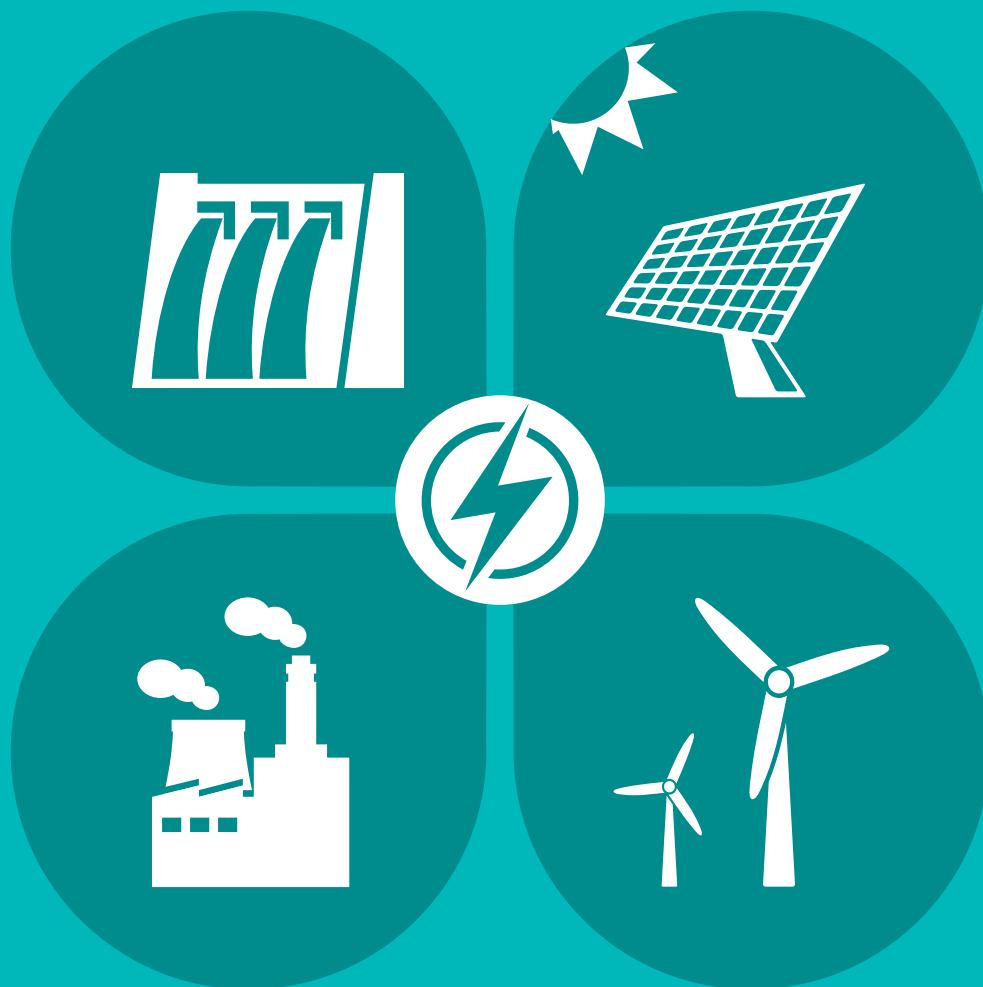


2017

# Electricity Profiles



United Nations

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

# 2017

# Electricity Profiles



United Nations  
New York, 2020

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Statistics compiled as of February 2020

## INTRODUCTION

The *Electricity Profiles 2017* provides detailed information on production, trade and consumption of electricity, on net installed capacity and thermal power plant inputs and efficiency for 224 countries and areas on an internationally comparable basis, for the years 2012-2017. 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 sixth 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), International Sugar Organization (ISO), Organization of Arab Petroleum Exporting Countries (OAPEC), Organization of the Petroleum Exporting Countries (OPEC), Organización Latinoamericana de Energía (OLADE), Statistical Office of the European Union (Eurostat), World Energy Council (WEC). Acknowledgement is also made to governmental, energy and statistical authorities of the Member States which have been cooperative in providing data.

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

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

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

<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/epfiles/](http://unstats.un.org/unsd/energystats/pubs/epfiles/)

# CONCEPTS AND DEFINITIONS

## ELECTRICITY PROFILES

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.

- **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.**

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



## CONCEPTS AND DEFINITIONS

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 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

## CONCEPTS AND DEFINITIONS

- 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.

**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).

## CONCEPTS AND DEFINITIONS

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

| <b>Generation process</b> | <b>Typical plant efficiency</b> |
|---------------------------|---------------------------------|
| 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   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 1022                          | *1022 | *1049 | *1034 | *1076 | *1098 |
| Combustible fuels                                      | 144                           | *218  | *154  | *144  | *150  | *168  |
| Hydro  | 878                           | *804  | *895  | *890  | *927  | *930  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 721                           | *746  | *742  | *729  | *759  | *776  |
| Combustible fuels                                      | 139                           | *213  | *149  | *139  | *145  | *160  |
| Hydro  | 582                           | *533  | *593  | *590  | *614  | *616  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 55                            | *57   | *58   | *60   | *80   | *88   |
| Net production   | 967                           | *965  | *991  | *974  | *996  | *1010 |
| Imports  | 3071                          | 3615  | 3711  | 3779  | 4333  | 4611  |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 404                           | *490  | *500  | *600  | *660  | *710  |
| Consumption  | 3265                          | *3322 | *3767 | *3888 | *4386 | *4515 |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 600                           | *800  | *800  | *900  | *920  | *945  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 2665                          | *2522 | *2967 | *2988 | *3466 | *3570 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 431                           | *431  | *431  | 519   | *519  | *519  |
| Combustible fuels                                      | 115                           | *115  | *115  | *135  | *135  | *135  |
| Hydro  | 316                           | *316  | *316  | 384   | *384  | *384  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 249                           | *249  | *249  | 324   | *324  | *324  |
| Combustible fuels                                      | 60                            | *60   | *60   | *70   | *70   | *70   |
| Hydro  | 189                           | *189  | *189  | 254   | *254  | *254  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | *903                          | *1419 | *1290 | *1264 | *1290 | *1367 |
| Gas-diesel oil   | 860                           | *1075 | *645  | *645  | *860  | *860  |
| Fuel oil   | *40                           | *40   | *40   | *40   | *40   | 40    |
| <b>Total input</b>                                     | *1803                         | *2534 | *1975 | *1950 | *2190 | *2268 |
| <b>Total production</b>                                | 518                           | *786  | *554  | *519  | *539  | *606  |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 31    | 28    | 27    | 25    | 27    |

## Statistics on electricity

### Albania

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 4725                          | 6956 | 4724 | 5895 | 7136 | 4526 |
| Combustible fuels                                      | ..                            | ..   | ..   | ..   | ..   | ..   |
| Hydro  | 4725                          | 6956 | 4724 | 5895 | 7136 | 4526 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 4725                          | 6956 | 4724 | 5895 | 7136 | 4526 |
| Combustible fuels                                      | ..                            | ..   | ..   | ..   | ..   | ..   |
| Hydro  | 4725                          | 6956 | 4724 | 5895 | 7136 | 4526 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 29   | 0    | 28   |
| Net production   | 4725                          | 6956 | 4724 | 5866 | 7136 | 4498 |
| Imports  | 2538                          | 2323 | 3250 | 2355 | 1827 | 2915 |
| Exports  | 0                             | 0    | 183  | 956  | 1869 | 0    |
| Losses   | 1119                          | 1953 | 1119 | 1250 | 1986 | 1276 |
| Consumption  | 6144                          | 7325 | 6672 | 6015 | 5237 | 6135 |
| Energy industries own use                              | 384                           | 433  | 149  | 118  | 141  | 179  |
| By industry and construction                           | 1192                          | 1388 | 1466 | 1245 | 1272 | 1255 |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 4568                          | 5505 | 5057 | 4652 | 3823 | 4701 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 1767                          | 1904 | 1849 | 1922 | 1925 | 2172 |
| Combustible fuels                                      | 123                           | 123  | 123  | 123  | *123 | 123  |
| Hydro  | 1629                          | 1781 | 1726 | 1799 | 1801 | 2048 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 15                            | 0    | 0    | 0    | 1    | 1    |
| Main activity  | 1742                          | 1879 | 1824 | 1897 | 1900 | 2147 |
| Combustible fuels                                      | 98                            | 98   | 98   | 98   | *98  | 98   |
| Hydro  | 1629                          | 1781 | 1726 | 1799 | 1801 | 2048 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 15                            | 0    | 0    | 0    | 1    | 1    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Refinery gas   | 0                             | 0    | 0    | 0    | 0    | 0    |
| Other oil products                                     | 0                             | 0    | 0    | 0    | 0    | 0    |
| <b>Total input</b>                                     | 0                             | 0    | 0    | 0    | 0    | 0    |
| <b>Total production</b>                                | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Estimated efficiency (% of production to input)</b> | ..                            | ..   | ..   | ..   | ..   | ..   |



**Statistics on electricity**
**Algeria**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 57397                         | 59890  | 64242  | 68798  | 70839  | 76018  |
| Combustible fuels                                      | 56775                         | 59560  | 63988  | 68576  | 70661  | 75383  |
| Hydro  | 622                           | 330    | 254    | 145    | 145    | *517   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | 77     | 33     | *118   |
| Main activity  | 54086                         | 56148  | 60500  | 64663  | 66075  | 70898  |
| Combustible fuels                                      | 53464                         | 55818  | 60246  | 64441  | 65897  | 70263  |
| Hydro  | 622                           | 330    | 254    | 145    | 145    | *517   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | 77     | 33     | *118   |
| Own use in electricity, CHP and heat plants            | 4753                          | 4873   | 6549   | 6586   | 6807   | 7473   |
| Net production   | 52644                         | 55017  | 57693  | 62212  | 64032  | 68545  |
| Imports  | 936                           | 295    | 686    | 610    | 257    | 537    |
| Exports  | 985                           | 384    | 877    | 641    | 507    | 880    |
| Losses   | 11068                         | 11023  | 11003  | 11196  | 10682  | 10869  |
| Consumption  | 41527                         | 43908  | 46499  | 50985  | 53100  | 57333  |
| Energy industries own use                              | 750                           | 750    | 748    | 832    | 812    | 957    |
| By industry and construction                           | 14961                         | 15670  | 16020  | 17441  | 18574  | 20181  |
| By transport   | 783                           | 796    | 867    | 974    | 1014   | 1069   |
| By households and other cons.                          | 25033                         | 26692  | 28864  | 31738  | 32700  | 35126  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 12950                         | 15098  | *16199 | 17239  | 19006  | 19474  |
| Combustible fuels                                      | 12722                         | 14870  | *15971 | 16961  | 18549  | 18892  |
| Hydro  | 228                           | 228    | 228    | 228    | 228    | 228    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | 50     | 229    | 354    |
| Main activity  | 9698                          | 10784  | *11885 | 12925  | 14692  | 15160  |
| Combustible fuels                                      | 9470                          | 10556  | *11657 | 12647  | 14235  | 14578  |
| Hydro  | 228                           | 228    | 228    | 228    | 228    | 228    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | 50     | 229    | 354    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | 15093                         | 15265  | 15695  | 18103  | 17544  | 9761   |
| Natural gas  | 590449                        | 573653 | 623247 | 701791 | 680994 | 722981 |
| <b>Total input</b>                                     | 605542                        | 588918 | 638942 | 719894 | 698538 | 732742 |
| <b>Total production</b>                                | 204390                        | 214416 | 230357 | 246874 | 254380 | 271379 |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 36     | 36     | 34     | 36     | 37     |

Statistics on electricity

American Samoa

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 157                           | *156 | 155  | 161  | *170 | *171 |
| Combustible fuels                                      | 156                           | *155 | 152  | 159  | *167 | *168 |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | *1   | 2    | 2    | 3    | *3   |
| Main activity  | 157                           | *156 | 155  | 161  | *170 | *171 |
| Combustible fuels                                      | 156                           | *155 | 152  | 159  | *167 | *168 |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | *1   | 2    | 2    | 3    | *3   |
| Own use in electricity, CHP and heat plants            | 8                             | *7   | 7    | 7    | *8   | *6   |
| Net production   | 149                           | *149 | 147  | 154  | *161 | *165 |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 15                            | 14   | 13   | 13   | 14   | *15  |
| Consumption  | 134                           | 136  | 135  | 137  | 148  | *150 |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 23                            | 23   | 23   | 22   | 32   | *32  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 112                           | 112  | 112  | 115  | 117  | *118 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *42                           | *42  | 44   | *45  | *45  | *45  |
| Combustible fuels                                      | *41                           | *41  | 41   | *42  | *42  | *42  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | *1   | *3   | 3    | *3   | *3   |
| Main activity  | *42                           | *42  | 44   | *45  | *45  | *45  |
| Combustible fuels                                      | *41                           | *41  | 41   | *42  | *42  | *42  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | *1   | *3   | 3    | *3   | *3   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 1565                          | 1544 | 1514 | 1574 | 1694 | 1720 |
| <b>Total input</b>                                     | 1565                          | 1544 | 1514 | 1574 | 1694 | 1720 |
| <b>Total production</b>                                | 560                           | *559 | 548  | 572  | *600 | *605 |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 36   | 36   | 36   | 35   | 35   |

## Statistics on electricity

### Andorra

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 88                            | 115  | 127  | 99   | 99   | *106 |
| Combustible fuels                                      | 12                            | 13   | 13   | 14   | 14   | 17   |
| Hydro  | 76                            | 102  | 113  | 86   | 84   | *89  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 88                            | 115  | 127  | 99   | 99   | *106 |
| Combustible fuels                                      | 12                            | 13   | 13   | 14   | 14   | 17   |
| Hydro  | 76                            | 102  | 113  | 86   | 84   | *89  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | 88                            | 115  | 127  | 99   | 99   | *106 |
| Imports  | 505                           | 466  | 439  | 471  | 485  | 470  |
| Exports  | ..                            | 0    | 0    | 0    | 0    | 0    |
| Losses   | 74                            | 71   | 68   | 68   | 67   | 67   |
| Consumption  | 488                           | 482  | 475  | 484  | 491  | 490  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 9                             | 10   | 8    | 8    | 8    | 8    |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 480                           | 473  | 467  | 476  | 483  | 482  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 50                            | *50  | *50  | *50  | *50  | *50  |
| Combustible fuels                                      | 5                             | *5   | *5   | *5   | *5   | *5   |
| Hydro  | 45                            | *45  | *45  | *45  | *45  | *45  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 50                            | *50  | *50  | *50  | *50  | *50  |
| Combustible fuels                                      | 5                             | *5   | *5   | *5   | *5   | *5   |
| Hydro  | 45                            | *45  | *45  | *45  | *45  | *45  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Municipal waste  | *211                          | *232 | *241 | *248 | *255 | *306 |
| <b>Total input</b>                                     | *211                          | *232 | *241 | *248 | *255 | *306 |
| <b>Total production</b>                                | 42                            | 46   | 48   | 50   | 51   | 61   |
| <b>Estimated efficiency (% of production to input)</b> | 20                            | 20   | 20   | 20   | 20   | 20   |

**Statistics on electricity**
**Angola**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 6204                          | 8216  | 9480  | 9765  | 10361 | 10719 |
| Combustible fuels                                      | 2432                          | 3449  | 4439  | 4572  | 4546  | 3066  |
| Hydro  | 3772                          | 4767  | 5041  | 5193  | 5815  | 7653  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 5847                          | 7743  | 8934  | 9203  | 9765  | 10289 |
| Combustible fuels                                      | 2075                          | 2976  | 3893  | 4010  | 3950  | 2636  |
| Hydro  | 3772                          | 4767  | 5041  | 5193  | 5815  | 7653  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 153                           | 203   | 234   | 241   | 256   | 265   |
| Net production   | 6051                          | 8013  | 9246  | 9524  | 10105 | 10454 |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 699                           | 926   | 1068  | 1100  | 1167  | 1207  |
| Consumption  | 5352                          | 7087  | 8178  | 8424  | 8938  | 9247  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 1804                          | 2389  | 2757  | 2840  | 3013  | 3117  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 3548                          | 4698  | 5421  | 5584  | 5925  | 6130  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *1530                         | *1530 | *2070 | *2533 | *2873 | *4409 |
| Combustible fuels                                      | *770                          | *770  | *770  | *1091 | *1284 | *2067 |
| Hydro  | 760                           | *760  | *1300 | *1442 | *1589 | *2342 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 1400                          | *1400 | *1940 | *2349 | *2656 | *4159 |
| Combustible fuels                                      | *640                          | *640  | *640  | *907  | *1067 | *1817 |
| Hydro  | 760                           | *760  | *1300 | *1442 | *1589 | *2342 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 18576                         | 28294 | 43000 | 48848 | 50783 | 49321 |
| Fuel oil   | 5939                          | 2788  | 3030  | 1697  | 2343  | 1535  |
| Bagasse  | ..                            | ..    | *432  | *502  | *1861 | *2402 |
| <b>Total input</b>                                     | 24515                         | 31082 | 46462 | 51047 | 54987 | 53258 |
| <b>Total production</b>                                | 8755                          | 12416 | 15980 | 16459 | 16366 | 11038 |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 40    | 34    | 32    | 30    | 21    |

**Statistics on electricity**
**Anguilla**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 90                            | 89   | 90   | 95   | 104  | 80   |
| Combustible fuels                                      | 90                            | 89   | 90   | 94   | 103  | 80   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 0    | *1   | 0    |
| Main activity  | 90                            | 89   | 90   | 95   | 104  | 80   |
| Combustible fuels                                      | 90                            | 89   | 90   | 94   | 103  | 80   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 0    | *1   | 0    |
| Own use in electricity, CHP and heat plants            | 3                             | 3    | 3    | 3    | 3    | 3    |
| Net production   | 87                            | 86   | 87   | 92   | 100  | 77   |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 8                             | 9    | 9    | 10   | 9    | *9   |
| Consumption  | *79                           | *77  | *78  | *81  | *91  | *68  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *79                           | *77  | *78  | *81  | *91  | *68  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 33                            | 33   | 33   | 34   | 34   | 24   |
| Combustible fuels                                      | 33                            | 33   | 33   | 33   | 33   | 24   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 1    | 1    | 0    |
| Main activity  | 33                            | 33   | 33   | 34   | 34   | 24   |
| Combustible fuels                                      | 33                            | 33   | 33   | 33   | 33   | 24   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 1    | 1    | 0    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 813                           | 796  | 821  | 860  | *925 | *808 |
| <b>Total input</b>                                     | 813                           | 796  | 821  | 860  | *925 | *808 |
| <b>Total production</b>                                | 322                           | 319  | 322  | 339  | 371  | 287  |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 40   | 39   | 39   | 40   | 35   |

