24	21	14	150	540
Fuel oil	4537	3543	2270	2424	5835	12518
Refinery gas	2822	1556	1325	1485	2206	1298
Natural gas	352198	354400	363506	359935	373157	365947
Bagasse	2851	3224	3115	2948	3450	3509
Municipal waste	26741	24811	25133	23346	21888	25464
<b>Total input</b>	401656	399905	406970	400635	418389	418638
<b>Total production</b>	188012	190457	194911	191088	200840	205607
<b>Estimated efficiency (% of production to input)</b>	47	48	48	48	48	49



Statistics on electricity

Sint Maarten (Dutch part)

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*292	*291	*296	265	*286	*291
Combustible fuels	*292	*291	*296	265	*286	*291
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*292	*291	*296	265	*286	*291
Combustible fuels	*292	*291	*296	265	*286	*291
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*292	*291	*296	265	*286	*291
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*10	*9	*9	*8	*9	*10
Consumption	*282	*270	*274	*257	*277	*281
Energy industries own use	..	..	..	..	..	..
By industry and construction	*49	*45	*42	*40	*43	*44
By transport	..	..	..	..	..	..
By households and other cons.	*233	*225	*232	*217	*234	*238
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*88	*92	*96	99	*99	*101
Combustible fuels	*88	*92	*96	99	*99	*101
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*88	*92	*96	99	*99	*101
Combustible fuels	*88	*92	*96	99	*99	*101
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	*2707	*2626	*2666	*2384	*2573	*2626
<b>Total input</b>	*2707	*2626	*2666	*2384	*2573	*2626
<b>Total production</b>	*1050	*1049	*1065	952	*1029	*1049
<b>Estimated efficiency (% of production to input)</b>	39	40	40	40	40	40

**Statistics on electricity**
**Slovakia**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	27738	26971	28434	28838	30016	26838
Combustible fuels	7367	7542	7953	7897	8999	6254
Hydro	4623	3879	4571	4799	4552	3963
Nuclear	15081	14843	15282	15444	15730	15920
Other	667	707	628	698	735	701
Main activity	24646	23456	25345	25772	26755	23807
Combustible fuels	4862	4650	5397	5435	6369	3791
Hydro	4523	3768	4451	4671	4423	3857
Nuclear	15081	14843	15282	15444	15730	15920
Other	180	195	215	222	233	239
Own use in electricity, CHP and heat plants	2046	2108	2068	2465	2558	2544
Net production	25692	24863	26366	26373	27458	24294
Imports	15563	12428	13538	13289	13884	16743
Exports	12535	8746	11838	12970	13110	15331
Losses	1263	1235	1699	1589	1350	1321
Consumption	27434	27276	26332	25082	26861	24363
Energy industries own use	1631	1341	1140	1269	1312	1493
By industry and construction	12356	12794	12246	10501	11608	9925
By transport	586	588	530	505	586	667
By households and other cons.	12861	12553	12416	12807	13355	12278
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	7679	7638	7752	7741	7524	7501
Combustible fuels	2645	2651	2639	2652	2399	2361
Hydro	2523	2528	2527	2529	2531	2532
Nuclear	1940	1940	1940	1971	2003	2003
Other	571	519	646	589	591	605
Main activity	6597	6523	6533	6569	6366	6340
Combustible fuels	2012	1882	1873	1901	1658	1627
Hydro	2493	2496	2494	2496	2498	2497
Nuclear	1940	1940	1940	1971	2003	2003
Other	152	205	226	201	207	213
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	17425	18353	11405	7219	7661	7090
Brown Coal	24380	22139	20421	18566	13905	15289
Biogas	5040	4977	4988	4340	4354	3403
Fuel oil	8646	2990	2949	2424	2545	3434
Natural gas	20306	21164	30255	35838	41818	23956
Blast furnace gas	1742	1882	1055	938	1719	1208
Fuelwood	*8936	*9202	*8122	*9202	*9048	*7354
Vegetal waste	*797	*977	*904	*900	*1010	1050
Municipal waste	1217	932	1198	1510	1541	1803
Black liquor	*5831	*5310	*4915	*5110	*6275	*6250
Others	2861	2091	1500	1462	2870	2043
<b>Total input</b>	97181	90017	87712	87508	92746	72880
<b>Total production</b>	26521	27151	28631	28429	32396	22514
<b>Estimated efficiency (% of production to input)</b>	27	30	33	32	35	31

**Statistics on electricity**
**Slovenia**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	16326	16327	16100	17191	15877	13616
Combustible fuels	5610	5397	5287	5239	4715	3958
Hydro	4141	4893	4683	5225	4997	3401
Nuclear	6285	5776	5821	6353	5706	5606
Other	290	261	309	374	459	651
Main activity	15595	15603	15331	16340	14952	12586
Combustible fuels	5344	5142	5026	4966	4459	3730
Hydro	3952	4672	4470	5007	4770	3231
Nuclear	6285	5776	5821	6353	5706	5606
Other	14	13	14	15	17	20
Own use in electricity, CHP and heat plants	929	885	875	901	829	748
Net production	15397	15442	15224	16290	15048	12868
Imports	9133	8930	9021	7120	8387	10198
Exports	9648	9432	9340	9123	8658	8752
Losses	893	880	858	849	837	845
Consumption	13988	14060	14047	13438	13941	13468
Energy industries own use	458	348	368	487	482	427
By industry and construction	6446	6499	6492	5952	6062	5504
By transport	233	233	231	210	236	275
By households and other cons.	6851	6980	6957	6790	7160	7262
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3617	3796	3832	3929	4080	4235
Combustible fuels	1332	1514	1512	1516	1576	1571
Hydro	1347	1344	1351	1352	1352	1346
Nuclear	688	688	688	688	688	688
Other	250	250	281	373	464	630
Main activity	3215	3393	3397	3400	3462	3455
Combustible fuels	1286	1467	1468	1471	1529	1527
Hydro	1231	1228	1230	1230	1230	1224
Nuclear	688	688	688	688	688	688
Other	10	10	11	11	14	16
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	120	128	123	123	0	4
Brown Coal	45723	45515	42919	41651	37274	30502
Biogas	1024	957	875	1002	931	891
Gas-diesel oil	112	132	51	69	591	592
Liquefied petroleum gas	49	63	63	42	36	47
Natural gas	4299	4300	4922	5441	4920	4502
Fuelwood	*1995	*1873	*2203	*2217	*2306	2360
Industrial waste	375	409	364	410	410	408
Biodiesel	44	58	48	66	51	59
<b>Total input</b>	53742	53434	51567	51021	46519	39364
<b>Total production</b>	20198	19427	19032	18859	16975	14249
<b>Estimated efficiency (% of production to input)</b>	38	36	37	37	36	36

**Statistics on electricity**
**Solomon Islands**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	103	104	107	106	106	104
Combustible fuels	99	100	103	102	102	100
Hydro	1	1	1	1	1	*1
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	*3
Main activity	99	101	104	103	103	101
Combustible fuels	95	97	99	99	99	97
Hydro	1	1	1	1	1	*1
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	3	*3
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	103	104	107	106	106	104
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*13	*16	*18	*18	*19	*20
Consumption	90	88	88	*88	*87	*84
Energy industries own use	..	..	..	..	..	..
By industry and construction	*37	*39	*41	*40	*40	*39
By transport	..	..	..	..	..	..
By households and other cons.	53	49	48	*48	*47	*45
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*35	*35	*35	35	*35	*37
Combustible fuels	*32	*32	*32	32	*32	*32
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	*3	4
Main activity	*34	*34	*34	34	*34	*36
Combustible fuels	*31	*31	*31	31	*31	*31
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	3	3	3	3	*3	4
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*998	*1015	*1027	*1026	*1019	*1011
Vegetal waste	*48	*35	*42	*37	*43	*36
<b>Total input</b>	*1046	*1050	*1069	*1063	*1062	*1047
<b>Total production</b>	356	360	370	368	367	361
<b>Estimated efficiency (% of production to input)</b>	34	34	35	35	35	34

## Statistics on electricity

### Somalia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	475	497	522	520	534	*560
Combustible fuels	458	480	505	490	491	*494
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	17	17	17	30	43	*66
Main activity	335	355	377	400	424	*450
Combustible fuels	318	338	360	370	381	*384
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	17	17	17	30	43	*66
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	475	497	522	520	534	*560
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*47	*50	*53	*56	*59	*63
Consumption	*428	*447	*469	*464	*475	*497
Energy industries own use	..	..	..	..	..	..
By industry and construction	*140	*142	*145	*120	*110	*110
By transport	..	..	..	..	..	..
By households and other cons.	*288	*305	*324	*344	*365	*387
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	344	387	400	415	429	445
Combustible fuels	331	373	385	389	400	403
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	13	14	15	26	29	*42
Main activity	274	287	300	315	329	345
Combustible fuels	261	273	285	289	300	303
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	13	14	15	26	29	*42
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*3513	*3731	*3973	*4082	*4210	*4240
Fuel oil	*1495	*1535	*1576	*1212	*1131	*1131
<b>Total input</b>	*5008	*5266	*5549	*5294	*5341	*5371
<b>Total production</b>	1649	1727	1817	1762	1768	*1778
<b>Estimated efficiency (% of production to input)</b>	33	33	33	33	33	33

**Statistics on electricity**
**South Africa**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	257769	256397	252644	239521	244381	234850
Combustible fuels	227635	228415	222168	211067	210233	201891
Hydro	5323	5694	5791	6246	6784	7245
Nuclear	15743	11580	13252	9903	12355	9803
Other	9068	10708	11433	12305	15009	15911
Main activity	237648	233136	228480	215192	217650	208587
Combustible fuels	216379	215609	209197	198802	198356	191429
Hydro	5183	5619	5748	6182	6686	7141
Nuclear	15743	11580	13252	9903	12355	9803
Other	343	328	283	305	253	214
Own use in electricity, CHP and heat plants	18601	13853	13438	13006	13291	13003
Net production	239168	242544	239206	226515	231090	221847
Imports	7321	9687	9804	9829	10137	10761
Exports	14423	14386	14977	13647	13705	12270
Losses	21086	22737	22904	25078	24811	23879
Consumption	222422	225092	220703	210283	210336	201037
Energy industries own use	19750	21593	21757	19176	17264	14779
By industry and construction	107106	106588	103585	100900	100900	97769
By transport	3329	3118	3072	2341	2598	2123
By households and other cons.	92237	93794	92290	87867	89574	86365
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*55432	*56305	*58783	*58982	61962	59168
Combustible fuels	*45497	*45497	*48380	*48380	50780	47709
Hydro	3479	3479	*3479	*3485	*3485	*3485
Nuclear	1940	1940	1940	1940	1940	1940
Other	*4516	5389	4984	*5177	*5757	*6034
Main activity	*48555	*48655	*51538	*51544	54044	50983
Combustible fuels	*43097	*43097	*45980	*45980	48380	45309
Hydro	3418	3418	*3418	*3424	*3424	*3424
Nuclear	1940	1940	1940	1940	1940	1940
Other	100	*200	*200	*200	*300	*310
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	3022616	2860232	3109340	3038094	2903840	2773084
Gas-diesel oil	381	16565	19364	20690	26468	40822
Fuel oil	..	1700	1856	1778	1817	1798
Bagasse	4591	4736	4767	4661	4720	4939
<b>Total input</b>	3027588	2883234	3135326	3065223	2936846	2820642
<b>Total production</b>	819486	822295	799803	759842	756838	726809
<b>Estimated efficiency (% of production to input)</b>	27	29	26	25	26	26