Statistics on electricity

Antigua and Barbuda

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 332                           | *332  | *338  | *347  | *353  | *353  |
| Combustible fuels                                      | 330                           | *330  | *336  | *340  | *344  | *344  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 2                             | 2     | 2     | 7     | 9     | 9     |
| Main activity  | 331                           | *331  | *337  | *346  | *352  | *352  |
| Combustible fuels                                      | 329                           | *329  | *335  | *339  | *343  | *343  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 2                             | 2     | 2     | 7     | 9     | 9     |
| Own use in electricity, CHP and heat plants            | 12                            | *17   | *9    | *10   | *13   | *8    |
| Net production   | 320                           | *315  | *329  | *337  | *340  | *345  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 76                            | 76    | *87   | *87   | *87   | *90   |
| Consumption  | 247                           | *237  | *242  | *250  | *253  | *255  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | *8                            | *8    | *9    | *10   | *12   | *12   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 239                           | *229  | *233  | *240  | *241  | *243  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 85                            | *113  | *116  | *117  | *117  | *119  |
| Combustible fuels                                      | 84                            | *111  | *111  | *111  | *111  | *113  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1                             | 2     | 5     | 6     | 6     | 6     |
| Main activity  | 84                            | *112  | *115  | *116  | *116  | *118  |
| Combustible fuels                                      | 83                            | *110  | *110  | *110  | *110  | *112  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1                             | 2     | 5     | 6     | 6     | 6     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *2365                         | *2365 | *2365 | *2365 | *2365 | *2365 |
| Fuel oil   | *1414                         | *1414 | *1414 | *1454 | *1495 | *1495 |
| <b>Total input</b>                                     | *3779                         | *3779 | *3779 | *3819 | *3860 | *3860 |
| <b>Total production</b>                                | 1188                          | *1188 | *1210 | *1224 | *1238 | *1238 |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 31    | 32    | 32    | 32    | 32    |

## Statistics on electricity

### Argentina

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 135207                        | 140868 | 138551 | 145363 | 146353 | 145618 |
| Combustible fuels                                      | 98719                         | 100763 | 90825  | 96159  | 99479  | 97257  |
| Hydro  | 29716                         | 33422  | 41335  | 41451  | 38028  | 41645  |
| Nuclear  | 6395                          | 6207   | 5756   | 7139   | *8285  | 6088   |
| Other  | 377                           | 476    | 635    | 614    | 561    | 628    |
| Main activity  | 119978                        | 126147 | 124338 | 131402 | 131526 | 130874 |
| Combustible fuels                                      | 83548                         | 86095  | 76649  | 82225  | 84698  | 82559  |
| Hydro  | 29658                         | 33369  | 41298  | 41424  | 37982  | 41599  |
| Nuclear  | 6395                          | 6207   | 5756   | 7139   | *8285  | 6088   |
| Other  | 377                           | 476    | 635    | 614    | 561    | 628    |
| Own use in electricity, CHP and heat plants            | 3919                          | 5216   | 3641   | 3869   | 3865   | 3696   |
| Net production   | 131288                        | 135652 | 134910 | 141494 | 142488 | 141922 |
| Imports  | 8116                          | 8303   | 10027  | 10320  | 11078  | 10529  |
| Exports  | 506                           | 247    | 166    | 55     | 327    | 69     |
| Losses   | 18442                         | 22289  | 17805  | 22061  | 23994  | 22981  |
| Consumption  | 120569                        | 121419 | 126966 | 129700 | 129246 | 129402 |
| Energy industries own use                              | 719                           | 497    | 723    | 578    | 465    | 401    |
| By industry and construction                           | 50535                         | 48919  | 51387  | 52281  | 50466  | 50374  |
| By transport   | 616                           | 621    | 588    | 566    | 546    | 660    |
| By households and other cons.                          | 68699                         | 71382  | 74268  | 76275  | 77769  | 77967  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 35023                         | 39563  | 35945  | 37593  | 37430  | 39764  |
| Combustible fuels                                      | 23807                         | 28269  | 24651  | 25541  | 25314  | 26510  |
| Hydro  | 10053                         | 10074  | 10074  | 10063  | 10127  | 11262  |
| Nuclear  | 1018                          | 1018   | 1018   | 1763   | 1763   | 1755   |
| Other  | 145                           | 202    | 202    | 226    | 226    | 237    |
| Main activity  | 31008                         | 35500  | 31931  | 33947  | 33816  | 36150  |
| Combustible fuels                                      | 19815                         | 24228  | 20659  | 21917  | 21722  | 22918  |
| Hydro  | 10033                         | 10054  | 10054  | 10043  | 10107  | 11242  |
| Nuclear  | 1018                          | 1018   | 1018   | 1763   | 1763   | 1755   |
| Other  | 143                           | 200    | 200    | 224    | 224    | 235    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 35805                         | 25995  | 28963  | 27825  | 21219  | 19386  |
| Gas-diesel oil   | 73229                         | 95589  | 68499  | 84366  | 89225  | 53922  |
| Fuel oil   | 117968                        | 93082  | 114494 | 122493 | 113241 | 58216  |
| Liquefied petroleum gas                                | 520                           | 0      | 0      | 0      | 0      | ..     |
| Refinery gas   | 2129                          | 3762   | 2475   | 3515   | 2376   | 2673   |
| Natural gas  | 688255                        | 582890 | 576765 | 585550 | 625835 | 699685 |
| Coke-oven gas  | 2825                          | 2428   | 435    | 435    | 427    | 460    |
| Blast furnace gas                                      | 5930                          | 5568   | 5892   | 5398   | 4430   | 4965   |
| Fuelwood   | 10655                         | 9325   | 7484   | 7665   | 8168   | 8320   |
| Bagasse  | 3680                          | 5405   | 5483   | 5429   | 5328   | 5869   |
| Others   | 20192                         | ..     | ..     | ..     | ..     | ..     |
| <b>Total input</b>                                     | 961187                        | 824043 | 810489 | 842675 | 870249 | 853496 |
| <b>Total production</b>                                | 355388                        | 362747 | 326970 | 346172 | 358124 | 350125 |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 44     | 40     | 41     | 41     | 41     |

## Statistics on electricity

### Armenia

| Item   | 2012                          | 2013   | 2014   | 2015  | 2016  | 2017  |
|--|-------------------------------|--------|--------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |       |       |       |
| Total main activity and autoproducer                   | 8036                          | 7710   | 7750   | 7799  | 7315  | 7766  |
| Combustible fuels                                      | 3399                          | 3173   | 3289   | 2801  | 2581  | 2872  |
| Hydro  | 2311                          | 2173   | 1992   | 2206  | 2350  | 2269  |
| Nuclear  | 2322                          | 2360   | 2465   | 2788  | 2381  | 2620  |
| Other  | 4                             | 4      | 4      | 4     | 3     | 5     |
| Main activity  | 8036                          | 7710   | 7750   | 7799  | 7315  | 7766  |
| Combustible fuels                                      | 3399                          | 3173   | 3289   | 2801  | 2581  | 2872  |
| Hydro  | 2311                          | 2173   | 1992   | 2206  | 2350  | 2269  |
| Nuclear  | 2322                          | 2360   | 2465   | 2788  | 2381  | 2620  |
| Other  | 4                             | 4      | 4      | 4     | 3     | 5     |
| Own use in electricity, CHP and heat plants            | 337                           | 329    | 361    | 369   | 327   | 355   |
| Net production   | 7699                          | 7381   | 7389   | 7430  | 6988  | 7411  |
| Imports  | 98                            | 148    | 206    | 174   | 275   | 320   |
| Exports  | 1696                          | 1313   | 1314   | 1424  | 1229  | 1440  |
| Losses   | 981                           | 949    | 929    | 812   | 706   | 669   |
| Consumption  | 5118                          | 5403   | 5353   | 5368  | 5328  | 5632  |
| Energy industries own use                              | ..                            | ..     | ..     | ..    | ..    | ..    |
| By industry and construction                           | 1178                          | 1208   | 1479   | 1577  | 1631  | 1655  |
| By transport   | 127                           | 124    | 115    | 105   | 100   | 102   |
| By households and other cons.                          | 3813                          | 4071   | 3759   | 3686  | 3597  | 3876  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |       |       |       |
| Total main activity and autoproducer                   | 4055                          | 4095   | 4091   | 4088  | 4113  | 4132  |
| Combustible fuels                                      | 2394                          | 2394   | 2390   | 2390  | 2390  | 2390  |
| Hydro  | 1249                          | 1289   | 1289   | 1286  | 1311  | 1327  |
| Nuclear  | 408                           | 408    | 408    | 408   | 408   | 408   |
| Other  | 4                             | 4      | 4      | 4     | 4     | 7     |
| Main activity  | 4055                          | 4095   | 4091   | 4088  | 4113  | 4132  |
| Combustible fuels                                      | 2394                          | 2394   | 2390   | 2390  | 2390  | 2390  |
| Hydro  | 1249                          | 1289   | 1289   | 1286  | 1311  | 1327  |
| Nuclear  | 408                           | 408    | 408    | 408   | 408   | 408   |
| Other  | 4                             | 4      | 4      | 4     | 4     | 7     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |       |       |       |
| Natural gas  | *29622                        | *28760 | *28988 | 25187 | 23237 | 24538 |
| <b>Total input</b>                                     | *29622                        | *28760 | *28988 | 25187 | 23237 | 24538 |
| <b>Total production</b>                                | 12236                         | 11423  | 11840  | 10084 | 9292  | 10338 |
| <b>Estimated efficiency (% of production to input)</b> | 41                            | 40     | 41     | 40    | 40    | 42    |



## Statistics on electricity

### Aruba

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 915                           | *928  | *917  | *932  | *947  | *978  |
| Combustible fuels                                      | 778                           | *790  | *778  | *793  | *808  | *840  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 136                           | *138  | *138  | *138  | *138  | *138  |
| Main activity  | 915                           | *928  | *917  | *932  | *947  | *978  |
| Combustible fuels                                      | 778                           | *790  | *778  | *793  | *808  | *840  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 136                           | *138  | *138  | *138  | *138  | *138  |
| Own use in electricity, CHP and heat plants            | 0                             | 0     | 0     | 0     | 0     | 0     |
| Net production   | 915                           | *928  | *917  | *932  | *947  | *978  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 148                           | 149   | 138   | 153   | *158  | *165  |
| Consumption  | *766                          | *779  | *779  | *778  | *789  | *813  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | ..                            | ..    | ..    | ..    | ..    | ..    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *766                          | *779  | *779  | *778  | *789  | *813  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 320                           | 288   | 288   | 288   | 288   | 288   |
| Combustible fuels                                      | 290                           | 258   | 258   | 258   | 258   | 258   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 30                            | 30    | 30    | 30    | 30    | 30    |
| Main activity  | 320                           | 288   | 288   | 288   | 288   | 288   |
| Combustible fuels                                      | 290                           | 258   | 258   | 258   | 258   | 258   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 30                            | 30    | 30    | 30    | 30    | 30    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *559                          | *559  | *568  | *581  | *581  | *602  |
| Fuel oil   | *8363                         | *7595 | *7716 | *7918 | *7716 | *8019 |
| <b>Total input</b>                                     | *8922                         | *8154 | *8284 | *8499 | *8297 | *8621 |
| <b>Total production</b>                                | 2801                          | *2843 | *2802 | *2856 | *2910 | *3024 |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 35    | 34    | 34    | 35    | 35    |

**Statistics on electricity**
**Australia**

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 250931                        | 249369  | 247451  | 251415  | 256563  | 258018  |
| Combustible fuels                                      | 227552                        | 219663  | 214767  | 221479  | 222837  | 221062  |
| Hydro  | 14083                         | 18270   | 18421   | 13445   | 15318   | 16285   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 9296                          | 11436   | 14263   | 16491   | 18408   | 20671   |
| Main activity  | 231499                        | 226356  | 223990  | 226896  | 232479  | 229624  |
| Combustible fuels                                      | 210440                        | 200120  | 195263  | 201872  | 204501  | 200100  |
| Hydro  | 14083                         | 18270   | 18421   | 13445   | 15318   | 16285   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 6976                          | 7966    | 10306   | 11579   | 12660   | 13239   |
| Own use in electricity, CHP and heat plants            | 14351                         | 13847   | 14830   | 12882   | 13301   | 14244   |
| Net production   | 236580                        | 235522  | 232621  | 238533  | 243262  | 243774  |
| Imports  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Exports  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Losses   | 14327                         | 13429   | 11149   | 13009   | 16373   | 13908   |
| Consumption  | 222228                        | 222093  | 221472  | 225524  | 226889  | 229864  |
| Energy industries own use                              | 12311                         | 12248   | 13627   | 14207   | 15225   | 19187   |
| By industry and construction                           | 80016                         | 79645   | 79483   | 76624   | 77291   | 75096   |
| By transport   | 4071                          | 4439    | 4560    | 5741    | 6097    | 5871    |
| By households and other cons.                          | 125830                        | 125761  | 123802  | 128952  | 128276  | 129710  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 65009                         | 66232   | 68060   | 68162   | 67074   | 66455   |
| Combustible fuels                                      | 50377                         | 50171   | 50704   | 49710   | 47786   | 46013   |
| Hydro  | 8271                          | 8271    | 8271    | 8271    | 8271    | 8271    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 6361                          | 7790    | 9085    | 10181   | 11017   | 12171   |
| Main activity  | 57047                         | 56757   | 57928   | 57362   | 55929   | 54976   |
| Combustible fuels                                      | 46211                         | 45261   | 45806   | 44762   | 42994   | 41436   |
| Hydro  | 8271                          | 8271    | 8271    | 8271    | 8271    | 8271    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 2565                          | 3225    | 3851    | 4329    | 4664    | 5269    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 717055                        | 696294  | 648712  | 636963  | 659756  | 672798  |
| Brown Coal   | 1198113                       | 1024432 | 955774  | 1028036 | 1057550 | 1012516 |
| Lignite briquettes                                     | 1386                          | 1029    | 861     | 672     | 461     | 168     |
| Biogas   | 13202                         | 11743   | 14005   | 14520   | 14247   | 13723   |
| Gas-diesel oil   | 28079                         | 51987   | 37195   | 46569   | 46612   | 45967   |
| Fuel oil   | 5414                          | 7030    | 6262    | 7070    | 1818    | 1414    |
| Other oil products                                     | 2211                          | 3658    | 2894    | 3538    | 3095    | 3899    |
| Natural gas  | 514586                        | 517482  | 530826  | 553022  | 559114  | 558526  |
| Fuelwood   | *1315                         | *1182   | *1731   | *3669   | *4193   | *6857   |
| Bagasse  | *11385                        | *10233  | *14980  | *16886  | *19298  | *27336  |
| Others   | 2883                          | 0       | 0       | 0       | 0       | ..      |
| <b>Total input</b>                                     | 2495628                       | 2325070 | 2213240 | 2310945 | 2366145 | 2343204 |
| <b>Total production</b>                                | 819187                        | 790787  | 773161  | 797324  | 802213  | 795823  |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 34      | 35      | 35      | 34      | 34      |

## Statistics on electricity

### Austria

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 72601                         | 68352  | 65438  | 65197  | 68308  | 71323  |
| Combustible fuels                                      | 22094                         | 18751  | 15958  | 18883  | 19025  | 21216  |
| Hydro  | 47696                         | 45808  | 44836  | 40525  | 42940  | 42251  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 2811                          | 3793   | 4644   | 5789   | 6343   | 7856   |
| Main activity  | 64030                         | 60256  | 57731  | 57346  | 60297  | 63109  |
| Combustible fuels                                      | 14072                         | 11221  | 8827   | 11536  | 11556  | 13493  |
| Hydro  | 47158                         | 45256  | 44273  | 40036  | 42413  | 41773  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 2800                          | 3779   | 4631   | 5774   | 6328   | 7843   |
| Own use in electricity, CHP and heat plants            | 3286                          | 3052   | 3200   | 3341   | 3447   | 3633   |
| Net production   | 69315                         | 65300  | 62238  | 61856  | 64861  | 67690  |
| Imports  | 23430                         | 24960  | 26712  | 29389  | 26366  | 29362  |
| Exports  | 20627                         | 17689  | 17437  | 19328  | 19207  | 22817  |
| Losses   | 3528                          | 3541   | 3410   | 3467   | 3339   | 3339   |
| Consumption  | 68590                         | 69028  | 68104  | 68449  | 68682  | 70899  |
| Energy industries own use                              | 7978                          | 7840   | 7911   | 7367   | 6642   | 8110   |
| By industry and construction                           | 26672                         | 27524  | 26781  | 27391  | 29176  | 29648  |
| By transport   | 3064                          | 3107   | 3062   | 3155   | 3213   | 3221   |
| By households and other cons.                          | 30876                         | 30557  | 30350  | 30536  | 29651  | 29920  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 22914                         | 23620  | 24045  | 24467  | 25217  | 24920  |
| Combustible fuels                                      | 8161                          | 8170   | 7859   | 7665   | 7273   | 6613   |
| Hydro  | 13078                         | 13148  | 13290  | 13375  | 14117  | 14150  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1675                          | 2302   | 2896   | 3427   | 3827   | 4157   |
| Main activity  | 20565                         | 21241  | 21787  | 22229  | 22959  | 23147  |
| Combustible fuels                                      | 6347                          | 6326   | 6136   | 5964   | 5561   | 5272   |
| Hydro  | 12543                         | 12613  | 12755  | 12838  | 13571  | 13718  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1675                          | 2302   | 2896   | 3427   | 3827   | 4157   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 39448                         | 38085  | 27053  | 27341  | 19019  | 16446  |
| Biogas   | 6995                          | 6445   | 10321  | 10592  | 10684  | 8193   |
| Fuel oil   | 8686                          | 8484   | 6141   | 8161   | 6383   | 5414   |
| Refinery gas   | 1089                          | 941    | 1089   | 1535   | 8267   | 7376   |
| Natural gas  | 85437                         | 63326  | 52343  | 69555  | 77390  | 100131 |
| Coke-oven gas  | 2592                          | 2017   | 2703   | 4328   | 3351   | 3367   |
| Blast furnace gas                                      | 14233                         | 16294  | 16187  | 15529  | 14551  | 17051  |
| Fuelwood   | *45446                        | *41971 | *38545 | *40053 | *35754 | *37259 |
| Municipal waste  | 13310                         | 13552  | 16518  | 17282  | 19085  | 17639  |
| Industrial waste                                       | 6601                          | 6472   | 5307   | 5739   | 4795   | 5167   |
| Others   | *7136                         | *4667  | *4522  | *4732  | *2705  | *2780  |
| <b>Total input</b>                                     | 230973                        | 202254 | 180729 | 204846 | 201984 | 220822 |
| <b>Total production</b>                                | 79538                         | 67504  | 57449  | 67979  | 68490  | 76378  |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 33     | 32     | 33     | 34     | 35     |