**Statistics on electricity**
**South Sudan**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	542	548	557	558	566	538
Combustible fuels	539	538	546	547	549	503
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	10	11	11	17	35
Main activity	503	500	508	508	511	469
Combustible fuels	502	495	503	503	503	458
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	5	5	5	8	11
Own use in electricity, CHP and heat plants	15	15	15	15	16	15
Net production	527	533	542	543	550	523
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	24	22	22	22	23	22
Consumption	498	517	521	507	524	514
Energy industries own use	..	..	..	..	..	..
By industry and construction	197	200	201	188	198	188
By transport	..	..	..	..	..	..
By households and other cons.	301	317	319	319	325	326
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*131	*133	*133	*133	*135	*145
Combustible fuels	*120	*120	*120	*120	*120	*121
Hydro	*3	*3	*3	*3	*3	*3
Nuclear	..	..	..	..	..	..
Other	*8	*10	*10	*10	*12	*21
Main activity	*90	*90	*90	*90	*90	*90
Combustible fuels	*80	*80	*80	*80	*80	*80
Hydro	*3	*3	*3	*3	*3	*3
Nuclear	..	..	..	..	..	..
Other	*7	*7	*7	*7	*7	*7
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Motor gasoline	75	137	139	142	150	142
Gas-diesel oil	5547	6063	6152	6161	6171	5648
<b>Total input</b>	5622	6200	6291	6303	6321	5790
<b>Total production</b>	1941	1938	1966	1970	1975	1810
<b>Estimated efficiency (% of production to input)</b>	35	31	31	31	31	31

## Statistics on electricity

### Spain

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	275726	274452	273257	263373	274312	292454
Combustible fuels	133002	118149	117125	93778	95443	112950
Hydro	21070	36803	26874	33998	32847	22102
Nuclear	58039	55766	58349	58299	56564	58590
Other	63615	63734	70909	77298	89458	98812
Main activity	239591	236865	234941	227707	236484	261631
Combustible fuels	97587	81760	80066	59588	59937	87315
Hydro	20593	35894	25977	33026	31966	21241
Nuclear	58039	55766	58349	58299	56564	58590
Other	63372	63445	70549	76794	88017	94485
Own use in electricity, CHP and heat plants	10808	10625	9461	8782	8981	9280
Net production	264918	263827	263796	254591	265331	283174
Imports	23762	24018	18721	17928	17411	8032
Exports	14593	12916	11859	14649	16559	27833
Losses	23823	25596	24790	25631	26728	25131
Consumption	250149	248968	245190	231792	239371	237940
Energy industries own use	11048	10503	10661	12137	11491	13574
By industry and construction	81019	78659	75925	68885	75844	70851
By transport	3987	4046	3937	3335	3662	3980
By households and other cons.	154095	155760	154667	147435	148374	149535
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	101583	101516	108454	107415	111002	124743
Combustible fuels	46456	46061	45697	41771	39778	39470
Hydro	20079	20080	20114	20117	20132	20137
Nuclear	7117	7117	7117	7117	7117	7117
Other	27930	28257	35526	38409	43974	58018
Main activity	94974	94944	101963	100814	103751	114912
Combustible fuels	40299	39963	39718	35818	33849	33549
Hydro	19710	19711	19745	19748	19763	19768
Nuclear	7117	7117	7117	7117	7117	7117
Other	27848	28153	35383	38131	43022	54478
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	443931	385792	132568	63826	51292	80084
Biogas	8417	8490	8276	8117	9007	9120
Gas-diesel oil	36077	37367	39130	36335	39001	42706
Fuel oil	76073	70862	64155	47995	41733	41546
Refinery gas	5792	6138	5297	5495	4455	6293
Natural gas	461908	417687	593612	496060	509802	633595
Blast furnace gas	10863	10685	9099	5412	10889	7530
Fuelwood	*38421	*36108	*34817	*40699	47250	*42721
Vegetal waste	*13421	*12665	*12284	*14172	*14450	*14950
Municipal waste	21160	20926	21010	19378	21252	21199
Others	46894	34554	17264	9593	5427	6073
<b>Total input</b>	1162957	1041274	937512	747082	754558	905817
<b>Total production</b>	478807	425336	421650	337601	343595	406620
<b>Estimated efficiency (% of production to input)</b>	41	41	45	45	46	45



**Statistics on electricity**
**Sri Lanka**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	15004	15985	16630	15801	17363	16680
Combustible fuels	10381	9072	11102	10260	8923	8459
Hydro	4039	6401	4812	4976	7227	6759
Nuclear	..	..	..	..	..	..
Other	583	513	716	565	1214	1462
Main activity	13821	14577	15396	14532	15439	14670
Combustible fuels	10296	8985	10984	10142	8830	8359
Hydro	3075	5169	3801	3929	5659	5383
Nuclear	..	..	..	..	..	..
Other	450	423	611	460	951	928
Own use in electricity, CHP and heat plants	336	612	539	757	705	738
Net production	14668	15374	16091	15044	16658	15942
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	1179	1407	1337	1496	1614	1403
Consumption	13489	14120	14818	14656	15629	14962
Energy industries own use	..	..	..	..	..	..
By industry and construction	4372	4598	4716	4485	5153	4629
By transport	..	..	..	..	..	..
By households and other cons.	9117	9522	10102	10170	10476	10333
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4094	4219	*4517	4549	4909	*5364
Combustible fuels	2144	2191	*2432	2452	2614	*2618
Hydro	1720	1793	1809	1793	1799	*1883
Nuclear	..	..	..	..	..	..
Other	230	236	*276	*304	*496	*863
Main activity	3658	3615	*3733	3689	3716	*4046
Combustible fuels	2115	2037	*2148	2098	2098	*2098
Hydro	1364	1399	1399	1383	1383	*1383
Nuclear	..	..	..	..	..	..
Other	179	179	186	*208	*235	*565
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	61151	58880	64737	68855	67447	62813
Gas-diesel oil	17535	7136	14542	8114	5227	6210
Fuel oil	19974	17130	25775	25775	18453	14314
Naphtha	9060	3071	5543	0	678	1511
Bagasse	848	*1113	1488	1238	1176	*1931
<b>Total input</b>	108568	87328	112085	103982	92981	86778
<b>Total production</b>	37373	32660	39966	36935	32121	30452
<b>Estimated efficiency (% of production to input)</b>	34	37	36	36	35	35

Statistics on electricity

St. Helena and Depend.

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	11	12	12	11	11	10
Combustible fuels	9	8	9	8	8	9
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	4	3	3	2	2
Main activity	11	12	12	11	11	10
Combustible fuels	9	8	9	8	8	9
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	4	3	3	2	2
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	11	12	12	11	11	10
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*2	*1	*2	*2	1	2
Consumption	9	11	10	10	9	9
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	9	11	10	10	9	9
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	11	12	12	12	10	10
Combustible fuels	8	8	8	8	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*3	4	*4	*4	4	4
Main activity	11	12	12	12	10	10
Combustible fuels	8	8	8	8	5	5
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*3	4	*4	*4	4	4
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*77	*69	*83	*75	*69	*74
<b>Total input</b>	*77	*69	*83	*75	*69	*74
<b>Total production</b>	31	28	33	30	30	31
<b>Estimated efficiency (% of production to input)</b>	40	41	39	40	44	41

**Statistics on electricity**
**St. Kitts-Nevis**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	231	239	250	234	228	235
Combustible fuels	222	230	242	224	218	225
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	9	9	10	10	*10
Main activity	230	238	249	233	227	234
Combustible fuels	221	229	241	223	217	224
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	9	9	10	10	*10
Own use in electricity, CHP and heat plants	2	3	3	4	5	*2
Net production	228	236	247	230	224	233
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*45	*40	*40	*40	*39	*42
Consumption	*183	*196	*207	*191	*185	*191
Energy industries own use	..	..	..	..	..	..
By industry and construction	*36	*39	*41	*38	*36	*37
By transport	..	..	..	..	..	..
By households and other cons.	*147	*157	*167	*153	*149	*154
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	65	71	*71	*72	*72	*72
Combustible fuels	60	67	*67	*67	*67	*67
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	4	5	5	5
Main activity	61	67	*67	*68	*68	*68
Combustible fuels	56	63	*63	*63	*63	*63
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	4	4	5	5	5
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*2176	*2253	*2361	*2193	*2137	*2202
<b>Total input</b>	*2176	*2253	*2361	*2193	*2137	*2202
<b>Total production</b>	799	829	870	806	785	810
<b>Estimated efficiency (% of production to input)</b>	37	37	37	37	37	37

**Statistics on electricity**
**St. Lucia**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	400	399	408	372	391	409
Combustible fuels	400	394	401	365	384	402
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	5	7	7	7	7
Main activity	400	399	408	372	390	409
Combustible fuels	400	394	401	365	384	402
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	5	7	7	6	7
Own use in electricity, CHP and heat plants	13	12	13	14	14	12
Net production	387	387	396	359	377	397
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	27	25	27	22	24	23
Consumption	360	362	369	336	353	374
Energy industries own use	..	..	..	..	..	..
By industry and construction	18	17	18	18	19	20
By transport	..	..	..	..	..	..
By households and other cons.	341	344	351	319	334	353
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	88	91	92	93	93	93
Combustible fuels	88	88	88	88	88	88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	3	4	4	4	5
Main activity	88	91	91	91	91	91
Combustible fuels	88	88	88	88	88	88
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	3	3	3	3	3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	3593	3593	3504	3157	3327	3526
<b>Total input</b>	3593	3593	3504	3157	3327	3526
<b>Total production</b>	1441	1419	1444	1314	1382	1447
<b>Estimated efficiency (% of production to input)</b>	40	40	41	42	42	41

Statistics on electricity

St. Pierre-Miquelon

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	49	51	52	51	51	50
Combustible fuels	49	51	52	51	51	50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	49	51	52	51	51	50
Combustible fuels	49	51	52	51	51	50
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	49	51	52	51	51	50
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	3	3	3	3	2	2
Consumption	*46	*47	*49	*49	*49	*48
Energy industries own use	..	..	..	..	..	..
By industry and construction	*1	*1	*1	*1	*1	1
By transport	..	..	..	..	..	..
By households and other cons.	*45	*46	*48	*48	*48	*46
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	25	26	26	26	26	26
Combustible fuels	25	26	26	26	26	26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	25	26	26	26	26	26
Combustible fuels	25	26	26	26	26	26
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*499	*507	*525	*516	*512	*482
<b>Total input</b>	*499	*507	*525	*516	*512	*482
<b>Total production</b>	175	183	188	184	183	179
<b>Estimated efficiency (% of production to input)</b>	35	36	36	36	36	37

Statistics on electricity

St. Vincent-Grenadines

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	151	151	154	152	145	*154
Combustible fuels	129	125	130	125	122	*128
Hydro	20	24	22	22	19	*21
Nuclear	..	..	..	..	..	..
Other	1	2	3	5	4	4
Main activity	150	150	153	151	144	*152
Combustible fuels	129	125	130	125	122	*128
Hydro	20	24	22	22	19	*21
Nuclear	..	..	..	..	..	..
Other	1	1	2	4	2	3
Own use in electricity, CHP and heat plants	5	5	5	3	5	*3
Net production	146	146	149	149	140	*150
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	9	10	10	11	11	*12
Consumption	136	135	138	140	138	*145
Energy industries own use	..	..	..	..	..	..
By industry and construction	7	7	7	7	6	*7
By transport	..	..	..	..	..	..
By households and other cons.	129	128	131	133	132	*138
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	50	47	50	56	*56	*59
Combustible fuels	41	38	40	44	*44	*47
Hydro	6	6	6	6	6	6
Nuclear	..	..	..	..	..	..
Other	3	4	4	6	6	6
Main activity	49	47	50	54	*54	*57
Combustible fuels	41	38	40	44	*44	*47
Hydro	6	6	6	6	6	6
Nuclear	..	..	..	..	..	..
Other	3	3	4	4	4	4
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1227	1190	1249	1244	1252	*1316
<b>Total input</b>	1227	1190	1249	1244	1252	*1316
<b>Total production</b>	464	450	467	451	439	*461
<b>Estimated efficiency (% of production to input)</b>	38	38	37	36	35	35

## Statistics on electricity

### State of Palestine

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	546	420	811	840	917	1021
Combustible fuels	501	360	691	662	693	679
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	45	60	120	178	224	342
Main activity	392	284	651	677	733	779
Combustible fuels	369	254	591	588	621	608
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	23	30	60	89	112	171
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	546	420	811	840	917	1021
Imports	5577	5916	6249	6519	6678	7212
Exports	..	..	..	..	..	..
Losses	735	760	847	883	911	988
Consumption	5388	5576	6213	6476	6683	7245
Energy industries own use	..	..	..	..	..	..
By industry and construction	648	715	686	544	616	635
By transport	..	..	..	..	1	1
By households and other cons.	4740	4861	5528	5932	6067	6609
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	190	200	240	278	338	380
Combustible fuels	160	160	160	160	160	160
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	30	40	80	118	178	220
Main activity	155	160	180	199	229	250
Combustible fuels	140	140	140	140	140	140
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	15	20	40	59	89	110
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Motor gasoline	279	235	222	106	49	40
Gas-diesel oil	4670	3040	6050	5796	6214	6076
<b>Total input</b>	4949	3275	6272	5903	6262	6116
<b>Total production</b>	1803	1297	2489	2382	2493	2444
<b>Estimated efficiency (% of production to input)</b>	36	40	40	40	40	40

**Statistics on electricity**
**Sudan**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	15692	16398	16814	17642	*16781	16771
Combustible fuels	6325	6721	6583	6613	*6693	4842
Hydro	9347	9657	10210	11008	*10061	11804
Nuclear	..	..	..	..	..	..
Other	20	21	21	22	28	126
Main activity	15562	16277	16705	17534	*16674	16665
Combustible fuels	6195	6599	6474	6505	*6585	4735
Hydro	9347	9657	10210	11008	*10061	11804
Nuclear	..	..	..	..	..	..
Other	20	21	21	22	28	126
Own use in electricity, CHP and heat plants	274	478	200	*202	*311	740
Net production	15418	15920	16614	17440	*16470	16031
Imports	891	808	*207	1318	993	882
Exports	..	..	..	..	..	..
Losses	3140	3028	*3594	3165	*3585	3652
Consumption	12008	13700	*12639	*15593	*13877	*13261
Energy industries own use	..	..	..	..	..	..
By industry and construction	2003	1795	*1517	2748	*1919	1414
By transport	..	..	..	..	..	..
By households and other cons.	10005	11905	*11122	*12845	*11958	*11847
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	3802	4097	4127	4134	4155	4209
Combustible fuels	2013	2131	2134	2134	2134	2134
Hydro	1753	1907	1913	1883	1885	1885
Nuclear	..	..	..	..	..	..
Other	36	59	80	117	136	190
Main activity	3603	3898	3928	3935	3956	4010
Combustible fuels	1814	1932	1935	1935	1935	1935
Hydro	1753	1907	1913	1883	1885	1885
Nuclear	..	..	..	..	..	..
Other	36	59	80	117	136	190
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Crude oil	29340	25485	29387	28798	35397	*12948
Gas-diesel oil	23180	18058	16617	*24377	*9166	*8931
Fuel oil	7575	9809	*13746	*12912	*14289	*16369
Petroleum coke	4118	3933	4030	6474	*8125	*8775
Bagasse	*2100	*2131	*1961	1931	*1931	*1931
<b>Total input</b>	66313	59416	65742	*74491	68909	*48954
<b>Total production</b>	22769	24194	23699	23807	*24094	17431
<b>Estimated efficiency (% of production to input)</b>	34	41	36	32	35	36



## Statistics on electricity

### Suriname

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	1805	1792	1868	1730	1594	2097
Combustible fuels	871	782	906	1043	734	1155
Hydro	926	1000	952	674	847	917
Nuclear	..	..	..	..	..	..
Other	9	10	10	12	13	25
Main activity	453	352	397	484	272	447
Combustible fuels	444	342	387	471	259	435
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	9	10	10	12	13	13
Own use in electricity, CHP and heat plants	265	258	247	226	218	193
Net production	1540	1534	1621	1504	1376	1904
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	193	187	192	150	67	*88
Consumption	1347	1347	1430	1354	1309	1816
Energy industries own use	..	..	..	..	..	16
By industry and construction	280	268	299	445	434	916
By transport	..	..	..	..	..	..
By households and other cons.	1067	1079	1131	909	875	885
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	502	505	503	491	532	588
Combustible fuels	307	309	316	302	343	386
Hydro	189	189	180	180	180	180
Nuclear	..	..	..	..	..	..
Other	6	7	7	9	9	22
Main activity	217	220	227	215	256	298
Combustible fuels	211	213	220	206	247	286
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	7	7	9	9	12
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	690	676	1111	677	*430	1265
Fuel oil	*8686	*7716	*8565	*10423	*7312	*12518
Natural gas	136	195	232	230	248	274
<b>Total input</b>	*9512	*8587	*9908	*11330	*7990	*14057
<b>Total production</b>	3134	2815	3262	3756	2642	4159
<b>Estimated efficiency (% of production to input)</b>	33	33	33	33	33	30

## Statistics on electricity

### Sweden

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	164250	163400	168439	163833	171798	173159
Combustible fuels	15547	15571	16390	13618	16137	16015
Hydro	65168	62250	65393	72440	73926	69967
Nuclear	65696	68549	66130	49198	52965	51944
Other	17839	17030	20526	28577	28770	35233
Main activity	158035	157261	161475	157224	164904	165140
Combustible fuels	9344	9443	9431	7009	9243	9020
Hydro	65156	62239	65388	72440	73926	69967
Nuclear	65696	68549	66130	49198	52965	51944
Other	17839	17030	20526	28577	28770	34209
Own use in electricity, CHP and heat plants	3724	3723	2794	2919	3175	3163
Net production	160526	159677	165645	160914	168623	169996
Imports	11896	12202	9070	11827	8341	6181
Exports	30888	29425	35231	36824	33909	39400
Losses	9495	10537	10590	8305	10637	9709
Consumption	130495	130629	127388	125801	130632	125891
Energy industries own use	3241	3067	2846	2816	3101	3122
By industry and construction	50939	50719	49478	47479	46914	45498
By transport	2476	2573	2722	2645	3259	4103
By households and other cons.	73839	74270	72342	72861	77358	73168
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	39806	41240	42853	43724	44845	47855
Combustible fuels	7442	8408	8343	8406	7725	9117
Hydro	16502	16431	16462	16406	16407	16399
Nuclear	8999	8656	8624	7777	6899	6901
Other	6863	7745	9424	11135	13814	15438
Main activity	38521	39792	41442	42338	43385	45006
Combustible fuels	6175	6978	6950	7020	6265	6268
Hydro	16484	16413	16444	16406	16407	16399
Nuclear	8999	8656	8624	7777	6899	6901
Other	6863	7745	9424	11135	13814	15438
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Peat	4626	7239	4827	2291	2415	1252
Gas-diesel oil	1075	1634	1720	1032	1849	2193
Fuel oil	1656	2060	889	687	2141	2788
Natural gas	4724	6769	4968	1484	4898	2321
Blast furnace gas	6833	7167	6031	6322	6775	5788
Fuelwood	*143783	*142651	*153866	*134387	*160731	*154805
Municipal waste	65148	60846	64100	70350	69091	67200
Industrial waste	748	755	744	564	126	606
Other recovered gases	1992	1891	1351	1625	1254	1526
Other liquid biofuels	438	658	438	301	1178	1041
Others	7780	7724	5295	1039	1073	1000
<b>Total input</b>	*238804	*239394	*244229	*220082	*251532	*240520
<b>Total production</b>	55969	56056	59004	49025	58093	57654
<b>Estimated efficiency (% of production to input)</b>	23	23	24	22	23	24