**Statistics on electricity**
**Azerbaijan**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 22988                         | 23354  | 24728  | 24688  | 24953  | 24320  |
| Combustible fuels                                      | 21167                         | 21863  | 23423  | 23041  | 22936  | 22515  |
| Hydro  | 1821                          | 1489   | 1300   | 1637   | 1959   | 1746   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | 2      | 5      | 10     | 58     | 59     |
| Main activity  | 21358                         | 21556  | 22706  | 22551  | 22699  | 22231  |
| Combustible fuels                                      | 19537                         | 20065  | 21401  | 20904  | 20699  | 20445  |
| Hydro  | 1821                          | 1489   | 1300   | 1637   | 1959   | 1746   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | 2      | 5      | 10     | 41     | 40     |
| Own use in electricity, CHP and heat plants            | 977                           | 961    | 998    | 982    | 918    | 877    |
| Net production   | 22011                         | 22393  | 23730  | 23706  | 24035  | 23444  |
| Imports  | 141                           | 127    | 124    | 108    | 114    | 108    |
| Exports  | 680                           | 495    | 489    | 265    | 1096   | 1283   |
| Losses   | 3368                          | 3281   | 3363   | 2869   | 2350   | 2251   |
| Consumption  | 18023                         | 18661  | 19914  | 20573  | 20660  | 19987  |
| Energy industries own use                              | 2629                          | 2679   | 3007   | 2954   | 3042   | 2902   |
| By industry and construction                           | 3027                          | 2996   | 3161   | 3163   | 3517   | 3611   |
| By transport   | 523                           | 531    | 536    | 482    | 428    | 397    |
| By households and other cons.                          | 11844                         | 12455  | 13210  | 13974  | 13673  | 13077  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 6420                          | 7353   | 7353   | 7808   | 7911   | 7942   |
| Combustible fuels                                      | 5397                          | 6267   | 6270   | 6692   | 6766   | 6791   |
| Hydro  | 1023                          | 1083   | 1078   | 1103   | 1105   | 1106   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | 4      | 5      | 13     | 41     | 44     |
| Main activity  | 6294                          | 7114   | 7111   | 7145   | 7167   | 7172   |
| Combustible fuels                                      | 5271                          | 6028   | 6028   | 6029   | 6029   | 6029   |
| Hydro  | 1023                          | 1083   | 1078   | 1103   | 1105   | 1106   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | 4      | 5      | 13     | 33     | 36     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | 215                           | 172    | 215    | 215    | 430    | 430    |
| Fuel oil   | 3959                          | 0      | 162    | 15716  | 24846  | 12605  |
| Natural gas  | 203578                        | 206854 | 214193 | 212772 | 196866 | 213287 |
| Municipal waste  | ..                            | 2104   | 2628   | 3037   | 2772   | 2782   |
| <b>Total input</b>                                     | 207752                        | 209130 | 217198 | 231739 | 224914 | 229104 |
| <b>Total production</b>                                | 76201                         | 78707  | 84323  | 82948  | 82570  | 81055  |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 38     | 39     | 36     | 37     | 35     |

**Statistics on electricity**
**Bahamas**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 1900                          | 1885   | 1922   | 1998   | 1966   | *1987  |
| Combustible fuels                                      | 1900                          | 1885   | 1922   | 1998   | 1966   | *1987  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | 1827                          | 1811   | 1848   | 1922   | 1890   | *1912  |
| Combustible fuels                                      | 1827                          | 1811   | 1848   | 1922   | 1890   | *1912  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | *70                           | 74     | *74    | *76    | *76    | *145   |
| Net production   | 1830                          | 1811   | 1848   | 1922   | 1890   | *1842  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | *52                           | *43    | *34    | *11    | *10    | *9     |
| Consumption  | 1778                          | 1768   | 1814   | 1930   | 1965   | *1841  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 1047                          | 1049   | 1108   | 1167   | 1075   | *1092  |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 731                           | 719    | 706    | 763    | 890    | *749   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 591                           | 591    | 576    | 576    | 576    | 576    |
| Combustible fuels                                      | 591                           | 591    | 576    | 576    | 576    | 576    |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | 536                           | 536    | 537    | 537    | 537    | 537    |
| Combustible fuels                                      | 536                           | 536    | 537    | 537    | 537    | 537    |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | 15738                         | *15394 | *16598 | *17243 | *16942 | *16512 |
| Liquefied petroleum gas                                | 47                            | ..     | ..     | ..     | ..     | ..     |
| <b>Total input</b>                                     | 15785                         | *15394 | *16598 | *17243 | *16942 | *16512 |
| <b>Total production</b>                                | 6840                          | 6786   | 6919   | 7193   | 7078   | *7153  |
| <b>Estimated efficiency (% of production to input)</b> | 43                            | 44     | 42     | 42     | 42     | 43     |

**Statistics on electricity**
**Bahrain**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 24727                         | 25867  | 27203  | 28461  | 28479  | 29193  |
| Combustible fuels                                      | 24727                         | 25867  | 27203  | 28452  | 28469  | 29183  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | 9      | 10     | *10    |
| Main activity  | 14217                         | 14701  | 16214  | 17192  | 17056  | 17949  |
| Combustible fuels                                      | 14217                         | 14701  | 16214  | 17183  | 17046  | 17939  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | 9      | 10     | *10    |
| Own use in electricity, CHP and heat plants            | 43                            | 42     | 43     | 43     | 39     | 40     |
| Net production   | 24684                         | 25825  | 27160  | 28418  | 28440  | 29153  |
| Imports  | 5                             | 86     | 109    | 109    | 137    | 263    |
| Exports  | 0                             | 72     | 95     | 95     | 151    | 260    |
| Losses   | 494                           | 517    | 569    | 604    | 597    | 632    |
| Consumption  | 23315                         | 24432  | 26186  | 27815  | 27749  | 27765  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 12410                         | 13180  | 13633  | 13990  | 14013  | 13889  |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 10905                         | 11252  | 12553  | 13825  | 13736  | 13876  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 6932                          | 6927   | 6975   | 6978   | 6977   | 6977   |
| Combustible fuels                                      | 6932                          | 6927   | 6975   | 6972   | 6971   | 6971   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | 6      | 6      | *6     |
| Main activity  | 3932                          | 3927   | 3925   | 3928   | 3927   | 3927   |
| Combustible fuels                                      | 3932                          | 3927   | 3925   | 3922   | 3921   | 3921   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | 6      | 6      | *6     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Natural gas  | 372448                        | 389899 | 406937 | 404675 | 397814 | 403830 |
| <b>Total input</b>                                     | 372448                        | 389899 | 406937 | 404675 | 397814 | 403830 |
| <b>Total production</b>                                | 89017                         | 93121  | 97931  | 102427 | 102488 | 105059 |
| <b>Estimated efficiency (% of production to input)</b> | 24                            | 24     | 24     | 25     | 26     | 26     |

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

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 48609                         | 53174  | 55880  | 59045  | 68911  | 73158  |
| Combustible fuels                                      | 47785                         | 52086  | 55108  | 58287  | 67721  | 71935  |
| Hydro  | 824                           | 948    | 623    | 600    | 1020   | 1041   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | 140    | 149    | 158    | 170    | 182    |
| Main activity  | 35401                         | 38811  | 40462  | 42936  | 51647  | 55921  |
| Combustible fuels                                      | 34577                         | 37723  | 39690  | 42178  | 50457  | 54698  |
| Hydro  | 824                           | 948    | 623    | 600    | 1020   | 1041   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | 140    | 149    | 158    | 170    | 182    |
| Own use in electricity, CHP and heat plants            | 2775                          | 3038   | 3173   | 3349   | 3872   | 4110   |
| Net production   | 45834                         | 50136  | 52707  | 55696  | 65039  | 69048  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 5790                          | 7032   | 6404   | 6519   | 6593   | 7040   |
| Consumption  | 40242                         | 42881  | 45965  | 48570  | 56681  | 60173  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 22215                         | 24056  | 25585  | 27035  | 31550  | 33494  |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 18027                         | 18825  | 20380  | 21535  | 25131  | 26679  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 8100                          | 8633   | 9443   | 11150  | 11866  | 12213  |
| Combustible fuels                                      | 7870                          | 8307   | 9091   | 10784  | 11495  | 11817  |
| Hydro  | 230                           | *230   | *230   | *230   | 230    | 230    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | 96     | 122    | 136    | 141    | 166    |
| Main activity  | 5725                          | 6311   | 7141   | 8773   | 9587   | 9809   |
| Combustible fuels                                      | 5495                          | 5985   | 6789   | 8407   | 9216   | 9413   |
| Hydro  | 230                           | *230   | *230   | *230   | 230    | 230    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | 96     | 122    | 136    | 141    | 166    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 9396                          | 12388  | 11300  | 10944  | 11321  | 11321  |
| Gas-diesel oil   | 9718                          | 8901   | 15781  | 20210  | 21457  | 25843  |
| Fuel oil   | 34986                         | 42582  | 48036  | 36118  | 28361  | 31108  |
| Natural gas  | 470590                        | 509963 | 530247 | 557675 | 546014 | 660829 |
| <b>Total input</b>                                     | 524690                        | 573834 | 605364 | 624947 | 607153 | 729101 |
| <b>Total production</b>                                | 172026                        | 187510 | 198389 | 209833 | 243796 | 258966 |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33     | 33     | 34     | 40     | 36     |

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

| Item   | 2012                          | 2013  | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|-------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |      |      |      |      |
| Total main activity and autoproducer                   | 1132                          | 1020  | 1031 | 1043 | 1075 | 1071 |
| Combustible fuels                                      | 1129                          | 1016  | 1021 | 1029 | 1045 | 1041 |
| Hydro  | ..                            | ..    | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..    | ..   | ..   | ..   | ..   |
| Other  | 3                             | 4     | 10   | 14   | 30   | *30  |
| Main activity  | 1128                          | 1017  | 1017 | 1026 | 1058 | 1053 |
| Combustible fuels                                      | 1125                          | 1013  | 1007 | 1012 | 1028 | 1023 |
| Hydro  | ..                            | ..    | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..    | ..   | ..   | ..   | ..   |
| Other  | 3                             | 4     | 10   | 14   | 30   | *30  |
| Own use in electricity, CHP and heat plants            | 37                            | 58    | 58   | 76   | 77   | 78   |
| Net production   | 1094                          | 962   | 972  | 968  | 999  | 993  |
| Imports  | ..                            | ..    | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..    | ..   | ..   | ..   | ..   |
| Losses   | 43                            | 43    | 48   | 20   | 21   | 21   |
| Consumption  | 1051                          | *919  | *924 | *947 | 978  | 974  |
| Energy industries own use                              | ..                            | ..    | ..   | ..   | ..   | ..   |
| By industry and construction                           | 76                            | 73    | 79   | 80   | 81   | 117  |
| By transport   | ..                            | ..    | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 975                           | *846  | *846 | *867 | 897  | 857  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |      |      |      |      |
| Total main activity and autoproducer                   | 243                           | 244   | 256  | 258  | 268  | 281  |
| Combustible fuels                                      | 241                           | 241   | 249  | 249  | 249  | 262  |
| Hydro  | ..                            | ..    | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..    | ..   | ..   | ..   | ..   |
| Other  | 2                             | 3     | 7    | 9    | 19   | 19   |
| Main activity  | 241                           | 242   | 246  | 248  | 258  | 271  |
| Combustible fuels                                      | 239                           | 239   | 239  | 239  | 239  | 252  |
| Hydro  | ..                            | ..    | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..    | ..   | ..   | ..   | ..   |
| Other  | 2                             | 3     | 7    | 9    | 19   | 19   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |      |      |      |      |
| Gas-diesel oil   | 1777                          | 1689  | 773  | 248  | 252  | 253  |
| Fuel oil   | 8682                          | 8632  | 7413 | 8060 | 8191 | 6369 |
| Other kerosene   | *263                          | *327  | *274 | *306 | *340 | *374 |
| Natural gas  | 152                           | 255   | 0    | 179  | 181  | 175  |
| Bagasse  | 38                            | 29    | 23   | 23   | 23   | 25   |
| <b>Total input</b>                                     | 10913                         | 10932 | 8482 | 8815 | 8987 | 7197 |
| <b>Total production</b>                                | 4063                          | 3657  | 3674 | 3705 | 3764 | 3747 |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 33    | 43   | 42   | 42   | 52   |



## Statistics on electricity

### Belarus

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 30799                         | 31507  | 34735  | 34082  | 33566  | 34515  |
| Combustible fuels                                      | 30723                         | 31361  | 34602  | 33941  | 33321  | 33924  |
| Hydro  | 70                            | 138    | 121    | 107    | 142    | 405    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 6                             | 8      | 12     | 34     | 103    | 186    |
| Main activity  | 27749                         | 28531  | 31663  | 30676  | 30132  | 30742  |
| Combustible fuels                                      | 27681                         | 28394  | 31541  | 30554  | 29912  | 30207  |
| Hydro  | 64                            | 131    | 114    | 101    | 128    | 396    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 4                             | 6      | 8      | 21     | 92     | 139    |
| Own use in electricity, CHP and heat plants            | 2203                          | 2189   | 2217   | 2100   | 2082   | 2106   |
| Net production   | 28596                         | 29318  | 32518  | 31982  | 31484  | 32409  |
| Imports  | 10398                         | 9382   | 7806   | 6104   | 6319   | 5992   |
| Exports  | 2797                          | 3012   | 4488   | 3482   | 3298   | 3407   |
| Losses   | 3406                          | 3342   | 3187   | 2916   | 2876   | 2872   |
| Consumption  | 32791                         | 32346  | 32649  | 31688  | 31629  | 32122  |
| Energy industries own use                              | 2413                          | 2411   | 2429   | 2400   | 2253   | 2170   |
| By industry and construction                           | 13353                         | 12719  | 12899  | 12093  | 11956  | 12558  |
| By transport   | 1402                          | 1304   | 1280   | 1227   | 1181   | 1223   |
| By households and other cons.                          | 15623                         | 15912  | 16041  | 15968  | 16239  | 16171  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 9006                          | 9214   | 10221  | 9794   | 10009  | 10151  |
| Combustible fuels                                      | 8970                          | 9178   | 10181  | 9750   | 9826   | 9884   |
| Hydro  | 34                            | 34     | 34     | 34     | 74     | 103    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 2                             | 2      | 6      | 10     | 109    | 164    |
| Main activity  | 8369                          | 8508   | 9431   | 8989   | 9153   | 9297   |
| Combustible fuels                                      | 8340                          | 8479   | 9398   | 8953   | 8985   | 9078   |
| Hydro  | 28                            | 28     | 28     | 28     | 68     | 97     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1                             | 1      | 5      | 8      | 100    | 122    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 0                             | 0      | 0      | 0      | 0      | 0      |
| Peat   | 885                           | 1081   | 1291   | 1222   | 1210   | 835    |
| Biogas   | 145                           | 337    | 363    | 390    | 370    | 441    |
| Gas-diesel oil   | 0                             | 0      | 0      | 0      | 0      | 0      |
| Fuel oil   | 8888                          | 1293   | 2868   | 3394   | 5737   | 3232   |
| Refinery gas   | 2277                          | 2030   | 2228   | 2030   | 1436   | 1881   |
| Natural gas  | 426772                        | 441450 | 451493 | 427730 | 420232 | 438360 |
| Fuelwood   | 4220                          | 4832   | 5399   | 5965   | 6943   | 7080   |
| Industrial waste                                       | 674                           | 686    | 880    | 993    | 617    | 675    |
| Peat products  | 342                           | 371    | 332    | 371    | 400    | 400    |
| Others   | 0                             | 0      | 0      | 0      | 0      | 0      |
| <b>Total input</b>                                     | 444203                        | 452079 | 464853 | 442094 | 436944 | 452903 |
| <b>Total production</b>                                | 110603                        | 112900 | 124567 | 122188 | 119956 | 122126 |
| <b>Estimated efficiency (% of production to input)</b> | 25                            | 25     | 27     | 28     | 27     | 27     |

## Statistics on electricity

### Belgium

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 82923                         | 83488  | 72672  | 69849  | 85809  | 86608  |
| Combustible fuels                                      | 35843                         | 32408  | 29610  | 33249  | 31756  | 32660  |
| Hydro  | 1659                          | 1704   | 1462   | 1418   | 1489   | 1397   |
| Nuclear  | 40295                         | 42644  | 33703  | 26103  | 43523  | 42227  |
| Other  | 5126                          | 6732   | 7897   | 9079   | 9041   | 10324  |
| Main activity  | 74427                         | 74363  | 62875  | 59796  | 75334  | 75167  |
| Combustible fuels                                      | 29740                         | 26359  | 23114  | 26720  | 24898  | 25058  |
| Hydro  | 1659                          | 1704   | 1462   | 1418   | 1489   | 1397   |
| Nuclear  | 40295                         | 42644  | 33703  | 26103  | 43523  | 42227  |
| Other  | 2733                          | 3656   | 4596   | 5555   | 5424   | 6485   |
| Own use in electricity, CHP and heat plants            | 3140                          | 3208   | 2723   | 2426   | 3289   | 3659   |
| Net production   | 79783                         | 80280  | 69949  | 67423  | 82520  | 82949  |
| Imports  | 16848                         | 17243  | 21791  | 23714  | 14648  | 14189  |
| Exports  | 6912                          | 7603   | 4188   | 2715   | 8465   | 8168   |
| Losses   | 4131                          | 4007   | 3785   | 3816   | 3875   | 3711   |
| Consumption  | 86137                         | 86211  | 84133  | 84599  | 85032  | 85062  |
| Energy industries own use                              | 4424                          | 3182   | 2980   | 2891   | 2918   | 3142   |
| By industry and construction                           | 37490                         | 37787  | 37786  | 37990  | 38397  | 38998  |
| By transport   | 1581                          | 1686   | 1569   | 1585   | 1623   | 1661   |
| By households and other cons.                          | 42642                         | 43556  | 41798  | 42133  | 42094  | 41261  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 20839                         | 20952  | 20921  | 21166  | 21666  | 22262  |
| Combustible fuels                                      | 9468                          | 8910   | 8601   | 8520   | 8629   | 8502   |
| Hydro  | 1427                          | 1429   | 1431   | 1422   | 1425   | 1423   |
| Nuclear  | 5927                          | 5927   | 5927   | 5913   | 5913   | 5918   |
| Other  | 4017                          | 4686   | 4962   | 5311   | 5699   | 6419   |
| Main activity  | 16898                         | 16690  | 16497  | 16697  | 16851  | 17154  |
| Combustible fuels                                      | 8182                          | 7559   | 7202   | 7199   | 7162   | 7035   |
| Hydro  | 1427                          | 1429   | 1431   | 1422   | 1425   | 1423   |
| Nuclear  | 5927                          | 5927   | 5927   | 5913   | 5913   | 5918   |
| Other  | 1362                          | 1775   | 1937   | 2163   | 2351   | 2778   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 32825                         | 28423  | 21770  | 21513  | 3561   | 382    |
| Biogas   | 4254                          | 4593   | 5201   | 5608   | 5651   | 5444   |
| Other kerosene   | 88                            | 44     | 44     | 88     | 88     | 175    |
| Refinery gas   | 2525                          | 446    | 1139   | 1139   | 1188   | 1139   |
| Natural gas  | 186532                        | 163294 | 148598 | 169635 | 168228 | 167650 |
| Blast furnace gas                                      | 16176                         | 16560  | 16739  | 16233  | 17756  | 18513  |
| Fuelwood   | *34228                        | *30737 | *23516 | *31708 | *30995 | *32985 |
| Municipal waste  | 28588                         | 28188  | 29535  | 30347  | 30685  | 30755  |
| Industrial waste                                       | 8651                          | 5581   | 6121   | 6221   | 6135   | 6248   |
| Other recovered gases                                  | 1245                          | 1238   | 1479   | 1224   | 1258   | 1213   |
| Others   | 2141                          | 1725   | 1144   | 1147   | 511    | 404    |
| <b>Total input</b>                                     | 317253                        | 280828 | 255285 | 284862 | 266055 | 264908 |
| <b>Total production</b>                                | 129035                        | 116669 | 106596 | 119696 | 114322 | 117576 |
| <b>Estimated efficiency (% of production to input)</b> | 41                            | 42     | 42     | 42     | 43     | 44     |

## Statistics on electricity

### Belize

| Item   | 2012                          | 2013  | 2014 | 2015 | 2016 | 2017  |
|--|-------------------------------|-------|------|------|------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |      |      |      |       |
| Total main activity and autoproducer                   | *424                          | *423  | *455 | *464 | *487 | *556  |
| Combustible fuels                                      | *215                          | *164  | *199 | *228 | *226 | *285  |
| Hydro  | *208                          | *259  | *256 | *236 | *261 | 271   |
| Nuclear  | ..                            | ..    | ..   | ..   | ..   | ..    |
| Other  | ..                            | ..    | ..   | ..   | ..   | ..    |
| Main activity  | *238                          | *304  | *286 | *267 | *292 | 303   |
| Combustible fuels                                      | *30                           | *45   | *30  | *31  | *31  | *32   |
| Hydro  | *208                          | *259  | *256 | *236 | *261 | 271   |
| Nuclear  | ..                            | ..    | ..   | ..   | ..   | ..    |
| Other  | ..                            | ..    | ..   | ..   | ..   | ..    |
| Own use in electricity, CHP and heat plants            | *14                           | *66   | *65  | *62  | *88  | *56   |
| Net production   | *410                          | *357  | *390 | *403 | *400 | *500  |
| Imports  | 172                           | 234   | 233  | 255  | 253  | 230   |
| Exports  | ..                            | ..    | ..   | ..   | ..   | ..    |
| Losses   | 56                            | 66    | 65   | 69   | 68   | 105   |
| Consumption  | 526                           | 536   | 558  | 589  | 585  | *626  |
| Energy industries own use                              | ..                            | ..    | ..   | ..   | ..   | ..    |
| By industry and construction                           | 123                           | 130   | 137  | 137  | 136  | 172   |
| By transport   | ..                            | ..    | ..   | ..   | ..   | ..    |
| By households and other cons.                          | 403                           | 406   | 422  | 452  | 449  | *454  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |      |      |      |       |
| Total main activity and autoproducer                   | 144                           | 143   | 154  | 154  | 145  | 163   |
| Combustible fuels                                      | 91                            | 88    | 99   | 99   | 94   | 111   |
| Hydro  | 53                            | 55    | 55   | 55   | 51   | 51    |
| Nuclear  | ..                            | ..    | ..   | ..   | ..   | ..    |
| Other  | ..                            | ..    | ..   | ..   | 0    | 0     |
| Main activity  | 118                           | 120   | 120  | 120  | 112  | 120   |
| Combustible fuels                                      | 65                            | 66    | 66   | 66   | 60   | 68    |
| Hydro  | 53                            | 55    | 55   | 55   | 51   | 51    |
| Nuclear  | ..                            | ..    | ..   | ..   | ..   | ..    |
| Other  | ..                            | ..    | ..   | ..   | 0    | 0     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |      |      |      |       |
| Crude oil  | 17                            | 17    | 15   | 15   | 15   | 40    |
| Gas-diesel oil   | 93                            | *86   | *86  | *86  | *86  | *86   |
| Fuel oil   | *162                          | *174  | *174 | *176 | 163  | 256   |
| Natural gas  | 52                            | 38    | 44   | 60   | 60   | *50   |
| Bagasse  | *1137                         | *1198 | 1927 | 2153 | 1742 | 1841  |
| <b>Total input</b>                                     | *1461                         | *1513 | 2246 | 2490 | 2066 | 2273  |
| <b>Total production</b>                                | *775                          | *590  | *717 | *822 | *815 | *1026 |
| <b>Estimated efficiency (% of production to input)</b> | 53                            | 39    | 32   | 33   | 39   | 45    |

## Statistics on electricity

### Benin

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 48                            | 92   | 239  | 330  | 276  | 331  |
| Combustible fuels                                      | 48                            | 92   | 239  | 324  | 266  | 325  |
| Hydro  | ..                            | ..   | ..   | 1    | 5    | 1    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 5    | 5    | 5    |
| Main activity  | 28                            | 73   | 127  | 218  | 180  | 233  |
| Combustible fuels                                      | 28                            | 73   | 127  | 212  | 170  | 227  |
| Hydro  | ..                            | ..   | ..   | 1    | 5    | 1    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 5    | 5    | 5    |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | 48                            | 92   | 239  | 330  | 276  | 331  |
| Imports  | 1069                          | 1077 | 939  | 1048 | 1089 | 1111 |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 212                           | 229  | 232  | 277  | 288  | 297  |
| Consumption  | 872                           | 942  | 953  | 1099 | 1071 | 1139 |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 139                           | 163  | 174  | 277  | 232  | 256  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 733                           | 779  | 779  | 822  | 839  | 883  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 63                            | 209  | *246 | *383 | *383 | *386 |
| Combustible fuels                                      | 61                            | 207  | *244 | *312 | *312 | *312 |
| Hydro  | *1                            | *1   | *1   | *66  | *66  | *66  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *1                            | *1   | *1   | *5   | *5   | 8    |
| Main activity  | 55                            | 201  | *201 | *338 | *338 | *341 |
| Combustible fuels                                      | 53                            | 199  | *199 | *267 | *267 | *267 |
| Hydro  | *1                            | *1   | *1   | *66  | *66  | *66  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *1                            | *1   | *1   | *5   | *5   | 8    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 430                           | 860  | 2322 | 1376 | 1806 | 1032 |
| Fuel oil   | ..                            | ..   | ..   | 566  | 646  | 646  |
| Petroleum coke   | ..                            | ..   | ..   | 0    | ..   | ..   |
| Natural gas  | ..                            | ..   | ..   | 1211 | 76   | 1526 |
| Kerosene-type jet fuel                                 | ..                            | ..   | ..   | 176  | ..   | ..   |
| <b>Total input</b>                                     | 430                           | 860  | 2322 | 3329 | 2528 | 3204 |
| <b>Total production</b>                                | 173                           | 331  | 860  | 1166 | 958  | 1170 |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 39   | 37   | 35   | 38   | 37   |

**Statistics on electricity**
**Bermuda**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 700                           | 677   | 661   | 674   | 665   | 673   |
| Combustible fuels                                      | 700                           | 677   | 661   | 674   | 665   | 673   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 688                           | 665   | 649   | 662   | 653   | 662   |
| Combustible fuels                                      | 688                           | 665   | 649   | 662   | 653   | 662   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 48                            | 45    | 38    | 40    | 35    | 44    |
| Net production   | 652                           | 632   | 623   | 634   | 630   | 629   |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *46                           | *45   | *44   | *44   | *44   | *45   |
| Consumption  | 606                           | 586   | 577   | 591   | 586   | 585   |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | ..                            | ..    | ..    | ..    | ..    | ..    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 606                           | 586   | 577   | 591   | 586   | 585   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 171                           | *171  | *171  | *171  | *171  | *171  |
| Combustible fuels                                      | 171                           | *171  | *171  | *171  | *171  | *171  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| 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   | *907                          | *820  | *1511 | *769  | *860  | *903  |
| Fuel oil   | *4977                         | *4977 | *3838 | *3838 | *3628 | *4464 |
| Municipal waste  | *565                          | *565  | *605  | *605  | *605  | *590  |
| <b>Total input</b>                                     | *6450                         | *6363 | *5954 | *5212 | *5093 | *5957 |
| <b>Total production</b>                                | 2521                          | 2438  | 2379  | 2427  | 2395  | 2424  |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 38    | 40    | 47    | 47    | 41    |

## Statistics on electricity

### Bhutan

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 6827                          | 7550 | 7164 | 7747 | 7954 | 7730 |
| Combustible fuels                                      | 0                             | 1    | 0    | 0    | 0    | 0    |
| Hydro  | 6827                          | 7550 | 7164 | 7747 | 7953 | 7728 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | 1    | 1    |
| Main activity  | 6827                          | 7550 | 7164 | 7747 | 7954 | 7730 |
| Combustible fuels                                      | 0                             | 1    | 0    | 0    | 0    | 0    |
| Hydro  | 6827                          | 7550 | 7164 | 7747 | 7953 | 7728 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | 1    | 1    |
| Own use in electricity, CHP and heat plants            | 3                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | 6824                          | 7550 | 7164 | 7747 | 7954 | 7730 |
| Imports  | 37                            | 37   | 159  | 125  | 84   | 92   |
| Exports  | 4924                          | 5625 | 5147 | 5721 | 5763 | 5701 |
| Losses   | 84                            | 83   | 81   | 67   | *266 | 58   |
| Consumption  | 1770                          | 1841 | 2004 | 2057 | 2009 | 2186 |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 1462                          | 1519 | 1661 | 1636 | 1548 | 1599 |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 307                           | 322  | 343  | 421  | 460  | 587  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 1497                          | 1499 | 1499 | 1622 | 1624 | 1623 |
| Combustible fuels                                      | 9                             | 11   | 11   | 8    | 9    | 8    |
| Hydro  | 1488                          | 1488 | 1488 | 1614 | 1614 | 1614 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 1    | 1    |
| Main activity  | 1497                          | 1499 | 1499 | 1622 | 1624 | 1623 |
| Combustible fuels                                      | 9                             | 11   | 11   | 8    | 9    | 8    |
| Hydro  | 1488                          | 1488 | 1488 | 1614 | 1614 | 1614 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 1    | 1    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *2                            | *6   | 0    | 0    | 0    | *3   |
| <b>Total input</b>                                     | *2                            | *6   | 0    | 0    | 0    | *3   |
| <b>Total production</b>                                | 1                             | 2    | 0    | 0    | 0    | 1    |
| <b>Estimated efficiency (% of production to input)</b> | 32                            | 32   | 32   | 32   | 0    | 32   |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 7661                          | 8064  | 8561  | 9123  | 9409  | 9964  |
| Combustible fuels                                      | 5306                          | 5525  | 6296  | 6637  | 7643  | 7659  |
| Hydro  | 2352                          | 2535  | 2251  | 2463  | 1720  | 2234  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 3                             | 4     | 14    | 23    | 46    | 71    |
| Main activity  | 7548                          | 7871  | 8369  | 8922  | 9110  | 9695  |
| Combustible fuels                                      | 5196                          | 5335  | 6110  | 6447  | 7355  | 7401  |
| Hydro  | 2352                          | 2535  | 2251  | 2463  | 1720  | 2234  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | 1     | 8     | 12    | 35    | 60    |
| Own use in electricity, CHP and heat plants            | 159                           | 191   | 192   | 208   | 120   | 182   |
| Net production   | 7502                          | 7873  | 8369  | 8915  | 9289  | 9782  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 869                           | 728   | 805   | 815   | 1166  | 1194  |
| Consumption  | 6613                          | 6962  | 7392  | 7875  | 8201  | 8361  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 1790                          | 1882  | 2016  | 2112  | 2134  | 2152  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 4823                          | 5080  | 5376  | 5763  | 6067  | 6209  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 1856                          | *1913 | *2212 | *2416 | *2446 | *2610 |
| Combustible fuels                                      | 1387                          | *1417 | *1713 | *1913 | *1919 | *1953 |
| Hydro  | 467                           | 493   | 494   | 495   | 495   | 619   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *2                            | *3    | 5     | 8     | 32    | 38    |
| Main activity  | 1746                          | *1820 | *2100 | *2238 | *2254 | *2404 |
| Combustible fuels                                      | 1279                          | *1326 | *1603 | *1740 | *1732 | *1758 |
| Hydro  | 467                           | 493   | 494   | 495   | 495   | 619   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | *1    | 3     | 3     | 27    | 27    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 1978                          | 1892  | 2236  | 2451  | 2451  | 2580  |
| Natural gas  | 62116                         | 60107 | 68418 | 70829 | 86446 | 81528 |
| Bagasse  | *2638                         | *4569 | *4470 | *4553 | *6904 | *6197 |
| Vegetal waste  | ..                            | ..    | *31   | *58   | *146  | *242  |
| <b>Total input</b>                                     | 66732                         | 66568 | 75155 | 77891 | 95947 | 90547 |
| <b>Total production</b>                                | 19102                         | 19890 | 22666 | 23893 | 27515 | 27572 |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 30    | 30    | 31    | 29    | 30    |

Statistics on electricity

Bonaire, St Eustatius, Saba

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 114                           | 116   | 120   | 127   | 137   | 142   |
| Combustible fuels                                      | 81                            | 80    | 79    | 87    | 95    | 101   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 33                            | 37    | 41    | 40    | 43    | 40    |
| Main activity  | 114                           | 116   | 120   | 127   | 137   | 142   |
| Combustible fuels                                      | 81                            | 80    | 79    | 87    | 95    | 101   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 33                            | 37    | 41    | 40    | 43    | 40    |
| Own use in electricity, CHP and heat plants            | 11                            | 12    | 11    | 11    | 16    | 17    |
| Net production   | 102                           | 105   | 109   | 116   | 121   | 125   |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *19                           | *20   | *21   | *20   | *20   | *21   |
| Consumption  | *83                           | *85   | *88   | *96   | *101  | *104  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | *48                           | *50   | *50   | *51   | *53   | *53   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *35                           | *36   | *38   | *45   | *48   | *51   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *27                           | *27   | *27   | *27   | 33    | *33   |
| Combustible fuels                                      | *16                           | *16   | *16   | *16   | 20    | *20   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 11                            | 11    | 11    | *11   | 13    | *13   |
| Main activity  | *27                           | *27   | *27   | *27   | 33    | *33   |
| Combustible fuels                                      | *16                           | *16   | *16   | *16   | 20    | *20   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 11                            | 11    | 11    | *11   | 13    | *13   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Fuel oil   | *982                          | *1042 | *1042 | *1050 | *1147 | *1228 |
| <b>Total input</b>                                     | *982                          | *1042 | *1042 | *1050 | *1147 | *1228 |
| <b>Total production</b>                                | 292                           | 287   | 284   | 312   | 340   | 365   |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 27    | 27    | 30    | 30    | 30    |