## Statistics on electricity

### Switzerland

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	63095	69110	73478	71654	66042	65666
Combustible fuels	3870	3728	3775	3863	3796	3670
Hydro	37033	37802	40962	41022	39895	33836
Nuclear	20376	25513	26418	24025	19364	24153
Other	1816	2067	2324	2744	2987	4007
Main activity	55593	61145	65260	63014	57192	56231
Combustible fuels	664	596	617	676	718	640
Hydro	34421	34915	38079	38168	36966	31289
Nuclear	20376	25513	26418	24025	19364	24153
Other	133	122	146	145	145	150
Own use in electricity, CHP and heat plants	1438	1659	1732	1634	1419	1559
Net production	61657	67451	71746	70020	64623	64108
Imports	36496	31020	29505	26988	31532	33117
Exports	30946	32607	35765	32548	29119	29734
Losses	4561	4230	4156	4287	4777	4893
Consumption	62634	61632	61330	60173	62259	62598
Energy industries own use	4160	3987	4133	4459	4145	5567
By industry and construction	17839	17250	17208	16622	17539	17308
By transport	3433	3403	3383	3172	3386	3569
By households and other cons.	37202	36992	36606	35919	37189	36153
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	21615	22063	22423	22568	23280	25319
Combustible fuels	946	940	943	954	965	967
Hydro	15353	15541	15574	15594	15612	16568
Nuclear	3333	3333	3333	2960	2960	2960
Other	1982	2249	2573	3061	3743	4825
Main activity	18286	18456	18513	18057	18229	18821
Combustible fuels	257	257	259	268	287	298
Hydro	14621	14791	14845	14742	14894	15474
Nuclear	3333	3333	3333	2960	2960	2960
Other	75	75	75	87	88	88
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Biogas	2235	2230	2376	2573	2665	2703
Gas-diesel oil	293	215	276	247	353	414
Fuel oil	2	..	..	2	..	..
Liquefied petroleum gas	25	17	17	10	9	7
Natural gas	5568	4927	5399	5149	4132	2979
Fuelwood	*6795	*6355	*7807	*8404	*10650	*10623
Municipal waste	45189	45500	45902	46074	45091	43385
Industrial waste	1034	1189	1561	1358	1588	1620
<b>Total input</b>	61140	60434	63338	63816	64488	61731
<b>Total production</b>	13932	13422	13591	13907	13665	13211
<b>Estimated efficiency (% of production to input)</b>	23	22	21	22	21	21

Statistics on electricity

Syrian Arab Republic

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	21613	22300	22300	21000	21677	20062
Combustible fuels	20858	21543	21541	20225	20864	19205
Hydro	754	754	754	754	754	754
Nuclear	..	..	..	..	..	..
Other	1	3	5	21	59	103
Main activity	17696	17541	17011	15800	16408	14740
Combustible fuels	16941	16784	16252	15025	15595	13883
Hydro	754	754	754	754	754	754
Nuclear	..	..	..	..	..	..
Other	1	3	5	21	59	103
Own use in electricity, CHP and heat plants	2469	2547	2547	2399	2476	2292
Net production	19144	19753	19753	18601	19201	17770
Imports	..	..	..	..	..	..
Exports	543	543	347	317	346	361
Losses	4506	4653	4695	4424	4562	4214
Consumption	15395	15897	16040	15112	15585	14395
Energy industries own use	..	..	..	..	..	..
By industry and construction	5177	5346	5394	5082	5241	4840
By transport	..	..	..	..	..	..
By households and other cons.	10218	10551	10646	10031	10344	9554
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*9690	10059	10060	*10069	*9602	*10178
Combustible fuels	*8199	8567	8567	*8567	*8079	*8625
Hydro	1490	1490	1490	1490	1490	1490
Nuclear	..	..	..	..	..	..
Other	1	2	3	12	34	63
Main activity	*8778	9087	9088	*9097	*8630	*9206
Combustible fuels	*7287	7595	7595	*7595	*7107	*7653
Hydro	1490	1490	1490	1490	1490	1490
Nuclear	..	..	..	..	..	..
Other	1	2	3	12	34	63
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	70021	85069	94546	92958	94181	95128
Fuel oil	69407	69407	69407	69407	69407	69407
Natural gas	114151	113534	108907	95640	101811	83300
<b>Total input</b>	253579	268011	272860	258006	265398	247835
<b>Total production</b>	75089	77555	77548	72810	75111	69138
<b>Estimated efficiency (% of production to input)</b>	30	29	28	28	28	28

## Statistics on electricity

### Tajikistan

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	18144	19743	20676	19734	20624	21399
Combustible fuels	1011	1348	1507	1620	1657	1475
Hydro	17133	18395	19169	18114	18967	19924
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	18144	19743	20676	19734	20624	21399
Combustible fuels	1011	1348	1507	1620	1657	1475
Hydro	17133	18395	19169	18114	18967	19924
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	229	205	213	311	300	222
Net production	17915	19538	20463	19423	20324	21177
Imports	110	559	281	379	883	797
Exports	1421	2945	3175	1870	3307	3341
Losses	*2873	*2968	2429	2549	4071	3920
Consumption	13842	13890	14167	14965	13777	14596
Energy industries own use	68	..	..	..	..	..
By industry and construction	4428	*3438	3464	2346	3925	3736
By transport	30	7	*8	*8	9	5
By households and other cons.	9316	10445	10695	12611	9843	10855
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*6577	*6577	6451	6626	6626	6626
Combustible fuels	*719	*719	718	718	718	718
Hydro	*5858	*5858	5733	5908	5908	5908
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*6577	*6577	6451	6626	6626	6626
Combustible fuels	*719	*719	718	718	718	718
Hydro	*5858	*5858	5733	5908	5908	5908
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	10268	15785	17280	19482	15878	19240
<b>Total input</b>	10268	15785	17280	19482	15878	19240
<b>Total production</b>	3640	4853	5425	5832	5965	5310
<b>Estimated efficiency (% of production to input)</b>	35	31	31	30	38	28

## Statistics on electricity

### Thailand

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	181940	183241	191576	189645	*187758	199382
Combustible fuels	171453	169279	176313	177227	*174966	184533
Hydro	4833	7783	6446	4656	4687	6834
Nuclear	..	..	..	..	..	..
Other	5654	6179	8818	7761	8105	8015
Main activity	126251	119114	122644	189645	*187758	199382
Combustible fuels	119793	109190	111954	177227	*174966	184533
Hydro	4811	7745	6411	4656	4687	6834
Nuclear	..	..	..	..	..	..
Other	1648	2178	4279	7761	8105	8015
Own use in electricity, CHP and heat plants	3051	3777	3827	4043	3814	3608
Net production	178889	179464	187749	185602	*183944	195774
Imports	24427	26669	25547	29551	33358	35473
Exports	1106	1093	2882	2611	1969	2060
Losses	11920	12904	13286	12973	16122	12820
Consumption	185369	188048	193176	196706	199212	217038
Energy industries own use	..	..	..	..	..	..
By industry and construction	87772	87829	86104	75218	79896	90979
By transport	245	216	215	218	222	270
By households and other cons.	97352	100003	106857	121270	119094	125789
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	44024	45179	45260	49550	52110	50580
Combustible fuels	35226	35426	35082	41959	44459	42864
Hydro	3467	*3682	*3682	3106	3109	*3110
Nuclear	..	..	..	..	..	..
Other	*5330	*6071	*6495	4485	4542	4606
Main activity	27060	28215	28296	49550	52110	50580
Combustible fuels	20277	20477	20133	41959	44459	42864
Hydro	3452	*3667	*3667	3106	3109	*3110
Nuclear	..	..	..	..	..	..
Other	*3330	*4071	*4495	4485	4542	4606
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	206690	140669	134786	139392	123919	124790
Brown Coal	168344	160885	157593	151717	149480	155710
Biogas	10987	23800	26380	21080	23220	24620
Gas-diesel oil	1628	1505	1505	1118	2494	12083
Fuel oil	1890	608	987	1153	3460	13389
Natural gas	1022823	1170474	1206373	1130477	1130087	996557
Bagasse	*150652	171462	187987	163593	168311	182211
Vegetal waste	*115727	*126390	*138253	*141193	*160521	263225
Municipal waste	1521	5681	8716	12236	14602	49766
Black liquor	*12581	*21121	*19843	*17229	*19329	15072
<b>Total input</b>	1692843	1822594	1882424	1779188	1795423	1837423
<b>Total production</b>	617230	609405	634726	638018	*629878	664319
<b>Estimated efficiency (% of production to input)</b>	36	33	34	36	35	36

## Statistics on electricity

### Timor-Leste

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	430	453	518	505	510	*522
Combustible fuels	427	450	515	503	508	*520
Hydro	2	2	2	2	2	*2
Nuclear	..	..	..	..	..	..
Other	2	1	1	1	1	*1
Main activity	430	453	518	505	510	*522
Combustible fuels	427	450	515	503	508	*520
Hydro	2	2	2	2	2	*2
Nuclear	..	..	..	..	..	..
Other	2	1	1	1	1	*1
Own use in electricity, CHP and heat plants	23	27	31	36	31	*33
Net production	407	426	486	469	479	*489
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*85	*90	*103	*100	*100	*100
Consumption	321	335	384	370	380	*390
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	321	335	384	370	380	*390
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	284	284	283	283	277	277
Combustible fuels	283	283	283	283	276	276
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	1	0	0	0
Main activity	284	284	283	283	277	277
Combustible fuels	283	283	283	283	276	276
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	1	1	1	0	0	0
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	3523	2861	4236	4054	4494	4636
<b>Total input</b>	3523	2861	4236	4054	4494	4636
<b>Total production</b>	1538	1622	1855	1809	1829	*1872
<b>Estimated efficiency (% of production to input)</b>	44	57	44	45	41	40

## Statistics on electricity

### Togo

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	804	588	718	699	618	821
Combustible fuels	595	389	476	547	482	651
Hydro	207	196	236	144	86	78
Nuclear	..	..	..	..	..	..
Other	3	3	6	8	51	91
Main activity	798	581	706	688	610	812
Combustible fuels	591	385	469	543	480	650
Hydro	207	196	236	144	86	78
Nuclear	..	..	..	..	..	..
Other	..	..	0	1	45	84
Own use in electricity, CHP and heat plants	50	15	19	18	12	13
Net production	754	573	700	681	606	808
Imports	846	1076	837	815	1071	1126
Exports	104	192	118	..	..	..
Losses	171	197	98	95	255	202
Consumption	1322	1239	1328	1378	1419	1727
Energy industries own use	..	..	..	..	..	..
By industry and construction	630	604	628	642	221	452
By transport	..	..	..	..	..	..
By households and other cons.	692	635	701	737	1198	1276
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	227	227	230	*259	*317	*358
Combustible fuels	158	157	158	*185	*193	*225
Hydro	67	67	67	67	67	67
Nuclear	..	..	..	..	..	..
Other	3	4	5	7	57	*66
Main activity	217	216	217	*244	*252	*284
Combustible fuels	150	149	150	*177	*185	*217
Hydro	67	67	67	67	67	67
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	602	155	3053	258	95	98
Fuel oil	2425	1316	162	4969	2	2
Natural gas	1482	1141	2510	2855	5786	6717
Fuelwood	..	..	43	53	53	16
<b>Total input</b>	4509	2612	5768	8135	5935	6833
<b>Total production</b>	2141	1400	1713	1970	1735	2345
<b>Estimated efficiency (% of production to input)</b>	47	54	30	24	29	34