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

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 14082                         | 17451  | 16160  | 15629  | 17767  | 16439  |
| Combustible fuels                                      | 9867                          | 10215  | 10225  | 10078  | 12102  | 12431  |
| Hydro  | 4215                          | 7236   | 5935   | 5551   | 5641   | 3987   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | 24     | 21     |
| Main activity  | 13739                         | 17082  | 15803  | 15204  | 17373  | 15998  |
| Combustible fuels                                      | 9524                          | 9846   | 9868   | 9653   | 11708  | 11990  |
| Hydro  | 4215                          | 7236   | 5935   | 5551   | 5641   | 3987   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | 24     | 21     |
| Own use in electricity, CHP and heat plants            | 1047                          | 998    | 988    | 985    | 1158   | 1200   |
| Net production   | 13035                         | 16453  | 15172  | 14644  | 16609  | 15239  |
| Imports  | 4481                          | 3167   | 3162   | 3872   | 3084   | 3346   |
| Exports  | 4525                          | 6862   | 5998   | 6007   | 6841   | 5187   |
| Losses   | 1496                          | 1448   | 1322   | 1394   | 1358   | 1347   |
| Consumption  | 11495                         | 11310  | 11014  | 11115  | 11494  | 12038  |
| Energy industries own use                              | 398                           | 377    | 427    | 440    | 406    | 640    |
| By industry and construction                           | 4383                          | 4149   | 3910   | 3999   | 4079   | 4344   |
| By transport   | 107                           | 84     | 80     | 91     | 73     | 76     |
| By households and other cons.                          | 6607                          | 6700   | 6597   | 6585   | 6936   | 6978   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | *4304                         | *4304  | 4135   | *4304  | 4364   | 4522   |
| Combustible fuels                                      | *2187                         | *2187  | 2086   | *2187  | 2200   | 2295   |
| Hydro  | *2117                         | *2117  | 2049   | *2117  | 2155   | 2211   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | 9      | 16     |
| Main activity  | *4074                         | *4074  | 3905   | *4074  | 4134   | 4292   |
| Combustible fuels                                      | *1957                         | *1957  | 1856   | *1957  | 1970   | 2065   |
| Hydro  | *2117                         | *2117  | 2049   | *2117  | 2155   | 2211   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | 9      | 16     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Brown Coal   | 145338                        | 139422 | 116603 | 106377 | 137220 | 140569 |
| Fuel oil   | 283                           | 485    | 485    | 566    | 606    | 646    |
| Natural gas  | 719                           | 530    | 416    | 460    | 307    | 297    |
| Fuelwood   | ..                            | ..     | 0      | 0      | 0      | 196    |
| <b>Total input</b>                                     | 146340                        | 140437 | 117503 | 107403 | 138133 | 141708 |
| <b>Total production</b>                                | 35521                         | 36774  | 36810  | 36281  | 43567  | 44752  |
| <b>Estimated efficiency (% of production to input)</b> | 24                            | 26     | 31     | 34     | 32     | 32     |

Statistics on electricity

Botswana

| Item   | 2012                          | 2013  | 2014  | 2015   | 2016  | 2017  |
|--|-------------------------------|-------|-------|--------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |        |       |       |
| Total main activity and autoproducer                   | 351                           | 925   | 2315  | *2967  | 2688  | 3022  |
| Combustible fuels                                      | 350                           | 924   | 2314  | *2966  | 2686  | 3020  |
| Hydro  | ..                            | ..    | ..    | ..     | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..     | ..    | ..    |
| Other  | 1                             | 1     | 1     | 1      | 2     | 2     |
| Main activity  | 351                           | 925   | 2315  | *2967  | 2688  | 3022  |
| Combustible fuels                                      | 350                           | 924   | 2314  | *2966  | 2686  | 3020  |
| Hydro  | ..                            | ..    | ..    | ..     | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..     | ..    | ..    |
| Other  | 1                             | 1     | 1     | 1      | 2     | 2     |
| Own use in electricity, CHP and heat plants            | 132                           | 257   | 242   | *410   | 307   | 440   |
| Net production   | 220                           | 669   | 2073  | *2557  | 2381  | 2582  |
| Imports  | 3371                          | 2981  | 1684  | 1468   | 1650  | 1288  |
| Exports  | ..                            | ..    | ..    | ..     | ..    | ..    |
| Losses   | 393                           | 340   | 255   | 535    | 564   | 576   |
| Consumption  | 3198                          | 3310  | 3449  | 3495   | 3479  | 3280  |
| Energy industries own use                              | ..                            | ..    | ..    | ..     | ..    | ..    |
| By industry and construction                           | 1086                          | 1128  | 1463  | 1462   | 1382  | 1090  |
| By transport   | ..                            | ..    | ..    | ..     | ..    | ..    |
| By households and other cons.                          | 2112                          | 2183  | 1986  | 2033   | 2097  | 2190  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |        |       |       |
| Total main activity and autoproducer                   | 153                           | 753   | 621   | 621    | 621   | 753   |
| Combustible fuels                                      | 152                           | 752   | 620   | 620    | 620   | 752   |
| Hydro  | ..                            | ..    | ..    | ..     | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..     | ..    | ..    |
| Other  | 1                             | 1     | 1     | 1      | 1     | 1     |
| Main activity  | 133                           | 733   | 601   | 601    | 601   | 733   |
| Combustible fuels                                      | 132                           | 732   | 600   | 600    | 600   | 732   |
| Hydro  | ..                            | ..    | ..    | ..     | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..     | ..    | ..    |
| Other  | 1                             | 1     | 1     | 1      | 1     | 1     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |        |       |       |
| Hard Coal  | 3988                          | 12152 | 38534 | 27800  | 38227 | 45212 |
| Gas-diesel oil   | 1032                          | 1591  | 1419  | 1548   | 86    | 129   |
| <b>Total input</b>                                     | 5020                          | 13743 | 39953 | 29348  | 38313 | 45341 |
| <b>Total production</b>                                | 1260                          | 3326  | 8330  | *10677 | 9670  | 10872 |
| <b>Estimated efficiency (% of production to input)</b> | 25                            | 24    | 21    | 36     | 25    | 24    |

## Statistics on electricity

### Brazil

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 552498                        | 570838  | 590542  | 581228  | 578897  | 589327  |
| Combustible fuels                                      | 116068                        | 157810  | 189498  | 185066  | 148549  | 159662  |
| Hydro  | 415342                        | 390992  | 373439  | 359743  | 380911  | 370906  |
| Nuclear  | 16038                         | 15450   | 15378   | 14734   | 15864   | 15739   |
| Other  | 5050                          | 6586    | 12227   | 21685   | 33573   | 43020   |
| Main activity  | 474469                        | 484675  | 496510  | 484922  | 480360  | 491147  |
| Combustible fuels                                      | 58502                         | 93705   | 117565  | 109876  | 71486   | 80093   |
| Hydro  | 394879                        | 368939  | 351351  | 338673  | 359499  | 352313  |
| Nuclear  | 16038                         | 15450   | 15378   | 14734   | 15864   | 15739   |
| Other  | 5050                          | 6581    | 12216   | 21639   | 33511   | 43002   |
| Own use in electricity, CHP and heat plants            | 6129                          | 7666    | 8688    | 8435    | 7523    | 7766    |
| Net production   | 546369                        | 563172  | 581854  | 572793  | 571374  | 581561  |
| Imports  | 40722                         | 40334   | 33778   | 34642   | 41313   | 36511   |
| Exports  | 467                           | 0       | 3       | 219     | 518     | 156     |
| Losses   | 94355                         | 94995   | 89157   | 91067   | 98317   | 98083   |
| Consumption  | 492269                        | 508510  | 526473  | 516148  | 513854  | 519831  |
| Energy industries own use                              | 20221                         | 22056   | 22472   | 23461   | 22249   | 21875   |
| By industry and construction                           | 209622                        | 210159  | 207046  | 197931  | 196213  | 199682  |
| By transport   | 1785                          | 1884    | 1979    | 2055    | 2007    | 2055    |
| By households and other cons.                          | 260641                        | 274411  | 294976  | 292701  | 293385  | 296219  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 120973                        | 126743  | 133913  | 140857  | 150422  | 157580  |
| Combustible fuels                                      | 32786                         | 36528   | 37827   | 39563   | 41286   | 41881   |
| Hydro  | 84294                         | 86018   | 89193   | 91650   | 96931   | 100319  |
| Nuclear  | 2007                          | 1990    | 1990    | 1990    | 1990    | 1990    |
| Other  | 1886                          | 2207    | 4903    | 7654    | 10215   | 13390   |
| Main activity  | 102155                        | 106831  | 113012  | 118006  | 126223  | 132489  |
| Combustible fuels                                      | 18448                         | 21426   | 21800   | 21607   | 22101   | 21976   |
| Hydro  | 79814                         | 81213   | 84330   | 86766   | 91982   | 95273   |
| Nuclear  | 2007                          | 1990    | 1990    | 1990    | 1990    | 1990    |
| Other  | 1886                          | 2202    | 4892    | 7643    | 10150   | 13250   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 168334                        | 236287  | 263308  | 266396  | 259050  | 232538  |
| Gas-diesel oil   | 116874                        | 116788  | 145039  | 107113  | 53105   | 42140   |
| Fuel oil   | 54015                         | 91748   | 145400  | 132835  | 54500   | 64882   |
| Refinery gas   | 17194                         | 30210   | 22459   | 22295   | 18332   | 19153   |
| Other oil products                                     | 10693                         | 8643    | 9447    | 9970    | 9246    | 8683    |
| Natural gas  | 398537                        | 611516  | 739443  | 722325  | 501923  | 577284  |
| Coke-oven gas  | 11595                         | 11153   | 14839   | 10749   | 11417   | 16320   |
| Fuelwood   | 11391                         | 12570   | 14141   | 15785   | 14178   | 15466   |
| Bagasse  | 160527                        | 190829  | 207176  | 216072  | 221516  | 222813  |
| Vegetal waste  | 143236                        | 103244  | 194488  | 236450  | 286638  | 327563  |
| Others   | 3918                          | 3400    | 5732    | 3627    | 2623    | 2137    |
| <b>Total input</b>                                     | 1096315                       | 1416388 | 1761471 | 1743617 | 1432527 | 1528980 |
| <b>Total production</b>                                | 417845                        | 568116  | 682193  | 666238  | 534776  | 574783  |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 40      | 39      | 38      | 37      | 38      |

Statistics on electricity

British Virgin Islands

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 198                           | 198   | 199   | *210  | *212  | *149  |
| Combustible fuels                                      | 197                           | 197   | 197   | *208  | *211  | *148  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *1                            | *1    | *2    | *2    | *2    | *1    |
| Main activity  | 198                           | 198   | 199   | *210  | *212  | *149  |
| Combustible fuels                                      | 197                           | 197   | 197   | *208  | *211  | *148  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *1                            | *1    | *2    | *2    | *2    | *1    |
| Own use in electricity, CHP and heat plants            | 7                             | 7     | 9     | *7    | *7    | *5    |
| Net production   | 191                           | 191   | 190   | *203  | *205  | *143  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 20                            | 18    | 12    | *23   | *22   | *19   |
| Consumption  | *171                          | *173  | *179  | *181  | *183  | *124  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | *10                           | *10   | *10   | *10   | *10   | *7    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *161                          | *163  | *169  | *171  | *173  | *117  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 45                            | 45    | 45    | 45    | 45    | *32   |
| Combustible fuels                                      | 44                            | 44    | 44    | 44    | 44    | *31   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1                             | 1     | 1     | 1     | 1     | *1    |
| Main activity  | 45                            | 45    | 45    | 45    | 45    | *32   |
| Combustible fuels                                      | 44                            | 44    | 44    | 44    | 44    | *31   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1                             | 1     | 1     | 1     | 1     | *1    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *1720                         | *1720 | *1763 | *1763 | *1763 | *1518 |
| <b>Total input</b>                                     | *1720                         | *1720 | *1763 | *1763 | *1763 | *1518 |
| <b>Total production</b>                                | 710                           | 708   | 710   | *751  | *758  | *531  |
| <b>Estimated efficiency (% of production to input)</b> | 41                            | 41    | 40    | 43    | 43    | 35    |

Statistics on electricity

Brunei Darussalam

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 3930                          | 4402  | 4506  | 4200  | 4270  | 4158  |
| Combustible fuels                                      | 3928                          | 4400  | 4504  | 4198  | 4269  | 4156  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 2                             | 2     | 2     | 2     | 1     | 2     |
| Main activity  | 3524                          | 3942  | 4010  | 3738  | 3843  | 3725  |
| Combustible fuels                                      | 3522                          | 3940  | 4008  | 3736  | 3842  | 3723  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 2                             | 2     | 2     | 2     | 1     | 2     |
| Own use in electricity, CHP and heat plants            | 79                            | 440   | 451   | 420   | 379   | 137   |
| Net production   | 3851                          | 3962  | 4055  | 3780  | 3891  | 4021  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 243                           | 409   | 289   | 269   | 243   | 481   |
| Consumption  | 3609                          | 3553  | 3765  | 3737  | 3648  | 3538  |
| Energy industries own use                              | 401                           | 398   | 408   | 346   | 421   | 426   |
| By industry and construction                           | 213                           | 189   | 203   | 189   | 132   | 134   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 2995                          | 2966  | 3154  | 3202  | 3095  | 2978  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 806                           | *811  | *811  | *819  | *820  | 993   |
| Combustible fuels                                      | 805                           | *810  | *810  | *818  | *819  | 992   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1                             | *1    | *1    | *1    | *1    | 1     |
| Main activity  | 697                           | *701  | *701  | *709  | *709  | 876   |
| Combustible fuels                                      | 696                           | *700  | *700  | *708  | *708  | 875   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1                             | *1    | *1    | *1    | *1    | 1     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 430                           | 430   | 473   | 473   | 473   | 559   |
| Natural gas  | 55917                         | 53434 | 55145 | 46433 | 50501 | 51660 |
| <b>Total input</b>                                     | 56347                         | 53864 | 55618 | 46906 | 50974 | 52219 |
| <b>Total production</b>                                | 14141                         | 15840 | 16214 | 15113 | 15368 | 14962 |
| <b>Estimated efficiency (% of production to input)</b> | 25                            | 29    | 29    | 32    | 30    | 29    |

## Statistics on electricity

### Bulgaria

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 47329                         | 43784  | 47485  | 49228  | 45277  | 45612  |
| Combustible fuels                                      | 25518                         | 22067  | 23858  | 24840  | 22088  | 23633  |
| Hydro  | 3976                          | 4795   | 5163   | 6147   | 4568   | 3493   |
| Nuclear  | 15785                         | 14171  | 15867  | 15383  | 15776  | 15545  |
| Other  | 2050                          | 2751   | 2597   | 2858   | 2845   | 2941   |
| Main activity  | 47059                         | 43516  | 47232  | 48840  | 44786  | 44925  |
| Combustible fuels                                      | 25263                         | 21815  | 23619  | 24475  | 21631  | 22980  |
| Hydro  | 3976                          | 4795   | 5163   | 6147   | 4568   | 3493   |
| Nuclear  | 15785                         | 14171  | 15867  | 15383  | 15776  | 15545  |
| Other  | 2035                          | 2735   | 2583   | 2835   | 2811   | 2907   |
| Own use in electricity, CHP and heat plants            | 4470                          | 3966   | 4254   | 4501   | 4056   | 4260   |
| Net production   | 42859                         | 39818  | 43231  | 44727  | 41221  | 41352  |
| Imports  | 2353                          | 3351   | 4319   | 4251   | 4568   | 3705   |
| Exports  | 10661                         | 9532   | 13774  | 14826  | 10940  | 9186   |
| Losses   | 4231                          | 3895   | 4013   | 3785   | 3577   | 3476   |
| Consumption  | 30284                         | 29741  | 29705  | 30345  | 31231  | 32348  |
| Energy industries own use                              | 2439                          | 2209   | 2031   | 2019   | 2333   | 2441   |
| By industry and construction                           | 8267                          | 8511   | 8706   | 8946   | 8910   | 9404   |
| By transport   | 302                           | 277    | 306    | 352    | 354    | 377    |
| By households and other cons.                          | 19276                         | 18744  | 18662  | 19028  | 19634  | 20126  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 11684                         | 11651  | 11425  | 11016  | 10904  | 11069  |
| Combustible fuels                                      | 4912                          | 4701   | 4470   | 3991   | 3822   | 3785   |
| Hydro  | 3129                          | 3202   | 3219   | 3219   | 3223   | 3372   |
| Nuclear  | 1906                          | 1982   | 1975   | 1975   | 1967   | *1967  |
| Other  | 1737                          | 1766   | 1761   | 1831   | 1892   | 1945   |
| Main activity  | 11574                         | 11539  | 11330  | 10776  | 10552  | 10624  |
| Combustible fuels                                      | 4849                          | 4636   | 4410   | 3854   | 3635   | 3551   |
| Hydro  | 3129                          | 3202   | 3219   | 3219   | 3223   | 3372   |
| Nuclear  | 1906                          | 1982   | 1975   | 1975   | 1967   | *1967  |
| Other  | 1690                          | 1719   | 1726   | 1728   | 1727   | 1734   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 44298                         | 33215  | 39086  | 17788  | 13147  | 9346   |
| Brown Coal   | 216856                        | 181217 | 194391 | 227468 | 194380 | 216372 |
| Lignite briquettes                                     | 10766                         | 15517  | 16641  | 12610  | 14836  | 13256  |
| Biogas   | 4                             | 81     | 412    | 661    | 1569   | 1630   |
| Gas-diesel oil   | 172                           | 129    | 86     | 86     | 86     | 86     |
| Fuel oil   | 808                           | 646    | 525    | 485    | 606    | 808    |
| Refinery gas   | 743                           | 743    | 347    | 99     | 495    | 1089   |
| Petroleum coke   | 5395                          | 6110   | 7150   | 6695   | 8418   | 5168   |
| Natural gas  | 37004                         | 36528  | 33056  | 28851  | 28808  | 27601  |
| Fuelwood   | *549                          | *757   | *1279  | 1281   | *1556  | *1668  |
| Others   | ..                            | ..     | ..     | ..     | ..     | 0      |
| <b>Total input</b>                                     | 316595                        | 274942 | 292972 | 296024 | 263901 | 277024 |
| <b>Total production</b>                                | 91865                         | 79441  | 85889  | 89424  | 79517  | 85079  |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 29     | 29     | 30     | 30     | 31     |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017   |
|--|-------------------------------|-------|-------|-------|-------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |        |
| Total main activity and autoproducer                   | 625                           | 731   | 870   | 999   | 973   | 1095   |
| Combustible fuels                                      | 528                           | 625   | 780   | 906   | 834   | 958    |
| Hydro  | 97                            | 106   | 90    | 93    | 140   | 128    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..    | 9      |
| Main activity  | 479                           | 731   | 870   | 999   | 973   | 1095   |
| Combustible fuels                                      | 382                           | 625   | 780   | 906   | 834   | 958    |
| Hydro  | 97                            | 106   | 90    | 93    | 140   | 128    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..    | 9      |
| Own use in electricity, CHP and heat plants            | 53                            | 53    | 59    | 59    | 59    | 65     |
| Net production   | 573                           | 678   | 811   | 941   | 915   | 1030   |
| Imports  | 515                           | 532   | 488   | 443   | 630   | 645    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Losses   | 135                           | 158   | 175   | 183   | *183  | *224   |
| Consumption  | *952                          | *1052 | *1125 | *1200 | *1361 | *1452  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..     |
| By industry and construction                           | 363                           | 400   | 414   | 456   | *517  | *535   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..     |
| By households and other cons.                          | *589                          | *652  | *711  | *744  | *844  | *917   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |        |
| Total main activity and autoproducer                   | 298                           | 248   | 285   | 325   | 325   | 329    |
| Combustible fuels                                      | 266                           | 216   | 253   | 293   | 293   | 293    |
| Hydro  | 32                            | 32    | 32    | 32    | 32    | 32     |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..    | *4     |
| Main activity  | 237                           | 248   | 285   | 325   | 325   | 329    |
| Combustible fuels                                      | 205                           | 216   | 253   | 293   | 293   | 293    |
| Hydro  | 32                            | 32    | 32    | 32    | 32    | 32     |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..    | *4     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |        |
| Biogas   | ..                            | ..    | ..    | ..    | *36   | *36    |
| Gas-diesel oil   | 3698                          | 3307  | 3006  | 2455  | *2455 | *2821  |
| Fuel oil   | 1321                          | 2424  | 3919  | 5446  | *5446 | *7878  |
| <b>Total input</b>                                     | 5019                          | 5731  | 6925  | 7901  | *7937 | *10735 |
| <b>Total production</b>                                | 1902                          | 2251  | 2807  | 3261  | 3001  | 3448   |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 39    | 41    | 41    | 38    | 32     |

## Statistics on electricity

### Burundi

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017  |
|--|-------------------------------|------|------|------|------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |       |
| Total main activity and autoproducer                   | 142                           | 166  | 180  | 172  | 174  | 184   |
| Combustible fuels                                      | 3                             | 28   | 40   | 35   | 31   | 84    |
| Hydro  | 139                           | 138  | 140  | 137  | 143  | 100   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Main activity  | 142                           | 159  | 174  | 166  | 167  | 174   |
| Combustible fuels                                      | 3                             | 21   | 34   | 29   | 24   | 74    |
| Hydro  | 139                           | 138  | 140  | 137  | 143  | 100   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Own use in electricity, CHP and heat plants            | 8                             | 15   | 14   | 14   | 15   | *19   |
| Net production   | 134                           | 151  | 166  | 158  | 159  | 165   |
| Imports  | 104                           | 103  | 91   | *96  | *100 | *100  |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Losses   | *40                           | 40   | 40   | *40  | *40  | *40   |
| Consumption  | *198                          | *214 | *217 | *214 | *216 | *225  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..    |
| By industry and construction                           | *78                           | *86  | *89  | *86  | *87  | *91   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..    |
| By households and other cons.                          | *120                          | *128 | *128 | *128 | *130 | *134  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |       |
| Total main activity and autoproducer                   | 37                            | 39   | 41   | *42  | *42  | *62   |
| Combustible fuels                                      | *5                            | *7   | *9   | *9   | *7   | *14   |
| Hydro  | 32                            | 32   | 32   | *33  | *35  | *48   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Main activity  | 37                            | 39   | 41   | *42  | *42  | *62   |
| Combustible fuels                                      | *5                            | *7   | *9   | *9   | *7   | *14   |
| Hydro  | 32                            | 32   | 32   | *33  | *35  | *48   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |       |
| Fuel oil   | *40                           | *242 | *404 | *368 | *307 | *921  |
| Bagasse  | ..                            | *126 | *108 | *108 | *126 | *180  |
| <b>Total input</b>                                     | *40                           | *368 | *512 | *476 | *433 | *1101 |
| <b>Total production</b>                                | 10                            | 100  | 142  | 125  | 112  | 302   |
| <b>Estimated efficiency (% of production to input)</b> | 26                            | 27   | 28   | 26   | 26   | 27    |



## Statistics on electricity

### Cabo Verde

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017  |
|--|-------------------------------|------|------|------|------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |       |
| Total main activity and autoproducer                   | 375                           | 404  | 409  | 421  | 444  | 492   |
| Combustible fuels                                      | 306                           | 321  | 338  | 336  | 361  | 409   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | 69                            | 83   | 71   | 85   | 83   | 83    |
| Main activity  | 374                           | 404  | 408  | 420  | 443  | 491   |
| Combustible fuels                                      | 306                           | 321  | 338  | 336  | 361  | 408   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | 69                            | 83   | 71   | 85   | 83   | 83    |
| Own use in electricity, CHP and heat plants            | 11                            | 10   | 11   | 12   | 11   | 12    |
| Net production   | 364                           | 394  | 398  | 409  | 433  | 480   |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Losses   | 97                            | 102  | 103  | 104  | *118 | *131  |
| Consumption  | 266                           | 291  | 295  | *305 | *316 | *343  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..    |
| By industry and construction                           | 23                            | 37   | 33   | *34  | *36  | *36   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..    |
| By households and other cons.                          | 243                           | 255  | 262  | *270 | *280 | *307  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |       |
| Total main activity and autoproducer                   | 134                           | 142  | 154  | 162  | *169 | *200  |
| Combustible fuels                                      | 102                           | 109  | 121  | 129  | *136 | *166  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | 32                            | 33   | 33   | 33   | 33   | 35    |
| Main activity  | 134                           | 142  | 154  | 162  | *168 | *200  |
| Combustible fuels                                      | 101                           | 108  | 121  | 129  | *135 | *165  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | 32                            | 33   | 33   | 33   | 33   | 35    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |       |
| Gas-diesel oil   | 778                           | 602  | 615  | *602 | *688 | *753  |
| Fuel oil   | 2121                          | 2275 | 2339 | 2445 | 2631 | *2881 |
| <b>Total input</b>                                     | 2899                          | 2877 | 2954 | 3047 | 3319 | *3633 |
| <b>Total production</b>                                | 1102                          | 1156 | 1217 | 1210 | 1301 | 1472  |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 40   | 41   | 40   | 39   | 41    |

## Statistics on electricity

### Cambodia

| Item   | 2012                          | 2013 | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |       |       |       |       |
| Total main activity and autoproducer                   | 1434                          | 1778 | 3062  | 4397  | 5594  | 6998  |
| Combustible fuels                                      | 914                           | 759  | 1207  | 2394  | 2972  | 4260  |
| Hydro  | 517                           | 1016 | 1852  | 2000  | 2619  | 2733  |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | 3                             | 3    | 3     | 3     | 3     | 5     |
| Main activity  | 1434                          | 1778 | 3062  | 4397  | 5594  | 6998  |
| Combustible fuels                                      | 914                           | 759  | 1207  | 2394  | 2972  | 4260  |
| Hydro  | 517                           | 1016 | 1852  | 2000  | 2619  | 2733  |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | 3                             | 3    | 3     | 3     | 3     | 5     |
| Own use in electricity, CHP and heat plants            | 42                            | 52   | 90    | 129   | 186   | 372   |
| Net production   | 1392                          | 1726 | 2972  | 4268  | 5408  | 6626  |
| Imports  | 2104                          | 2282 | 1803  | 1526  | 1583  | 1480  |
| Exports  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Losses   | 262                           | 499  | 717   | 810   | 936   | 1332  |
| Consumption  | 3234                          | 3509 | 4058  | 4984  | 6053  | 6774  |
| Energy industries own use                              | ..                            | ..   | ..    | ..    | ..    | ..    |
| By industry and construction                           | 585                           | 635  | 734   | 901   | 1511  | 1545  |
| By transport   | ..                            | ..   | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 2649                          | 2874 | 3324  | 4083  | 4542  | 5229  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |       |       |       |       |
| Total main activity and autoproducer                   | 584                           | 1157 | 1513  | 1659  | 1683  | 1878  |
| Combustible fuels                                      | 357                           | 472  | 582   | 728   | 751   | 888   |
| Hydro  | 225                           | 683  | 929   | 930   | 930   | 980   |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | *2                            | *2   | *2    | *2    | *2    | 10    |
| Main activity  | 584                           | 1157 | 1513  | 1659  | 1683  | 1878  |
| Combustible fuels                                      | 357                           | 472  | 582   | 728   | 751   | 888   |
| Hydro  | 225                           | 683  | 929   | 930   | 930   | 980   |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | *2                            | *2   | *2    | *2    | *2    | 10    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |       |       |       |       |
| Brown Coal   | 418                           | 1909 | 9745  | 24023 | 27722 | 40112 |
| Gas-diesel oil   | 2365                          | 1591 | 903   | 645   | 1075  | 1462  |
| Fuel oil   | 6868                          | 4646 | 2626  | 1818  | 3030  | 2182  |
| Vegetal waste  | 288                           | 158  | 201   | 545   | 1118  | 1132  |
| <b>Total input</b>                                     | 9939                          | 8304 | 13475 | 27031 | 32945 | 44888 |
| <b>Total production</b>                                | 3290                          | 2732 | 4345  | 8618  | 10699 | 15336 |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33   | 32    | 32    | 32    | 34    |

## Statistics on electricity

### Cameroon

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 4729                          | 6095  | 7115  | 7953  | 7961  | 8196  |
| Combustible fuels                                      | 1228                          | 2007  | 2546  | 3584  | 3756  | 3991  |
| Hydro  | 3497                          | 4083  | 4562  | 4359  | 4193  | 4193  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 4                             | 5     | 7     | 10    | 12    | 12    |
| Main activity  | 3818                          | 4458  | 4982  | 4748  | 4593  | 4603  |
| Combustible fuels                                      | 317                           | 370   | 413   | 379   | 388   | 398   |
| Hydro  | 3497                          | 4083  | 4562  | 4359  | 4193  | 4193  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 4                             | 5     | 7     | 10    | 12    | 12    |
| Own use in electricity, CHP and heat plants            | 41                            | 52    | 60    | 233   | 233   | 240   |
| Net production   | 4688                          | 6043  | 7055  | 7720  | 7728  | 7956  |
| Imports  | 1883                          | 1044  | 540   | 50    | 219   | 46    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 1602                          | 1879  | 2114  | 1663  | 1665  | 1714  |
| Consumption  | 4969                          | 5208  | 5482  | 6107  | 6282  | 6288  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 2691                          | 2836  | 3005  | 3408  | 3581  | 3585  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 2278                          | 2372  | 2477  | 2699  | 2701  | 2703  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 1348                          | 1671  | 1749  | *1849 | *1882 | 1992  |
| Combustible fuels                                      | *620                          | 939   | 1017  | *1117 | *1150 | 1215  |
| Hydro  | 728                           | 732   | *732  | *732  | *732  | 777   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 1048                          | 1271  | *1249 | *1249 | *1282 | 1392  |
| Combustible fuels                                      | *320                          | 539   | 517   | *517  | *550  | 615   |
| Hydro  | 728                           | 732   | *732  | *732  | *732  | 777   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 6493                          | 7568  | 8471  | 10019 | 10277 | 10535 |
| Fuel oil   | 2505                          | 2626  | 2788  | 3272  | 3353  | 3434  |
| Natural gas  | 3828                          | 11759 | 17069 | 18966 | 20483 | 22759 |
| Fuelwood   | *603                          | *637  | *675  | *25   | *26   | *26   |
| <b>Total input</b>                                     | 13429                         | 22590 | 29003 | 32282 | 34139 | 36754 |
| <b>Total production</b>                                | 4421                          | 7225  | 9166  | 12902 | 13522 | 14368 |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 32    | 32    | 40    | 40    | 39    |

**Statistics on electricity**
**Canada**

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 633390                        | 658745  | 660826  | 666580  | 666621  | 658399  |
| Combustible fuels                                      | 143219                        | 141502  | 144037  | 152983  | 144388  | 132060  |
| Hydro  | 380340                        | 391861  | 382574  | 382293  | 387208  | 392647  |
| Nuclear  | 94862                         | 103439  | 107280  | 101809  | 101143  | 101112  |
| Other  | 14969                         | 21943   | 26935   | 29495   | 33882   | 32580   |
| Main activity  | 576528                        | 601346  | 600205  | 595129  | 599996  | 600916  |
| Combustible fuels                                      | 118395                        | 115496  | 114632  | 115503  | 110541  | 107030  |
| Hydro  | 348306                        | 360615  | 351528  | 348622  | 356282  | 362359  |
| Nuclear  | 94862                         | 103439  | 107280  | 101809  | 101143  | 101112  |
| Other  | 14965                         | 21796   | 26765   | 29195   | 32030   | 30415   |
| Own use in electricity, CHP and heat plants            | 18653                         | 19211   | 19550   | 19387   | 18731   | 20106   |
| Net production   | 614737                        | 639534  | 641276  | 647193  | 647890  | 638293  |
| Imports  | 10928                         | 10694   | 12808   | 8726    | 9302    | 9900    |
| Exports  | 57865                         | 62739   | 58574   | 68447   | 73455   | 72100   |
| Losses   | 50312                         | 53310   | 56961   | 64997   | 64982   | 74665   |
| Consumption  | 542999                        | 546446  | 535403  | 500914  | 505799  | 537298  |
| Energy industries own use                              | 28592                         | 29432   | 29719   | 29347   | 31449   | 28577   |
| By industry and construction                           | 172134                        | 172930  | 170554  | 170093  | 168429  | 179087  |
| By transport   | 4269                          | 5520    | 5556    | 6128    | 6910    | 7854    |
| By households and other cons.                          | 338004                        | 338564  | 329574  | 295346  | 299011  | 321780  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 131535                        | 134696  | 138151  | 148200  | 144072  | 147705  |
| Combustible fuels                                      | 34660                         | 35215   | 36217   | 40946   | 35076   | 37429   |
| Hydro  | 75537                         | 75537   | 75537   | 79420   | 80259   | 80831   |
| Nuclear  | 13370                         | 14033   | 14033   | 14033   | 14033   | 14033   |
| Other  | 7968                          | 9911    | 12364   | 13801   | 14704   | 15412   |
| Main activity  | 120989                        | 125442  | 128657  | 138434  | 133343  | 136377  |
| Combustible fuels                                      | 29253                         | 31337   | 32101   | 36592   | 30562   | 32594   |
| Hydro  | 70398                         | 70225   | 70232   | 74135   | 75181   | 75699   |
| Nuclear  | 13370                         | 14033   | 14033   | 14033   | 14033   | 14033   |
| Other  | 7968                          | 9847    | 12291   | 13674   | 13567   | 14051   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 101195                        | 96900   | 76876   | 60806   | 68308   | 45224   |
| Brown Coal   | 562272                        | 540679  | 559072  | 570572  | 531896  | 525639  |
| Biogas   | 9097                          | 9893    | 10206   | 10206   | 10206   | 10206   |
| Gas-diesel oil   | 10234                         | 9546    | 11094   | 12470   | 12470   | 12900   |
| Fuel oil   | 20160                         | 18140   | 27391   | 32724   | 30340   | 28038   |
| Refinery gas   | 19949                         | 21285   | 12029   | 11831   | 11534   | 11039   |
| Petroleum coke   | 22523                         | 32695   | 30355   | 30745   | 33735   | 26618   |
| Natural gas  | 645535                        | 625574  | 658718  | 691392  | 681176  | 638284  |
| Fuelwood   | *85805                        | *85805  | *109374 | *110778 | *110790 | *58684  |
| Municipal waste  | 2910                          | 3162    | 3421    | 3421    | 3421    | 3421    |
| Others   | 1508                          | 1190    | 1305    | 1525    | 1435    | 1391    |
| <b>Total input</b>                                     | 1481186                       | 1444869 | 1499840 | 1536470 | 1495311 | 1361442 |
| <b>Total production</b>                                | 515588                        | 509407  | 518533  | 550739  | 519797  | 475416  |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 35      | 35      | 36      | 35      | 35      |

Statistics on electricity

Cayman Islands

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 607                           | 615  | 621  | 640  | 666  | 671  |
| Combustible fuels                                      | 607                           | 615  | 621  | 640  | 666  | 671  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 607                           | 615  | 621  | 640  | 666  | 671  |
| Combustible fuels                                      | 607                           | 615  | 621  | 640  | 666  | 671  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | 607                           | 615  | 621  | 640  | 666  | 671  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 39                            | 40   | 37   | 38   | 40   | 29   |
| Consumption  | 568                           | 575  | 584  | 601  | 627  | 642  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 297                           | 298  | 301  | 308  | 311  | 312  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 271                           | 277  | 283  | 293  | 316  | 330  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 150                           | 150  | 132  | 132  | 161  | 161  |
| Combustible fuels                                      | 150                           | 150  | 132  | 132  | 161  | 161  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 150                           | 150  | 132  | 132  | 161  | 161  |
| Combustible fuels                                      | 150                           | 150  | 132  | 132  | 161  | 161  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 5160                          | 5074 | 5246 | 5332 | 5246 | 5547 |
| <b>Total input</b>                                     | 5160                          | 5074 | 5246 | 5332 | 5246 | 5547 |
| <b>Total production</b>                                | 2185                          | 2214 | 2236 | 2304 | 2398 | 2416 |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 44   | 43   | 43   | 46   | 44   |

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

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 177                           | 144  | 147  | 149  | 150  | 153  |
| Combustible fuels                                      | 27                            | 1    | 1    | 1    | 1    | 1    |
| Hydro  | 149                           | 138  | 139  | 141  | 142  | 144  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 5    | 7    | 7    | 7    | 8    |
| Main activity  | 177                           | 144  | 147  | 149  | 150  | 153  |
| Combustible fuels                                      | 27                            | 1    | 1    | 1    | 1    | 1    |
| Hydro  | 149                           | 138  | 139  | 141  | 142  | 144  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 5    | 7    | 7    | 7    | 8    |
| Own use in electricity, CHP and heat plants            | 1                             | 5    | 7    | 7    | 7    | 8    |
| Net production   | 176                           | 139  | 140  | 142  | 143  | 145  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *9                            | *10  | *10  | *10  | *10  | *10  |
| Consumption  | *167                          | *129 | *130 | *132 | *133 | *135 |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | *50                           | *51  | *52  | *53  | *53  | *54  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *117                          | *78  | *78  | *79  | *80  | *81  |
| <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  | ..                            | ..   | ..   | ..   | ..   | ..   |
| 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  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *344                          | *22  | *22  | *22  | *22  | *22  |
| <b>Total input</b>                                     | *344                          | *22  | *22  | *22  | *22  | *22  |
| <b>Total production</b>                                | 97                            | 4    | 4    | 4    | 4    | 4    |
| <b>Estimated efficiency (% of production to input)</b> | 28                            | 17   | 17   | 17   | 17   | 17   |