**Statistics on electricity**
**Tonga**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	67	66	71	73	75	77
Combustible fuels	61	62	64	64	66	70
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	4	6	9	9	7
Main activity	67	66	71	73	75	77
Combustible fuels	61	62	64	64	66	70
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	4	6	9	9	7
Own use in electricity, CHP and heat plants	2	2	2	2	2	2
Net production	65	64	69	71	73	75
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	6	6	6	6	6	6
Consumption	*59	*58	*63	*65	*67	*70
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*59	*58	*63	*65	*67	*70
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	24	24	25	*25	*26	33
Combustible fuels	18	18	18	*18	*18	18
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	7	8	8	16
Main activity	24	24	25	*25	*26	33
Combustible fuels	18	18	18	*18	*18	18
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	6	7	8	8	16
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*550	*555	*576	*576	*598	*624
<b>Total input</b>	*550	*555	*576	*576	*598	*624
<b>Total production</b>	221	221	231	230	239	252
<b>Estimated efficiency (% of production to input)</b>	40	40	40	40	40	40

**Statistics on electricity**
**Trinidad and Tobago**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	9323	9225	9188	9225	9262	9577
Combustible fuels	9318	9220	9183	9220	9256	9571
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	5	5	5	6	*6
Main activity	9241	9149	9112	9149	9185	9499
Combustible fuels	9236	9144	9108	9144	9180	9493
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	6	5	5	5	6	*6
Own use in electricity, CHP and heat plants	339	336	335	336	337	472
Net production	8984	8889	8853	8889	8924	9106
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	275	426	424	423	421	*450
Consumption	8709	8463	8429	8463	8497	8656
Energy industries own use	..	..	..	..	..	..
By industry and construction	5265	5116	5096	5116	5137	5264
By transport	..	..	..	..	..	..
By households and other cons.	3444	3347	3333	3347	3360	3392
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2509	2156	2118	2517	2134	2134
Combustible fuels	2506	2153	2115	2513	2130	2130
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	4	4	4
Main activity	2405	2049	2022	2421	2036	2036
Combustible fuels	2402	2046	2019	2417	2032	2032
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	3	3	4	4	4
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	294	300	317	318	318	320
Other oil products	158	..	..	..	..	..
Natural gas	101416	97392	102221	95641	99806	105663
<b>Total input</b>	101868	97692	102538	95958	100124	105983
<b>Total production</b>	33543	33193	33060	33193	33322	34457
<b>Estimated efficiency (% of production to input)</b>	33	34	32	35	33	33

## Statistics on electricity

### Tunisia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	20522	20922	22014	21449	21890	21422
Combustible fuels	19758	20085	21038	20572	20999	20552
Hydro	17	17	66	46	28	15
Nuclear	..	..	..	..	..	..
Other	747	820	910	831	863	855
Main activity	19402	19545	20549	20039	20391	19801
Combustible fuels	18936	19075	19983	19527	19925	19433
Hydro	17	17	66	46	28	15
Nuclear	..	..	..	..	..	..
Other	449	453	500	465	437	353
Own use in electricity, CHP and heat plants	428	456	471	543	468	447
Net production	20094	20466	21543	20907	21423	20975
Imports	450	382	472	369	1331	2726
Exports	483	484	631	969	302	154
Losses	3507	3584	3641	3725	4610	4658
Consumption	16527	16789	17704	16619	17781	18810
Energy industries own use	429	375	391	350	335	333
By industry and construction	5389	5737	5743	5288	5791	5886
By transport	94	99	94	82	67	67
By households and other cons.	10615	10578	11476	10899	11588	12524
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	5085	4840	5926	6237	6288	6604
Combustible fuels	4734	4474	5539	5820	5822	5888
Hydro	62	62	62	62	62	62
Nuclear	..	..	..	..	..	..
Other	289	304	325	355	404	654
Main activity	4838	4578	5653	5934	5944	6210
Combustible fuels	4536	4276	5341	5622	5622	5688
Hydro	62	62	62	62	62	62
Nuclear	..	..	..	..	..	..
Other	240	240	250	250	260	460
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	37	32	29	232	22	21
Fuel oil	727	808	549	492	548	513
Natural gas	173384	176826	185286	180310	183906	169105
<b>Total input</b>	174149	177666	185864	181034	184477	169639
<b>Total production</b>	71129	72306	75737	74059	75597	73987
<b>Estimated efficiency (% of production to input)</b>	41	41	41	41	41	44

**Statistics on electricity**
**Türkiye**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	297278	304802	303898	306703	334723	328379
Combustible fuels	211290	208733	174041	181526	221312	197261
Hydro	58218	59938	88823	78094	55927	66802
Nuclear	..	..	..	..	..	..
Other	27769	36130	41034	47083	57484	64316
Main activity	276993	284884	280964	281027	304617	302789
Combustible fuels	193609	192399	155443	160684	195992	178321
Hydro	57252	58865	87540	77068	55889	66755
Nuclear	..	..	..	..	..	..
Other	26133	33620	37980	43274	52736	57712
Own use in electricity, CHP and heat plants	13020	14300	14762	14039	15183	15462
Net production	284258	290502	289136	292664	319540	312918
Imports	2728	2477	2212	1890	2334	6439
Exports	3304	3112	2789	2484	4186	3713
Losses	34659	31635	31285	29368	30997	29067
Consumption	249023	258232	257273	262702	286691	286576
Energy industries own use	3267	3298	4066	3977	4104	4296
By industry and construction	113215	114414	111610	116050	133285	129042
By transport	1247	1350	1578	1436	1571	1790
By households and other cons.	131293	139170	140020	141239	147731	151449
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	85200	88551	91267	95891	99820	103809
Combustible fuels	46762	46712	47284	47396	47820	49291
Hydro	27273	28291	28503	30984	31493	31571
Nuclear	..	..	..	..	..	..
Other	11165	13548	15480	17510	20507	22947
Main activity	79011	82113	83679	87817	91664	94642
Combustible fuels	42345	42262	42062	42113	42457	43841
Hydro	26722	27740	27951	30426	31478	31558
Nuclear	..	..	..	..	..	..
Other	9944	12112	13666	15278	17729	19243
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	518543	612465	609747	617633	559788	628955
Brown Coal	550750	587461	617324	499674	587673	630892
Biogas	17569	20496	24824	28029	37659	41908
Fuel oil	5010	2815	3738	4395	3351	5036
Petroleum coke	..	..	..	..	..	8288
Natural gas	805752	662079	425807	516229	784712	536340
Coke-oven gas	10686	11457	9757	9488	8306	7407
Blast furnace gas	25637	21013	20009	20297	21612	19521
Fuelwood	*3288	*6269	*11765	*20367	*31575	*39357
Municipal waste	..	171	436	364	4382	9019
Others	7532	2289	427	504	625	724
<b>Total input</b>	1944765	1926516	1723833	1716981	2039685	1927447
<b>Total production</b>	760644	751440	626548	653493	796724	710138
<b>Estimated efficiency (% of production to input)</b>	39	39	36	38	39	37

## Statistics on electricity

### Turkmenistan

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	23897	25364	22500	25763	28400	32600
Combustible fuels	23893	25361	22497	25759	28394	32594
Hydro	3	3	3	3	6	6
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	23897	25364	22500	25763	28400	32600
Combustible fuels	23893	25361	22497	25759	28394	32594
Hydro	3	3	3	3	6	6
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	1806	1917	1700	1947	2146	2464
Net production	22091	23447	20800	23816	26254	30136
Imports	..	..	..	..	..	..
Exports	3395	3603	1731	4444	6479	9000
Losses	3066	3254	3235	3119	3063	3144
Consumption	15630	16590	15834	16253	16712	17992
Energy industries own use	2399	2546	2430	2495	2565	2762
By industry and construction	4775	5068	4837	4965	5105	5496
By transport	344	365	349	358	368	396
By households and other cons.	8112	8610	8218	8435	8674	9338
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4937	6511	6511	6511	6511	6511
Combustible fuels	4935	6510	6510	6510	6510	6510
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	4937	6511	6511	6511	6511	6511
Combustible fuels	4935	6510	6510	6510	6510	6510
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Natural gas	410755	427994	392556	357975	431617	510137
<b>Total input</b>	410755	427994	392556	357975	431617	510137
<b>Total production</b>	86016	91299	80989	92734	102219	117339
<b>Estimated efficiency (% of production to input)</b>	21	21	21	26	24	23

Statistics on electricity

Turks and Caicos Islands

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*293	*258	*261	*256	*267	*265
Combustible fuels	*293	*257	*260	*255	*263	*261
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	4	*4
Main activity	*293	*258	*261	*256	*267	*265
Combustible fuels	*293	*257	*260	*255	*263	*261
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	1	1	1	4	*4
Own use in electricity, CHP and heat plants	*3	*9	*7	*7	*9	*7
Net production	*290	*249	*254	*249	*257	*259
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*10	*13	*13	*13	*14	*13
Consumption	284	237	*241	*237	*244	*246
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	284	237	*241	*237	*244	*246
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	82	84	91	91	92	*93
Combustible fuels	82	84	90	90	90	*90
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	3	3
Main activity	82	84	91	91	92	*93
Combustible fuels	82	84	90	90	90	*90
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	0	0	1	1	3	3
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*2666	*2774	*2855	*2817	*2872	*2860
<b>Total input</b>	*2666	*2774	*2855	*2817	*2872	*2860
<b>Total production</b>	*1055	*925	*935	*918	*946	*941
<b>Estimated efficiency (% of production to input)</b>	40	33	33	33	33	33

## Statistics on electricity

### Tuvalu

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	8	9	9	*10	*10	*10
Combustible fuels	6	7	7	*8	*8	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	*2
Main activity	8	9	9	*10	*10	*10
Combustible fuels	6	7	7	*8	*8	*8
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	2	2	*2
Own use in electricity, CHP and heat plants	1	1	1	0	*2	*2
Net production	7	8	8	*9	*8	*8
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*1	*1	*1	*1	*1	*1
Consumption	7	7	7	9	*7	*7
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	7	7	7	9	*7	*7
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*5	5	7	7	7	7
Combustible fuels	*3	3	*3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	4	4	4	4
Main activity	*5	5	7	7	7	7
Combustible fuels	*3	3	*3	*3	*3	*3
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	4	4	4	4
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	62	69	77	82	*83	*83
<b>Total input</b>	62	69	77	82	*83	*83
<b>Total production</b>	23	24	25	*29	*29	*30
<b>Estimated efficiency (% of production to input)</b>	36	36	33	35	35	36