## Statistics on electricity

### Chad

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 205                           | *225  | *225  | *228  | *230  | *230  |
| Combustible fuels                                      | 205                           | *225  | *225  | *228  | *230  | *230  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 205                           | *225  | *225  | *228  | *230  | *230  |
| Combustible fuels                                      | 205                           | *225  | *225  | *228  | *230  | *230  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 19                            | *19   | *19   | *13   | *12   | *12   |
| Net production   | 186                           | *206  | *206  | *215  | *218  | *218  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | ..                            | ..    | ..    | ..    | ..    | ..    |
| Consumption  | *186                          | *206  | *206  | *215  | *218  | *218  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | *66                           | *73   | *73   | *75   | *77   | *78   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *120                          | *133  | *133  | *140  | *141  | *140  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *41                           | *86   | *86   | *86   | *86   | *86   |
| Combustible fuels                                      | *41                           | *86   | *86   | *86   | *86   | *86   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *41                           | *86   | *86   | *86   | *86   | *86   |
| Combustible fuels                                      | *41                           | *86   | *86   | *86   | *86   | *86   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *2408                         | *2460 | *2460 | *2537 | *2537 | *2537 |
| <b>Total input</b>                                     | *2408                         | *2460 | *2460 | *2537 | *2537 | *2537 |
| <b>Total production</b>                                | 738                           | *810  | *810  | *821  | *828  | *828  |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 33    | 33    | 32    | 33    | 33    |

## Statistics on electricity

### Chile

| Item   | 2012                          | 2013   | 2014   | 2015    | 2016    | 2017    |
|--|-------------------------------|--------|--------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |         |         |         |
| Total main activity and autoproducer                   | 69751                         | 73065  | 70753  | 75387   | 79308   | 79416   |
| Combustible fuels                                      | 49184                         | 52602  | 45440  | 48130   | 50946   | 50602   |
| Hydro  | 20158                         | 19737  | 23099  | 23881   | 23274   | 21315   |
| Nuclear  | ..                            | ..     | ..     | ..      | ..      | ..      |
| Other  | 409                           | 726    | 2214   | 3376    | 5088    | 7499    |
| Main activity  | 63973                         | 66643  | 64841  | 69166   | 72332   | 72032   |
| Combustible fuels                                      | 43607                         | 46374  | 39706  | 41956   | 44131   | 43264   |
| Hydro  | 19979                         | 19562  | 22940  | 23837   | 23113   | 21271   |
| Nuclear  | ..                            | ..     | ..     | ..      | ..      | ..      |
| Other  | 387                           | 707    | 2195   | 3373    | 5088    | 7497    |
| Own use in electricity, CHP and heat plants            | 3911                          | 3321   | 1301   | 3358    | 2854    | 2387    |
| Net production   | 65840                         | 69744  | 69452  | 72029   | 76454   | 77029   |
| Imports  | 0                             | 0      | 0      | 0       | 0       | 2       |
| Exports  | ..                            | ..     | ..     | ..      | 2       | 39      |
| Losses   | 3499                          | 4890   | 4364   | 3707    | 2873    | 4175    |
| Consumption  | 62947                         | 66065  | 67836  | 67650   | 70830   | 70526   |
| Energy industries own use                              | 702                           | 864    | 688    | 643     | 659     | 727     |
| By industry and construction                           | 42154                         | 42742  | 43333  | 42267   | 43611   | 41608   |
| By transport   | 500                           | 536    | 944    | 1088    | 986     | 963     |
| By households and other cons.                          | 19591                         | 21923  | 22871  | 23652   | 25574   | 27228   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |         |         |         |
| Total main activity and autoproducer                   | 18153                         | 18515  | 20513  | 21436   | 24530   | 26309   |
| Combustible fuels                                      | 11957                         | 12105  | 13111  | 13451   | 15695   | 16500   |
| Hydro  | 5992                          | 6094   | 6445   | 6499    | 6671    | 6656    |
| Nuclear  | ..                            | ..     | ..     | ..      | ..      | ..      |
| Other  | 204                           | 316    | 957    | 1486    | 2164    | 3153    |
| Main activity  | 17116                         | 17305  | 19203  | 20108   | 22044   | 22530   |
| Combustible fuels                                      | 10974                         | 10988  | 11829  | 12132   | 13247   | 12842   |
| Hydro  | 5950                          | 6012   | 6417   | 6491    | 6635    | 6648    |
| Nuclear  | ..                            | ..     | ..     | ..      | ..      | ..      |
| Other  | 192                           | 305    | 957    | 1485    | 2162    | 3040    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |         |         |         |
| Hard Coal  | 234552                        | 285220 | 240980 | 278760  | 270099  | 280905  |
| Biogas   | 0                             | 340    | 2241   | 2794    | 2855    | 2905    |
| Gas-diesel oil   | 50654                         | 26230  | 27348  | 21586   | 21242   | 11438   |
| Fuel oil   | 8888                          | 7474   | 6908   | 3596    | 2868    | 3394    |
| Liquefied petroleum gas                                | ..                            | ..     | ..     | 47      | ..      | 95      |
| Refinery gas   | 495                           | 2624   | 0      | 0       | 0       | 0       |
| Petroleum coke   | 16088                         | 14203  | 6273   | 6533    | 7800    | 6663    |
| Natural gas  | 112082                        | 96694  | 79254  | 90267   | 99283   | 105835  |
| Fuelwood   | 154961                        | 176837 | 141213 | *146365 | *140409 | *148666 |
| Black liquor   | ..                            | ..     | ..     | *3083   | *32244  | *42295  |
| <b>Total input</b>                                     | 577720                        | 609621 | 504217 | 553030  | 576800  | 602195  |
| <b>Total production</b>                                | 177062                        | 189367 | 163584 | 173268  | 183406  | 182167  |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 31     | 32     | 31      | 32      | 30      |



## Statistics on electricity

### China

| Item   | 2012                          | 2013     | 2014     | 2015     | 2016     | 2017     |
|--|-------------------------------|----------|----------|----------|----------|----------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |          |          |          |          |          |
| Total main activity and autoproducer                   | 4987553                       | 5431637  | 5649583  | 5814573  | 6145886  | 6495143  |
| Combustible fuels                                      | 3892814                       | 4247009  | 4268649  | 4284188  | 4437068  | 4662739  |
| Hydro  | 872107                        | 920291   | 1064337  | 1130270  | 1193374  | 1189840  |
| Nuclear  | 97394                         | 111613   | 132538   | 170789   | 213287   | 248070   |
| Other  | 125238                        | 152724   | 184059   | 229326   | 302157   | 394494   |
| Main activity  | 4671846                       | 5087205  | 5303396  | 5467125  | 5786040  | 6116995  |
| Combustible fuels                                      | 3577107                       | 3902577  | 3922462  | 3936740  | 4077222  | 4284591  |
| Hydro  | 872107                        | 920291   | 1064337  | 1130270  | 1193374  | 1189840  |
| Nuclear  | 97394                         | 111613   | 132538   | 170789   | 213287   | 248070   |
| Other  | 125238                        | 152724   | 184059   | 229326   | 302157   | 394494   |
| Own use in electricity, CHP and heat plants            | 367045                        | 404279   | 419079   | 444674   | 494849   | 509633   |
| Net production   | 4620508                       | 5027358  | 5230504  | 5369899  | 5651037  | 5985510  |
| Imports  | 6874                          | 7438     | 6750     | 6210     | 6185     | 6423     |
| Exports  | 17653                         | 18669    | 18158    | 18654    | 18907    | 19470    |
| Losses   | 289616                        | 314071   | 309988   | 298786   | 306293   | 319583   |
| Consumption  | 4319603                       | 4701991  | 4909301  | 5058537  | 5331967  | 5652882  |
| Energy industries own use                              | 197977                        | 217886   | 222925   | 227133   | 230306   | 246475   |
| By industry and construction                           | 2829423                       | 3054959  | 3200445  | 3254272  | 3353403  | 3499216  |
| By transport   | 91537                         | 100092   | 105924   | 112561   | 125149   | 141798   |
| By households and other cons.                          | 1200666                       | 1329054  | 1380007  | 1464571  | 1623109  | 1765392  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |          |          |          |          |          |
| Total main activity and autoproducer                   | 1228747                       | 1342467  | 1473101  | 1628711  | 1763172  | 1839360  |
| Combustible fuels                                      | 888257                        | 945120   | 1014410  | 1095840  | 1160274  | 1149480  |
| Hydro  | 257090                        | 288777   | 313981   | 331671   | 344371   | 356640   |
| Nuclear  | 12570                         | 14660    | 20080    | 27170    | 33642    | 35820    |
| Other  | 70830                         | 93910    | 124630   | 174030   | 224885   | 297420   |
| Main activity  | 1152550                       | 1259100  | 1381890  | 1526280  | 1651542  | 1781960  |
| Combustible fuels                                      | 819680                        | 870090   | 932320   | 1005540  | 1060944  | 1104950  |
| Hydro  | 249470                        | 280440   | 304860   | 319540   | 332071   | 343770   |
| Nuclear  | 12570                         | 14660    | 20080    | 27170    | 33642    | 35820    |
| Other  | 70830                         | 93910    | 124630   | 174030   | 224885   | 297420   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |          |          |          |          |          |
| Hard Coal  | 36030806                      | 38346504 | 36892143 | 36349633 | 37620001 | 39127978 |
| Gas-diesel oil   | 16344                         | 16426    | 11107    | 9615     | 12552    | 10268    |
| Refinery gas   | 0                             | 0        | 0        | 24958    | 27938    | 33180    |
| Petroleum coke   | 42455                         | 34983    | 37161    | 44288    | 49280    | 47405    |
| Natural gas  | 981657                        | 1061128  | 1137996  | 1405429  | 1647023  | 1779527  |
| Gasworks gas   | 76274                         | 82138    | 85229    | 91643    | 119217   | 145944   |
| Coke-oven gas  | 238945                        | 274931   | 299059   | 305213   | 347514   | 342284   |
| Blast furnace gas                                      | 362066                        | 468351   | 539699   | 552103   | 641506   | 713820   |
| Vegetal waste  | 153223                        | 189996   | 229758   | 310173   | 356699   | 412563   |
| Industrial waste                                       | 157922                        | 177157   | 186570   | 158824   | 164335   | 212014   |
| Others   | 97723                         | 91090    | 34479    | 24810    | 20794    | 18355    |
| <b>Total input</b>                                     | 38157415                      | 40742704 | 39453201 | 39276687 | 41006857 | 42843337 |
| <b>Total production</b>                                | 14014130                      | 15289234 | 15367138 | 15423075 | 15973446 | 16785860 |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 38       | 39       | 39       | 39       | 39       |

Statistics on electricity

China, Hong Kong SAR

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 38752                         | 39063  | 39803  | 37924  | 38154  | 36970  |
| Combustible fuels                                      | 38752                         | 39063  | 39803  | 37924  | 38154  | 36970  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | 38752                         | 39063  | 39803  | 37924  | 38154  | 36970  |
| Combustible fuels                                      | 38752                         | 39063  | 39803  | 37924  | 38154  | 36970  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 0                             | 0      | 0      | 0      | 0      | 0      |
| Net production   | 38752                         | 39063  | 39803  | 37924  | 38154  | 36970  |
| Imports  | 11156                         | 9969   | 10288  | 11742  | 11621  | 12576  |
| Exports  | 1838                          | 1650   | 1226   | 1187   | 1205   | 1341   |
| Losses   | 5039                          | 4826   | 4986   | 4567   | 4542   | 4373   |
| Consumption  | 43031                         | 42556  | 43880  | 43912  | 44028  | 43832  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 3134                          | 3108   | 3134   | 3177   | 3126   | 3110   |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 39897                         | 39448  | 40746  | 40735  | 40902  | 40722  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 12625                         | 12625  | 12625  | 12625  | 12625  | 12492  |
| Combustible fuels                                      | 12625                         | 12625  | 12625  | 12625  | 12625  | 12492  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | 12625                         | 12625  | 12625  | 12625  | 12625  | 12492  |
| Combustible fuels                                      | 12625                         | 12625  | 12625  | 12625  | 12625  | 12492  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 305150                        | 325274 | 340806 | 280287 | 280313 | 262592 |
| Gas-diesel oil   | 4085                          | 602    | 2064   | 2623   | 3827   | 4257   |
| Fuel oil   | 3798                          | 1212   | 40     | 0      | 0      | 0      |
| Natural gas  | 82075                         | 79589  | 73829  | 103478 | 106574 | 106754 |
| <b>Total input</b>                                     | 395108                        | 406677 | 416739 | 386388 | 390714 | 373603 |
| <b>Total production</b>                                | 139507                        | 140627 | 143291 | 136526 | 137354 | 133092 |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 35     | 34     | 35     | 35     | 36     |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 561                           | 413   | 641   | 962   | 988   | 1465  |
| Combustible fuels                                      | 561                           | 413   | 641   | 962   | 988   | 1465  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 392                           | 227   | 435   | 753   | 787   | 1260  |
| Combustible fuels                                      | 392                           | 227   | 435   | 753   | 787   | 1260  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 44                            | 35    | 42    | 59    | 58    | 66    |
| Net production   | 517                           | 378   | 599   | 903   | 930   | 1399  |
| Imports  | 3855                          | 4059  | 4099  | 4054  | 4306  | 3952  |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 167                           | 146   | 166   | 124   | 158   | 139   |
| Consumption  | 4205                          | 4290  | 4532  | 4833  | 5078  | 5211  |
| Energy industries own use                              | 2                             | 2     | 2     | 2     | 2     | 2     |
| By industry and construction                           | 213                           | 221   | 251   | 253   | 218   | 204   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 3990                          | 4067  | 4279  | 4578  | 4858  | 5005  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 504                           | 507   | 511   | 512   | 512   | 512   |
| Combustible fuels                                      | 504                           | 507   | 511   | 512   | 512   | 512   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 472                           | 472   | 472   | 472   | 472   | 472   |
| Combustible fuels                                      | 472                           | 472   | 472   | 472   | 472   | 472   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 0                             | 0     | 0     | 430   | 86    | 43    |
| Fuel oil   | 2909                          | 1778  | 1737  | 5616  | 6100  | 4727  |
| Natural gas  | 0                             | 0     | 2210  | 0     | 0     | 6344  |
| Municipal waste  | *4104                         | *4374 | *4698 | *4968 | *5292 | *5616 |
| <b>Total input</b>                                     | *7013                         | *6152 | *8645 | 11014 | 11478 | 16730 |
| <b>Total production</b>                                | 2020                          | 1487  | 2308  | 3463  | 3557  | 5274  |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 24    | 27    | 31    | 31    | 32    |

**Statistics on electricity**
**Colombia**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 68344                         | 69836  | 72846  | 75151  | 74583  | 75125  |
| Combustible fuels                                      | 20689                         | 25401  | 27936  | 30272  | 27605  | 17641  |
| Hydro  | 47600                         | 44377  | 44852  | 44821  | 46927  | 57476  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 55                            | 58     | 58     | 58     | 51     | 8      |
| Main activity  | 64554                         | 62090  | 64287  | 66538  | 65933  | 66557  |
| Combustible fuels                                      | 17031                         | 17776  | 19516  | 21798  | 19094  | 9221   |
| Hydro  | 47468                         | 44256  | 44713  | 44682  | 46788  | 57328  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 55                            | 58     | 58     | 58     | 51     | 8      |
| Own use in electricity, CHP and heat plants            | 1844                          | 1912   | 1977   | 2046   | 2027   | 2046   |
| Net production   | 66500                         | 67924  | 70869  | 73105  | 72556  | 73079  |
| Imports  | 7                             | 29     | 47     | 45     | 378    | 78     |
| Exports  | 713                           | 1374   | 849    | 484    | 45     | 9      |
| Losses   | 7700                          | 5262   | 5850   | 7118   | 7000   | 5560   |
| Consumption  | 59285                         | 60847  | 60328  | 60714  | 64920  | 67434  |
| Energy industries own use                              | ..                            | 4463   | 4587   | 4679   | 4771   | 5859   |
| By industry and construction                           | 22626                         | 18972  | 16374  | 17262  | 18932  | 19633  |
| By transport   | 65                            | 75     | 77     | 81     | 96     | 97     |
| By households and other cons.                          | 36594                         | 37337  | 39290  | 38692  | 41121  | 41845  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 15033                         | 16177  | 15823  | 17661  | 17597  | 17837  |
| Combustible fuels                                      | 5088                          | 6131   | 6043   | 6093   | 5972   | 6084   |
| Hydro  | 9870                          | 9967   | 9696   | 11484  | 11606  | 11726  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 75                            | 79     | 84     | 84     | 18     | 28     |
| Main activity  | 14413                         | 14557  | 14203  | 16041  | 15973  | 16213  |
| Combustible fuels                                      | 4560                          | 4603   | 4515   | 4565   | 4442   | 4554   |
| Hydro  | 9778                          | 9875   | 9604   | 11392  | 11512  | 11632  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 75                            | 79     | 84     | 84     | 18     | 28     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 32841                         | 34290  | 71029  | 64742  | 65504  | 32521  |
| Crude oil  | ..                            | ..     | ..     | 10110  | 10702  | 11379  |
| Gas-diesel oil   | 1763                          | 12599  | 12599  | 23779  | 28495  | 13373  |
| Fuel oil   | 2384                          | 2101   | 2303   | 6650   | 7231   | 768    |
| Liquefied petroleum gas                                | 994                           | 1066   | 1082   | 1043   | 1083   | ..     |
| Other kerosene   | ..                            | 88     | 44     | 482    | 745    | ..     |
| Natural gas  | 108401                        | 132546 | 156632 | 153647 | 138920 | 110546 |
| Blast furnace gas                                      | 590                           | 525    | 400    | 410    | 384    | 346    |
| Bagasse  | 30672                         | 31568  | 13805  | 16302  | 14781  | 14387  |
| Vegetal waste  | 661                           | 572    | ..     | ..     | ..     | ..     |
| <b>Total input</b>                                     | 178306                        | 215354 | 257893 | 277165 | 267845 | 183319 |
| <b>Total production</b>                                | 74480                         | 91444  | 100570 | 108979 | 99378  | 63508  |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 42     | 39     | 39     | 37     | 35     |