## Statistics on electricity

### Uganda

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	3854	4040	4364	4447	4769	5502
Combustible fuels	381	405	300	246	334	438
Hydro	3447	3602	3986	4083	4334	4965
Nuclear	..	..	..	..	..	..
Other	25	32	78	118	101	99
Main activity	3440	3389	3687	3635	3856	4370
Combustible fuels	231	199	103	58	52	75
Hydro	3183	3158	3506	3459	3703	4196
Nuclear	..	..	..	..	..	..
Other	25	32	78	118	101	99
Own use in electricity, CHP and heat plants	0	0	12	43	55	51
Net production	3854	4040	4352	4404	4714	5451
Imports	65	84	104	21	24	*22
Exports	317	233	299	222	393	*309
Losses	755	789	814	768	1034	*1221
Consumption	2802	3067	3233	3269	3581	*3943
Energy industries own use	..	..	..	..	..	..
By industry and construction	1805	2012	2163	2178	2401	*2618
By transport	..	..	..	..	..	..
By households and other cons.	997	1055	1070	1091	1180	1325
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	912	984	1255	1270	1349	1387
Combustible fuels	178	198	199	197	214	228
Hydro	712	744	1004	1011	1074	1095
Nuclear	..	..	..	..	..	..
Other	22	42	52	62	62	64
Main activity	752	772	1007	1023	1103	1074
Combustible fuels	102	102	102	101	118	116
Hydro	630	630	855	862	925	896
Nuclear	..	..	..	..	..	..
Other	21	41	51	61	61	62
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Fuel oil	*3515	3015	978	634	571	*852
Bagasse	*3050	*4255	*4726	3739	5275	*6525
<b>Total input</b>	*6565	*7269	*5704	4373	5846	*7378
<b>Total production</b>	1371	1459	1079	887	1203	1577
<b>Estimated efficiency (% of production to input)</b>	21	20	19	20	21	21



## Statistics on electricity

### Ukraine

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	156037	159833	154141	148408	157915	113394
Combustible fuels	58173	61104	58201	55258	51835	34349
Hydro	10520	12007	7855	7564	10333	10905
Nuclear	85576	84398	83003	76203	86206	62069
Other	1768	2324	5082	9384	9541	6072
Main activity	152061	157175	151880	145080	154508	110979
Combustible fuels	54274	58493	56077	52097	48597	32008
Hydro	10516	12005	7855	7564	10333	10905
Nuclear	85576	84398	83003	76203	86206	62069
Other	1695	2279	4944	9217	9372	5998
Own use in electricity, CHP and heat plants	11131	12740	11608	11211	7872	7919
Net production	144906	147093	142533	137197	150042	105474
Imports	50	32	2238	2720	1458	4101
Exports	5226	6099	6283	5139	3497	6100
Losses	16787	16996	16434	15445	15662	11220
Consumption	122943	124030	121566	118509	124341	85290
Energy industries own use	5577	5377	4877	4999	5661	4803
By industry and construction	50235	51727	48592	45888	47978	26388
By transport	7044	6951	6603	5713	5973	3984
By households and other cons.	60087	59975	61494	61910	64729	50116
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	52764	51508	51444	58257	56312	42294
Combustible fuels	31492	29753	28535	30739	28664	16564
Hydro	6213	6243	6325	4819	6335	4835
Nuclear	13835	13835	13835	13835	13835	13835
Other	1224	1677	2749	8864	7478	7060
Main activity	50499	49369	49273	56051	53971	39949
Combustible fuels	29265	27662	26464	28664	26525	14425
Hydro	6206	6238	6325	4819	6331	4831
Nuclear	13835	13835	13835	13835	13835	13835
Other	1193	1634	2649	8733	7280	6858
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	596334	634191	584784	486913	447733	280415
Biogas	865	1565	1768	3622	3622	3622
Gas-diesel oil	430	559	387	430	455	296
Fuel oil	21210	6989	1899	2101	1472	985
Other oil products	925	4543	4273	1005	864	587
Natural gas	145990	178481	165157	197829	199880	135350
Coke-oven gas	14391	15911	14515	16884	18497	12578
Blast furnace gas	26744	28839	24685	23428	24093	16383
Fuelwood	0	0	0	6889	*6889	*4648
Peat products	195	156	88	117	163	111
Others	47	47	24	26	26	18
<b>Total input</b>	807131	871281	797580	739244	703695	454992
<b>Total production</b>	209423	219974	209524	198928	186605	123655
<b>Estimated efficiency (% of production to input)</b>	26	25	26	27	27	27

**Statistics on electricity**
**United Arab Emirates**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*134569	*136014	*138454	*137310	149053	156120
Combustible fuels	*133835	*134711	*134674	*131835	133234	127781
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	10067	20596
Other	734	1303	3780	5475	5752	7743
Main activity	*134569	*136014	*138454	*137310	149053	156120
Combustible fuels	*133835	*134711	*134674	*131835	133234	127781
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	10067	20596
Other	734	1303	3780	5475	5752	7743
Own use in electricity, CHP and heat plants	*11718	*11715	*11502	*12057	12748	14166
Net production	*122851	*124299	*126952	*125253	136305	141955
Imports	514	488	245	206	868	504
Exports	617	517	257	235	657	613
Losses	11718	8436	7011	7030	7277	7349
Consumption	114485	116390	119941	118223	129028	134606
Energy industries own use	..	..	..	..	..	..
By industry and construction	10011	10499	10406	19561	20339	23132
By transport	..	..	..	..	..	..
By households and other cons.	104475	105890	109535	98663	108689	111473
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	30371	*30934	*33042	36291	37068	37901
Combustible fuels	30048	*30349	*31287	32846	33106	32049
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	1390	1390	2780
Other	323	585	1755	2055	2572	3072
Main activity	30371	*30934	*33042	36291	37068	37901
Combustible fuels	30048	*30349	*31287	32846	33106	32049
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	1390	1390	2780
Other	323	585	1755	2055	2572	3072
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	22747	24394	6401	5926	6995	6837
Fuel oil	*2141	*2182	2133	2100	2203	2262
Natural gas	1383323	1384793	1370949	1332727	1338665	1332727
Municipal waste	..	374	96	30	238	532
<b>Total input</b>	1408211	1411742	1379580	1340783	1348100	1342359
<b>Total production</b>	*481806	*484960	*484827	*474606	479643	460012
<b>Estimated efficiency (% of production to input)</b>	34	34	35	35	36	34

**Statistics on electricity**
**United Kingdom**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	337429	332493	323391	310467	307810	324085
Combustible fuels	197236	189819	183202	163845	177796	175020
Hydro	8754	7942	7689	8408	7292	7632
Nuclear	70336	65064	56184	50278	45904	47723
Other	61103	69669	76316	87936	76817	93710
Main activity	282740	275131	262497	249894	249084	262702
Combustible fuels	161420	152230	141384	122694	136024	132914
Hydro	7051	6299	5946	6537	5610	5886
Nuclear	70336	65064	56184	50278	45904	47723
Other	43932	51538	58983	70385	61545	76179
Own use in electricity, CHP and heat plants	16580	12681	11612	10911	10015	9829
Net production	320849	319812	311779	299557	297794	314256
Imports	18167	21332	24556	22391	28743	15451
Exports	3407	2225	3385	4481	4166	20793
Losses	26835	26661	26371	26496	26171	25658
Consumption	308958	311248	307478	292270	294851	282728
Energy industries own use	10971	10386	9321	9061	8143	8466
By industry and construction	90462	92131	92701	84751	87654	85103
By transport	5017	5665	6142	5975	7100	8439
By households and other cons.	202508	203065	199313	192483	191954	180719
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	104858	108037	104633	104237	104596	106870
Combustible fuels	56886	57694	51699	50507	50598	51013
Hydro	4770	4777	4780	4785	4790	4790
Nuclear	9261	9261	9261	9261	7833	5883
Other	33942	36305	38894	39684	41375	45184
Main activity	78872	81511	78010	77912	77648	78917
Combustible fuels	45691	46128	39831	38491	38329	38475
Hydro	4299	4301	4301	4298	4299	4299
Nuclear	9261	9261	9261	9261	7833	5883
Other	19621	21821	24618	25861	27187	30260
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	229993	174276	78131	63967	72901	60289
Biogas	97938	95731	69431	68524	69692	68524
Refinery gas	13053	9298	6485	6633	11435	12821
Natural gas	1029713	985602	983081	837335	915775	929178
Blast furnace gas	18055	16907	15029	15029	14907	16375
Fuelwood	*117495	*137729	*156026	*163842	*171688	*142058
Animal waste	*3977	*3395	*3869	*3944	*3696	*4049
Vegetal waste	*36694	*40799	*40669	*41094	*46007	*44455
Municipal waste	69686	80632	89816	92020	96376	95980
Industrial waste	4773	4449	3613	3902	3637	3814
Others	12440	12978	10428	10046	10184	9029
<b>Total input</b>	1633817	1561796	1456577	1306335	1416297	1386572
<b>Total production</b>	710051	683347	659527	589842	640065	630072
<b>Estimated efficiency (% of production to input)</b>	43	44	45	45	45	45

**Statistics on electricity**
**United Rep. of Tanzania**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	7062	7320	7775	7834	8650	9626
Combustible fuels	4688	5055	5270	4664	5533	6775
Hydro	2350	2234	2477	3139	3086	2821
Nuclear	..	..	..	..	..	..
Other	24	31	27	31	31	31
Main activity	7030	7282	7739	7795	8612	9587
Combustible fuels	4681	5047	5262	4656	5525	6767
Hydro	2350	2234	2477	3139	3086	2821
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	141	146	155	157	173	193
Net production	6921	7173	7619	7677	8477	9433
Imports	106	118	113	114	129	152
Exports	..	..	..	..	..	..
Losses	1159	1064	1086	1110	1182	1787
Consumption	5909	6270	6619	6545	7245	7687
Energy industries own use	32	38	35	39	39	39
By industry and construction	1535	1546	1550	1451	1571	1636
By transport	..	..	..	..	..	..
By households and other cons.	4342	4685	5034	5055	5635	6012
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1412	1607	1530	*1608	*1738	*1815
Combustible fuels	829	1015	931	*1000	*1126	*1202
Hydro	562	567	574	574	575	575
Nuclear	..	..	..	..	..	..
Other	22	25	26	*35	37	38
Main activity	1358	1396	1318	*1394	*1515	*1579
Combustible fuels	796	829	745	*818	*938	*1002
Hydro	562	567	574	574	575	575
Nuclear	..	..	..	..	..	..
Other	..	..	..	2	2	2
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	2887	423	754	747	763	222
Fuel oil	754	1222	..	..	191	..
Natural gas	43220	48695	51142	45091	53632	66769
Bagasse	1297	1297	1296	1323	1323	*1323
<b>Total input</b>	48158	51637	53192	47162	55909	68314
<b>Total production</b>	16878	18196	18972	16791	19920	24389
<b>Estimated efficiency (% of production to input)</b>	35	35	36	36	36	36

## Statistics on electricity

### United States

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	4286429	4455439	4391761	4260044	4374676	4495368
Combustible fuels	2770054	2912041	2818743	2643838	2731127	2762666
Hydro	325114	317004	310571	308213	274096	279067
Nuclear	838861	841329	843330	823150	811551	803669
Other	352399	385065	419116	484843	557901	649966
Main activity	4100488	4262168	4192264	4059965	4173511	4283684
Combustible fuels	2608106	2746063	2650495	2479922	2571318	2598652
Hydro	323458	315587	309332	306981	272878	277883
Nuclear	838861	841329	843330	823150	811551	803669
Other	330062	359190	389106	449912	517762	603481
Own use in electricity, CHP and heat plants	200426	218511	196187	179320	187228	176724
Net production	4086003	4236927	4195573	4080724	4187449	4318644
Imports	65685	58261	59052	61449	53167	56970
Exports	9371	13804	20008	14135	13855	15758
Losses	226114	211136	244112	197969	244112	204989
Consumption	3916203	4070248	3990506	3930069	3982648	4154867
Energy industries own use	160087	169372	160554	152279	144440	148659
By industry and construction	778435	772827	748851	710300	838638	844692
By transport	11089	12283	13838	10248	12805	16739
By households and other cons.	2966591	3115765	3067264	3057242	2986766	3144778
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	1100333	1119130	1127771	1147892	1180315	1198174
Combustible fuels	762764	767009	758592	750146	750174	742008
Hydro	102703	102800	102650	103039	103016	103202
Nuclear	99629	99433	98119	96501	95546	94659
Other	135236	149888	168410	198207	231579	258306
Main activity	1052995	1067930	1072930	1087879	1114699	1125438
Combustible fuels	733659	737457	729097	720113	719902	711335
Hydro	102346	102517	102360	102750	102717	102906
Nuclear	99629	99433	98119	96501	95546	94659
Other	117362	128524	143353	168515	196534	216538
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	6008203	5511906	4657978	3734918	4427459	3880628
Brown Coal	6992253	6938984	5868905	4750348	5427114	5264662
Biogas	151529	148717	141641	138182	126401	114478
Gas-diesel oil	60948	106759	86805	87120	87779	105808
Fuel oil	64365	112053	97470	113847	108207	151809
Petroleum coke	106612	109908	83524	94826	94450	91402
Natural gas	10770702	12277185	13124962	13449542	13014661	13934267
Fuelwood	*283658	*279490	*258291	*239119	*244101	*244266
Municipal waste	270064	275832	268342	267803	266266	248292
Black liquor	*127622	*119148	*110404	*107557	*109799	*104873
Others	139868	156240	148833	134488	143651	125473
<b>Total input</b>	24975824	26036221	24847157	23117749	24049889	24265960
<b>Total production</b>	9972194	10483349	10147476	9517816	9832058	9945598
<b>Estimated efficiency (% of production to input)</b>	40	40	41	41	41	41

Statistics on electricity

United States Virgin Is.

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	537	625	637	666	710	692
Combustible fuels	516	596	605	635	675	658
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*21	29	*32	*32	*34	35
Main activity	524	611	620	649	693	675
Combustible fuels	516	596	605	635	675	658
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	8	15	15	14	17	18
Own use in electricity, CHP and heat plants	0	0	0	0	*1	*1
Net production	537	624	636	666	709	692
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*45	*58	*57	*60	*65	*66
Consumption	*492	*567	*579	*606	*644	*626
Energy industries own use	..	..	..	..	..	..
By industry and construction	*210	*242	*246	*261	*277	*279
By transport	..	..	..	..	..	..
By households and other cons.	*282	*325	*333	*346	*367	*347
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	336	341	*341	*342	*343	*343
Combustible fuels	316	316	*316	*316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*20	*25	*25	*26	*27	*27
Main activity	321	326	*326	*326	*326	*326
Combustible fuels	316	316	*316	*316	*316	*316
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	5	10	10	10	10	10
<b>Combustible fuel input</b>	<b>Terajoules</b>					
<b>Total input</b>	..	..	..	..	..	..
<b>Total production</b>	1858	2146	2178	2285	2432	2367
<b>Estimated efficiency (% of production to input)</b>	..	..	..	..	..	..

## Statistics on electricity

### Uruguay

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	14363	14623	16090	13557	15953	14759
Combustible fuels	2802	2921	2806	3526	5206	3787
Hydro	7518	6557	8108	4094	5273	5686
Nuclear	..	..	..	..	..	..
Other	4043	5146	5176	5938	5475	5286
Main activity	12713	12857	14388	11825	14185	13170
Combustible fuels	1167	1177	1138	1833	3483	2256
Hydro	7518	6557	8108	4094	5273	5686
Nuclear	..	..	..	..	..	..
Other	4028	5123	5142	5898	5429	5228
Own use in electricity, CHP and heat plants	350	431	436	445	402	371
Net production	14014	14192	15654	13112	15552	14387
Imports	3	14	0	515	55	84
Exports	1462	1195	3011	1148	2844	1416
Losses	1437	1557	1322	1129	1234	1307
Consumption	11163	11570	11439	11458	11645	11858
Energy industries own use	44	117	118	111	116	110
By industry and construction	3573	3734	3639	3577	3664	3530
By transport	0	1	1	3	4	7
By households and other cons.	7546	7718	7681	7768	7860	8211
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	4537	4902	4901	4905	4914	4929
Combustible fuels	1243	1603	1593	1593	1593	1594
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	1756	1762	1770	1774	1783	1797
Main activity	4069	4432	4423	4423	4423	4423
Combustible fuels	826	1186	1176	1176	1176	1176
Hydro	1538	1538	1538	1538	1538	1538
Nuclear	..	..	..	..	..	..
Other	1705	1708	1709	1710	1710	1710
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	1617	2894	1299	6054	16680	9353
Fuel oil	570	1244	404	1107	2541	1374
Natural gas	365	113	1106	0	67	0
Fuelwood	64	116	87	78	96	78
Bagasse	86	88	104	122	105	143
Vegetal waste	2339	2826	1801	3105	3564	3300
Black liquor	10303	9942	9999	10591	10655	9261
<b>Total input</b>	15343	17223	14800	21057	33708	23507
<b>Total production</b>	10088	10515	10102	12692	18741	13633
<b>Estimated efficiency (% of production to input)</b>	66	61	68	60	56	58

**Statistics on electricity**
**Uzbekistan**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	60323	62408	63021	66516	71414	74268
Combustible fuels	52393	56510	56544	61502	66391	67348
Hydro	7930	5897	6462	4999	4972	6484
Nuclear	..	..	..	..	..	..
Other	1	0	16	16	50	436
Main activity	60323	62408	63021	66516	71117	73960
Combustible fuels	52393	56510	56544	61502	66094	67040
Hydro	7930	5897	6462	4999	4972	6484
Nuclear	..	..	..	..	..	..
Other	1	0	16	16	50	436
Own use in electricity, CHP and heat plants	820	2335	4046	2257	1750	1696
Net production	59503	60073	58975	64259	69664	72572
Imports	6945	2233	3379	5207	6232	4977
Exports	7585	2627	2067	2687	2644	2703
Losses	*3524	968	845	9975	10682	3380
Consumption	50350	53514	54175	51951	57823	58427
Energy industries own use	..	..	..	..	2191	1805
By industry and construction	22623	15422	17382	19732	20249	22396
By transport	1222	1475	2115	1058	1122	1401
By households and other cons.	26504	36618	34678	31161	34260	32824
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	14378	15046	16798	17502	16699	17711
Combustible fuels	12516	12276	14032	14620	14543	15232
Hydro	1858	1915	1908	2023	2052	2225
Nuclear	..	..	..	..	..	..
Other	4	*854	*859	*859	104	253
Main activity	14378	15046	16798	17502	16596	17711
Combustible fuels	12516	12276	14032	14620	14440	15232
Hydro	1858	1915	1908	2023	2052	2225
Nuclear	..	..	..	..	..	..
Other	4	*854	*859	*859	104	253
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	1552	2325	892	9030	13354	18565
Brown Coal	45679	46161	51683	*57643	*46136	48407
Gas-diesel oil	39	39	61	64	59	66
Fuel oil	3681	5329	8313	5715	*7506	9996
Natural gas	484477	497192	514742	507855	690095	603101
<b>Total input</b>	535428	551045	575691	580307	757149	680134
<b>Total production</b>	188614	203437	203557	221405	239008	242452
<b>Estimated efficiency (% of production to input)</b>	35	37	35	38	32	36



## Statistics on electricity

### Vanuatu

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	77	78	80	76	75	79
Combustible fuels	63	63	63	58	59	64
Hydro	7	8	8	8	8	9
Nuclear	..	..	..	..	..	..
Other	7	7	10	9	7	5
Main activity	77	78	80	76	75	79
Combustible fuels	63	63	63	58	59	64
Hydro	7	8	8	8	8	9
Nuclear	..	..	..	..	..	..
Other	7	7	10	9	7	5
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	77	78	80	76	75	79
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	5	6	6	5	4	4
Consumption	75	75	75	69	68	76
Energy industries own use	..	..	..	..	..	..
By industry and construction	28	27	29	25	23	27
By transport	..	..	..	..	..	..
By households and other cons.	47	48	47	44	44	49
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	33	31	33	33	33	33
Combustible fuels	26	24	25	26	26	26
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	6	6	6	6	6	6
Main activity	33	31	33	33	33	33
Combustible fuels	26	24	25	26	26	26
Hydro	1	1	1	1	1	1
Nuclear	..	..	..	..	..	..
Other	6	6	6	6	6	6
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	617	609	621	567	559	613
Other liquid biofuels	0	5	8	8	0	0
<b>Total input</b>	617	614	629	575	559	613
<b>Total production</b>	228	227	227	210	213	232
<b>Estimated efficiency (% of production to input)</b>	37	37	36	37	38	38

**Statistics on electricity**
**Venezuela (Bolivar. Rep.)**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	112241	94248	79676	82471	84730	88504
Combustible fuels	42099	28917	16819	15254	16858	19969
Hydro	70035	65282	62789	67190	67845	68512
Nuclear	..	..	..	..	..	..
Other	106	*49	68	27	26	23
Main activity	110344	92426	78120	81618	83876	87651
Combustible fuels	40208	27099	15267	14405	16009	19120
Hydro	70035	65282	62789	67190	67845	68512
Nuclear	..	..	..	..	..	..
Other	101	*45	63	23	22	19
Own use in electricity, CHP and heat plants	3250	2440	1989	1234	1263	1293
Net production	108991	91808	77687	81237	83467	87212
Imports	0	0	0	0	0	0
Exports	1096	970	152	14	0	0
Losses	32275	16674	17159	*16247	*16693	17921
Consumption	75621	74164	60377	64977	*66774	69293
Energy industries own use	2652	2536	2225	1787	1173	1306
By industry and construction	16627	10164	8068	9400	7412	8462
By transport	235	295	247	245	240	243
By households and other cons.	56106	61169	49837	53544	*57949	59283
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	32382	31667	33338	33117	36360	32227
Combustible fuels	17138	16460	18107	17886	19210	16468
Hydro	15137	15101	15123	15123	17042	15651
Nuclear	..	..	..	..	..	..
Other	107	106	108	108	108	108
Main activity	31370	30656	32325	32104	35347	31214
Combustible fuels	16128	15450	17097	16876	18200	15458
Hydro	15137	15101	15123	15123	17042	15651
Nuclear	..	..	..	..	..	..
Other	105	105	105	105	105	105
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*198716	*161456	*57796	*11739	*12324	*17338
Fuel oil	21731	20885	*36691	*707	2578	*12100
Natural gas	313807	*226721	*142383	140895	142444	146346
Bagasse	*340	*277	*512	*392	*448	*374
<b>Total input</b>	534595	*409340	*237382	153733	157794	176157
<b>Total production</b>	151558	104102	60549	54915	60691	71890
<b>Estimated efficiency (% of production to input)</b>	28	25	26	36	38	41

**Statistics on electricity**
**Viet Nam**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	198499	213199	*232602	240543	253498	276372
Combustible fuels	109354	128576	*142200	156672	143728	143000
Hydro	88875	84205	85097	73461	78633	97894
Nuclear	..	..	..	..	..	..
Other	270	418	5305	10410	31137	35478
Main activity	194217	208917	*228320	231947	244820	267365
Combustible fuels	105154	124376	*138000	148158	135132	134075
Hydro	88795	84125	85017	73381	78553	97814
Nuclear	..	..	..	..	..	..
Other	268	416	5303	10408	31135	35476
Own use in electricity, CHP and heat plants	6906	6759	11878	9598	15295	17742
Net production	191593	206440	*220724	230945	238204	258630
Imports	2352	1722	2401	3067	1403	3257
Exports	1825	733	1311	1555	582	965
Losses	13871	14728	14765	14653	16445	15817
Consumption	174653	192701	207049	215743	223529	225448
Energy industries own use	..	..	..	..	..	..
By industry and construction	95791	106136	111934	115582	121685	118784
By transport	..	..	..	..	..	..
By households and other cons.	78862	86565	95115	100161	101844	106665
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*44334	*44815	57444	78066	82431	85031
Combustible fuels	*25953	*26125	30690	39713	*39713	*39713
Hydro	18161	18341	20678	21169	21934	22209
Nuclear	..	..	..	..	..	..
Other	220	349	6076	17184	20784	23109
Main activity	*38851	*39332	51961	72583	76948	79548
Combustible fuels	*20828	*21000	25565	34588	*34588	*34588
Hydro	17809	17989	20326	20817	21582	21857
Nuclear	..	..	..	..	..	..
Other	214	343	6070	17178	20778	23103
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	561954	684450	1386620	1390254	1342002	1299213
Gas-diesel oil	3526	1548	6837	6794	570	2290
Fuel oil	3798	1172	10868	7030	1585	1025
Natural gas	314848	288261	300319	274608	208455	222941
Fuelwood	1319	36111	37556	39063	49428	54303
<b>Total input</b>	885444	1011542	1742199	1717748	1602040	1579772
<b>Total production</b>	393674	462874	*511920	564018	517422	514800
<b>Estimated efficiency (% of production to input)</b>	44	46	29	33	32	33

**Statistics on electricity**
**Wallis and Futuna Is.**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	*20	*20	*21	*23	*24	*26
Combustible fuels	*19	*20	*20	*23	*24	*26
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	*20	*20	*21	*23	*24	*26
Combustible fuels	*19	*20	*20	*23	*24	*26
Hydro	0	0	0	0	0	0
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Own use in electricity, CHP and heat plants	*2	*1	0	*1	*1	*1
Net production	*17	*19	*20	*22	*23	*25
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	0	0	0	*1	*1	*1
Consumption	*17	*19	*20	*22	*22	*24
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*17	*19	*20	*22	*22	*24
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
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
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	*183	*188	*196	*223	*230	*249
<b>Total input</b>	*183	*188	*196	*223	*230	*249
<b>Total production</b>	*69	*70	*73	*82	*85	*92
<b>Estimated efficiency (% of production to input)</b>	38	37	37	37	37	37

## Statistics on electricity

### Yemen

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	3168	3235	3041	2606	2359	2544
Combustible fuels	2974	2751	2557	2116	1869	2043
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	194	484	484	490	490	502
Main activity	2731	2506	2307	1888	1643	1813
Combustible fuels	2731	2506	2307	1888	1643	1813
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	443	407	374	306	240	216
Net production	2724	2828	2667	2300	2119	2328
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	724	665	612	501	436	481
Consumption	2162	2170	2182	2159	2308	2620
Energy industries own use	..	..	..	..	..	..
By industry and construction	60	55	51	42	13	23
By transport	..	..	..	..	..	..
By households and other cons.	2102	2115	2131	2117	2295	2597
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	*1769	*1769	*1769	*1753	*1758	*1764
Combustible fuels	*1519	*1519	*1519	*1500	*1500	*1500
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*250	*250	250	253	258	264
Main activity	*1402	*1402	*1402	*1383	*1383	*1383
Combustible fuels	*1402	*1402	*1402	*1383	*1383	*1383
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Gas-diesel oil	15634	14444	13412	11050	9731	10658
Fuel oil	15417	14185	13106	10732	9378	10324
Natural gas	12027	802	802	802	802	802
<b>Total input</b>	43077	29431	27320	22584	19911	21784
<b>Total production</b>	10705	9902	9205	7619	6730	7354
<b>Estimated efficiency (% of production to input)</b>	25	34	34	34	34	34

## Statistics on electricity

### Zambia

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	14536	16282	15115	15237	17718	19783
Combustible fuels	2065	2574	2669	2294	1498	2551
Hydro	12471	13706	12329	12793	16073	17089
Nuclear	..	..	..	..	..	..
Other	0	1	118	150	148	143
Main activity	14458	16203	15037	15159	17636	19700
Combustible fuels	1987	2496	2591	2216	1415	2468
Hydro	12471	13706	12329	12793	16073	17089
Nuclear	..	..	..	..	..	..
Other	0	1	118	150	148	143
Own use in electricity, CHP and heat plants	438	408	411	457	536	750
Net production	14098	15873	14704	14780	17182	19033
Imports	753	152	198	130	18	18
Exports	1063	1226	976	1340	2152	3073
Losses	*1607	*1886	*1586	*2067	*2217	*2200
Consumption	12192	12898	12341	11504	12831	13778
Energy industries own use	..	..	..	..	..	..
By industry and construction	7025	7282	7060	6452	6936	7747
By transport	32	33	31	29	32	37
By households and other cons.	5135	5583	5250	5023	5863	5994
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2931	2933	3016	3046	3436	3897
Combustible fuels	532	533	528	558	645	645
Hydro	2398	2398	2399	2399	2703	3163
Nuclear	..	..	..	..	..	..
Other	0	1	89	89	89	89
Main activity	2896	2898	2981	3011	3316	3777
Combustible fuels	498	499	494	524	525	525
Hydro	2398	2398	2399	2399	2703	3163
Nuclear	..	..	..	..	..	..
Other	0	1	89	89	89	89
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	20048	31972	26139	29688	20203	33026
Gas-diesel oil	516	*5160	*8600	*5590	4300	*64
Fuel oil	4808	*6747	*8484	*4363	*1034	0
Bagasse	*1367	*1367	*1367	*1367	*1370	*1370
<b>Total input</b>	26739	45246	44589	41008	26907	34460
<b>Total production</b>	7435	9267	9609	8260	5393	9183
<b>Estimated efficiency (% of production to input)</b>	28	20	22	20	20	27

**Statistics on electricity**
**Zimbabwe**

Item	2017	2018	2019	2020	2021	2022
<b>Production, trade and consumption</b>	<b>Million kilowatt-hours</b>					
Total main activity and autoproducer	7552	9369	8402	6673	8454	9016
Combustible fuels	3583	4320	4236	2843	2508	3103
Hydro	3969	5049	4166	3805	5928	5897
Nuclear	..	..	..	..	..	..
Other	..	..	..	24	18	16
Main activity	7385	9163	8192	6564	8454	8980
Combustible fuels	3416	4114	4026	2734	2508	3068
Hydro	3969	5049	4166	3805	5928	5897
Nuclear	..	..	..	..	..	..
Other	..	..	..	24	18	16
Own use in electricity, CHP and heat plants	143	173	169	114	100	146
Net production	7408	9196	8233	6559	8354	8870
Imports	2569	1177	1612	2337	2194	2304
Exports	351	161	504	355	450	395
Losses	1730	1740	1545	1438	1754	1186
Consumption	7880	8506	8061	7336	8645	9219
Energy industries own use	..	..	..	..	..	..
By industry and construction	3359	3703	3681	3350	3947	4547
By transport	..	..	..	..	..	..
By households and other cons.	4521	4803	4380	3986	4697	4672
<b>Net installed capacity</b>	<b>Thousand kilowatts</b>					
Total main activity and autoproducer	2020	2324	*2357	*2359	*2373	*2386
Combustible fuels	1265	1265	*1265	*1265	*1265	*1265
Hydro	750	1050	1080	1080	1080	1080
Nuclear	..	..	..	..	..	..
Other	5	9	12	14	28	41
Main activity	1975	2279	*2312	*2314	*2328	*2341
Combustible fuels	1220	1220	*1220	*1220	*1220	*1220
Hydro	750	1050	1080	1080	1080	1080
Nuclear	..	..	..	..	..	..
Other	5	9	12	14	28	41
<b>Combustible fuel input</b>	<b>Terajoules</b>					
Hard Coal	52354	56030	51826	39754	40984	43982
Gas-diesel oil	689	2	..	..	..	..
Bagasse	*2180	*2687	*2741	*1423	*3	968
<b>Total input</b>	55223	58720	54567	41177	40987	44949
<b>Total production</b>	12898	15553	15251	10236	9029	11172
<b>Estimated efficiency (% of production to input)</b>	23	26	28	25	22	25