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

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | *58                           | *56  | *53  | *53  | *58  | *92  |
| Combustible fuels                                      | *58                           | *56  | *53  | *53  | *58  | *92  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | *58                           | *56  | *53  | *53  | *58  | *92  |
| Combustible fuels                                      | *58                           | *56  | *53  | *53  | *58  | *92  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | *58                           | *56  | *53  | *53  | *58  | *92  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *12                           | *12  | *11  | *10  | *10  | *16  |
| Consumption  | *46                           | *44  | *42  | *42  | *40  | *55  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *46                           | *44  | *42  | *42  | *40  | *55  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *23                           | *24  | *25  | *26  | *26  | *26  |
| Combustible fuels                                      | *23                           | *24  | *25  | *26  | *26  | *26  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | *23                           | *24  | *25  | *26  | *26  | *26  |
| Combustible fuels                                      | *23                           | *24  | *25  | *26  | *26  | *26  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *632                          | *606 | *589 | *593 | *597 | *933 |
| <b>Total input</b>                                     | *632                          | *606 | *589 | *593 | *597 | *933 |
| <b>Total production</b>                                | *210                          | *202 | *189 | *190 | *210 | *329 |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33   | 32   | 32   | 35   | 35   |

**Statistics on electricity**
**Congo**

| Item   | 2012                          | 2013 | 2014 | 2015  | 2016  | 2017  |
|--|-------------------------------|------|------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |       |       |       |
| Total main activity and autoproducer                   | 1828                          | 1965 | 1996 | 3298  | 3494  | 4022  |
| Combustible fuels                                      | 713                           | 738  | 788  | 1624  | 1791  | 2243  |
| Hydro  | 987                           | 971  | 952  | 1098  | 1127  | 1203  |
| Nuclear  | ..                            | ..   | ..   | ..    | ..    | ..    |
| Other  | 128                           | 256  | 256  | 576   | 576   | 576   |
| Main activity  | 1115                          | 1227 | 1208 | 1674  | 1703  | 1779  |
| Combustible fuels                                      | ..                            | ..   | ..   | ..    | ..    | ..    |
| Hydro  | 987                           | 971  | 952  | 1098  | 1127  | 1203  |
| Nuclear  | ..                            | ..   | ..   | ..    | ..    | ..    |
| Other  | 128                           | 256  | 256  | 576   | 576   | 576   |
| Own use in electricity, CHP and heat plants            | 206                           | 221  | 224  | 370   | 392   | 451   |
| Net production   | 1622                          | 1744 | 1772 | 2928  | 3102  | 3571  |
| Imports  | 25                            | 56   | 18   | 13    | 21    | 22    |
| Exports  | 0                             | 19   | 22   | 33    | 22    | 22    |
| Losses   | 757                           | 814  | 827  | 1234  | 1362  | 1324  |
| Consumption  | 775                           | 837  | 833  | 1318  | 1439  | 1555  |
| Energy industries own use                              | ..                            | ..   | ..   | ..    | ..    | ..    |
| By industry and construction                           | 362                           | 391  | 389  | 75    | 84    | 103   |
| By transport   | ..                            | ..   | ..   | ..    | ..    | ..    |
| By households and other cons.                          | 413                           | 446  | 444  | 1243  | 1355  | 1452  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |       |       |       |
| Total main activity and autoproducer                   | *430                          | *630 | *690 | 700   | *700  | *700  |
| Combustible fuels                                      | *210                          | *310 | *370 | 391   | *391  | *391  |
| Hydro  | *220                          | *220 | *220 | 209   | *209  | *209  |
| Nuclear  | ..                            | ..   | ..   | ..    | ..    | ..    |
| Other  | ..                            | *100 | *100 | *100  | *100  | *100  |
| Main activity  | *230                          | *330 | *340 | 350   | *350  | *350  |
| Combustible fuels                                      | *10                           | *10  | *20  | 41    | *41   | *41   |
| Hydro  | *220                          | *220 | *220 | 209   | *209  | *209  |
| Nuclear  | ..                            | ..   | ..   | ..    | ..    | ..    |
| Other  | ..                            | *100 | *100 | *100  | *100  | *100  |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |       |       |       |
| Gas-diesel oil   | ..                            | ..   | ..   | 2709  | 2107  | 1247  |
| Fuel oil   | ..                            | ..   | ..   | 687   | 485   | 364   |
| Natural gas  | 8293                          | 8584 | 9166 | 19968 | 22868 | 24045 |
| <b>Total input</b>                                     | 8293                          | 8584 | 9166 | 23364 | 25460 | 25656 |
| <b>Total production</b>                                | 2567                          | 2657 | 2837 | 5846  | 6448  | 8075  |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 31   | 31   | 25    | 25    | 31    |

Statistics on electricity

Cook Islands

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | *33                           | *33  | *32  | *29  | *33  | *37  |
| Combustible fuels                                      | *32                           | *31  | *29  | *27  | *30  | *33  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *1                            | *1   | *3   | *2   | *4   | *4   |
| Main activity  | *33                           | *33  | *32  | *29  | *33  | *37  |
| Combustible fuels                                      | *32                           | *31  | *29  | *27  | *30  | *33  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *1                            | *1   | *3   | *2   | *4   | *4   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | *33                           | *33  | *32  | *29  | *33  | *37  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | ..                            | ..   | ..   | ..   | ..   | ..   |
| Consumption  | 33                            | 33   | 32   | 29   | 33   | 36   |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 33                            | 33   | 32   | 29   | 33   | 36   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *12                           | *12  | *10  | *13  | *13  | *14  |
| Combustible fuels                                      | *11                           | *11  | *8   | *11  | *11  | *11  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *1                            | *1   | *2   | *2   | *2   | *2   |
| Main activity  | *12                           | *12  | *10  | *13  | *13  | *14  |
| Combustible fuels                                      | *11                           | *11  | *8   | *11  | *11  | *11  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *1                            | *1   | *2   | *2   | *2   | *2   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *340                          | *335 | *327 | *301 | *314 | *344 |
| <b>Total input</b>                                     | *340                          | *335 | *327 | *301 | *314 | *344 |
| <b>Total production</b>                                | *113                          | *112 | *105 | *97  | *107 | *119 |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33   | 32   | 32   | 34   | 35   |

**Statistics on electricity**
**Costa Rica**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 10174                         | 10234 | 10216 | 10812 | 10880 | 11332 |
| Combustible fuels                                      | 1009                          | 1379  | 1224  | 287   | 365   | 222   |
| Hydro  | 7233                          | 6851  | 6717  | 8067  | 8026  | 8677  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1932                          | 2004  | 2275  | 2458  | 2489  | 2433  |
| Main activity  | 7988                          | 8077  | 7858  | 7797  | 8028  | 11123 |
| Combustible fuels                                      | 830                           | 1196  | 1043  | 108   | 193   | 37    |
| Hydro  | 5877                          | 5490  | 5379  | 6256  | 6416  | 8677  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1281                          | 1391  | 1436  | 1433  | 1420  | 2408  |
| Own use in electricity, CHP and heat plants            | 109                           | 109   | 117   | 124   | 124   | 129   |
| Net production   | 10066                         | 10125 | 10099 | 10688 | 10756 | 11203 |
| Imports  | 419                           | 531   | 759   | 537   | 807   | 551   |
| Exports  | 402                           | 484   | 555   | 643   | 657   | 741   |
| Losses   | 1083                          | 1083  | 1106  | 1161  | 1130  | 1096  |
| Consumption  | 9019                          | 9102  | 9207  | 9428  | 9785  | 9901  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 1893                          | 1897  | 1858  | 1873  | 1956  | 2026  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 7126                          | 7205  | 7349  | 7556  | 7829  | 7875  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 2724                          | 2814  | 3274  | 3626  | 3824  | 3557  |
| Combustible fuels                                      | 656                           | 638   | 622   | 661   | 597   | 617   |
| Hydro  | 1700                          | 1729  | 2045  | 2152  | 2328  | 2328  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 368                           | *448  | 607   | *813  | *899  | 612   |
| Main activity  | 2354                          | 2440  | 2845  | 3061  | 3217  | 3490  |
| Combustible fuels                                      | 635                           | 613   | 597   | 636   | 572   | 572   |
| Hydro  | 1490                          | 1519  | 1835  | 1942  | 2118  | 2328  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 229                           | 309   | 413   | 483   | 527   | 590   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Biogas   | 1                             | 1     | 1     | 1     | 1     | 1     |
| Gas-diesel oil   | 850                           | 2690  | 2609  | 56    | 163   | 29    |
| Fuel oil   | 6390                          | 8093  | 7102  | 892   | 1520  | 334   |
| Bagasse  | 1196                          | 1196  | 1129  | 1196  | 1196  | 1209  |
| Vegetal waste  | 118                           | 118   | 118   | 118   | 118   | 118   |
| <b>Total input</b>                                     | 8556                          | 12099 | 10959 | 2264  | 2998  | 1692  |
| <b>Total production</b>                                | 3632                          | 4965  | 4406  | 1035  | 1312  | 799   |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 41    | 40    | 46    | 44    | 47    |



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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 7016                          | 7650  | 8286  | 8711  | 10253 | 10121 |
| Combustible fuels                                      | 5227                          | 6044  | 6373  | 7359  | 8724  | 8074  |
| Hydro  | 1789                          | 1606  | 1913  | 1352  | 1529  | 2047  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 6948                          | 7580  | 8214  | 8606  | 10080 | 9948  |
| Combustible fuels                                      | 5159                          | 5974  | 6301  | 7254  | 8551  | 7901  |
| Hydro  | 1789                          | 1606  | 1913  | 1352  | 1529  | 2047  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 351                           | 383   | 414   | 436   | 513   | 1420  |
| Net production   | 6665                          | 7267  | 7872  | 8275  | 9740  | 8701  |
| Imports  | 54                            | 0     | 0     | 23    | 19    | 37    |
| Exports  | 645                           | 820   | 877   | 872   | 1877  | 1247  |
| Losses   | 1366                          | 1680  | 1187  | 1744  | 1627  | 1197  |
| Consumption  | 4708                          | 5046  | 5561  | 6023  | 6615  | 6318  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 1737                          | 1900  | 1881  | 2011  | 2177  | 2177  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 2971                          | 3146  | 3680  | 4012  | 4438  | 4141  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *1414                         | *1525 | *1655 | 1909  | 1909  | 2195  |
| Combustible fuels                                      | *1043                         | *1154 | *1223 | 1305  | 1305  | 1316  |
| Hydro  | *371                          | *371  | *432  | 604   | 604   | 879   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *1391                         | *1502 | *1632 | 1886  | 1886  | 2172  |
| Combustible fuels                                      | *1020                         | *1131 | *1200 | 1282  | 1282  | 1293  |
| Hydro  | *371                          | *371  | *432  | 604   | 604   | 879   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 129                           | 129   | 129   | 129   | 99    | 86    |
| Fuel oil   | 5090                          | 2303  | 6141  | 4848  | 893   | 889   |
| Natural gas  | 60590                         | 64384 | 64991 | 67526 | 81287 | 73437 |
| Vegetal waste  | 1401                          | 1439  | 1478  | 1885  | 1941  | 1941  |
| <b>Total input</b>                                     | 67210                         | 68255 | 72739 | 74388 | 84219 | 76353 |
| <b>Total production</b>                                | 18817                         | 21758 | 22943 | 26492 | 31405 | 29066 |
| <b>Estimated efficiency (% of production to input)</b> | 28                            | 32    | 32    | 36    | 37    | 38    |

**Statistics on electricity**
**Croatia**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 10755                         | 14052 | 13554 | 11403 | 12820 | 11986 |
| Combustible fuels                                      | 5425                          | 4797  | 3664  | 3994  | 4682  | 5195  |
| Hydro  | 4999                          | 8727  | 9125  | 6556  | 7058  | 5508  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 331                           | 528   | 765   | 853   | 1080  | 1283  |
| Main activity  | 10367                         | 13720 | 13209 | 11087 | 12482 | 11566 |
| Combustible fuels                                      | 5042                          | 4470  | 3326  | 3684  | 4351  | 4781  |
| Hydro  | 4994                          | 8722  | 9118  | 6550  | 7051  | 5502  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 331                           | 528   | 765   | 853   | 1080  | 1283  |
| Own use in electricity, CHP and heat plants            | 359                           | 392   | 395   | 420   | 536   | 463   |
| Net production   | 10396                         | 13660 | 13159 | 10983 | 12284 | 11523 |
| Imports  | 13174                         | 11260 | 10898 | 13158 | 12398 | 12158 |
| Exports  | 5743                          | 7391  | 6945  | 6369  | 6867  | 5204  |
| Losses   | 1887                          | 1944  | 1764  | 1802  | 1806  | 1765  |
| Consumption  | 15940                         | 15585 | 15348 | 15970 | 16009 | 16715 |
| Energy industries own use                              | 590                           | 513   | 515   | 627   | 709   | 733   |
| By industry and construction                           | 3039                          | 3148  | 3291  | 3429  | 3426  | 3609  |
| By transport   | 249                           | 238   | 231   | 245   | 251   | 268   |
| By households and other cons.                          | 12062                         | 11686 | 11311 | 11669 | 11623 | 12105 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 4222                          | 4312  | 4428  | 4764  | 4794  | 4982  |
| Combustible fuels                                      | 1897                          | 1849  | 1933  | 2124  | 2082  | 2141  |
| Hydro  | 2141                          | 2190  | 2114  | 2207  | 2175  | 2205  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 184                           | 273   | 381   | *433  | 537   | 636   |
| Main activity  | 4021                          | 4155  | 4271  | 4597  | 4627  | 4822  |
| Combustible fuels                                      | 1698                          | 1694  | 1778  | 1959  | 1917  | 1984  |
| Hydro  | 2139                          | 2188  | 2112  | 2205  | 2173  | 2202  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 184                           | 273   | 381   | *433  | 537   | 636   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 21147                         | 23519 | 22796 | 21951 | 24409 | 13222 |
| Brown Coal   | 120                           | 123   | 143   | 128   | 152   | 137   |
| Biogas   | 437                           | 655   | 974   | 1438  | 1881  | 2644  |
| Gas-diesel oil   | 86                            | 43    | 43    | 86    | 43    | 86    |
| Fuel oil   | 5414                          | 2222  | 1535  | 2303  | 404   | 1697  |
| Liquefied petroleum gas                                | 47                            | 0     | ..    | ..    | ..    | ..    |
| Refinery gas   | 149                           | 99    | 99    | 149   | 149   | 248   |
| Petroleum coke   | 0                             | 0     | ..    | ..    | ..    | ..    |
| Natural gas  | 28239                         | 24563 | 15770 | 17107 | 20405 | 31889 |
| Fuelwood   | 1046                          | 1146  | 1190  | 2189  | 3730  | 4245  |
| <b>Total input</b>                                     | 56684                         | 52370 | 42550 | 45350 | 51173 | 54167 |
| <b>Total production</b>                                | 19530                         | 17269 | 13190 | 14378 | 16855 | 18702 |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 33    | 31    | 32    | 33    | 35    |

**Statistics on electricity**
**Cuba**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 18428                         | 19156  | 19366  | 20288  | 20459  | 20558  |
| Combustible fuels                                      | 18295                         | 19004  | 19225  | 20190  | 20334  | 20394  |
| Hydro  | 111                           | 127    | 104    | 48     | 64     | 83     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | *22                           | *26    | *37    | *50    | *60    | *81    |
| Main activity  | 17596                         | 18263  | 18529  | 19390  | 19509  | 19595  |
| Combustible fuels                                      | 17463                         | 18110  | 18387  | 19292  | 19385  | 19431  |
| Hydro  | 111                           | 127    | 104    | 48     | 64     | 83     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | *22                           | *26    | *37    | *50    | *60    | *81    |
| Own use in electricity, CHP and heat plants            | 982                           | 1042   | 1013   | 993    | 1058   | 1891   |
| Net production   | 17446                         | 18115  | 18354  | 19295  | 19400  | 18667  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 2902                          | 2927   | 2961   | 3135   | 3117   | 3177   |
| Consumption  | 14544                         | 15188  | 15392  | 16160  | 16283  | 15490  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 3918                          | 3924   | 3679   | 3793   | 3772   | 3067   |
| By transport   | 258                           | 296    | 302    | 312    | 287    | 293    |
| By households and other cons.                          | 10368                         | 10969  | 11411  | 12056  | 12224  | 12130  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 5687                          | 5927   | 6191   | 6314   | 6454   | 6476   |
| Combustible fuels                                      | 5613                          | 5842   | 6106   | 6217   | 6341   | 6325   |
| Hydro  | 62                            | 63     | 63     | 63     | 66     | 66     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | *12                           | *22    | *23    | *34    | *47    | *85    |
| Main activity  | 5167                          | 5457   | 5694   | 5785   | 5960   | 5945   |
| Combustible fuels                                      | 5094                          | 5372   | 5608   | 5688   | 5847   | 5794   |
| Hydro  | 62                            | 63     | 63     | 63     | 66     | 66     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | *12                           | *22    | *23    | *34    | *47    | *85    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | *18748                        | *19780 | *18877 | *19823 | *13721 | *22545 |
| Fuel oil   | 157669                        | 161224 | 166347 | 168440 | 171203 | 143973 |
| Natural gas  | *14135                        | *14559 | *14996 | *16705 | *15913 | 16143  |
| Bagasse  | 11274                         | 10927  | 12657  | 13251  | *13128 | *12996 |
| <b>Total input</b>                                     | 201826                        | 206490 | 212876 | 218219 | 213965 | 195658 |
| <b>Total production</b>                                | 65863                         | 68413  | 69209  | 72683  | 73203  | 73418  |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33     | 33     | 33     | 34     | 38     |

## Statistics on electricity

### Curaçao

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 910                           | 894  | 872  | 843  | 884  | 891  |
| Combustible fuels                                      | 710                           | 689  | 659  | 626  | 655  | 547  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 200                           | 205  | 213  | 217  | 229  | 344  |
| Main activity  | 428                           | 420  | 410  | 386  | 416  | 419  |
| Combustible fuels                                      | 228                           | 215  | 197  | 169  | 187  | 75   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 200                           | 205  | 213  | 217  | 229  | 344  |
| Own use in electricity, CHP and heat plants            | 85                            | 84   | 82   | 23   | 83   | 84   |
| Net production   | 825                           | 810  | 790  | 820  | 801  | 807  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 146                           | 143  | 140  | 138  | 141  | 143  |
| Consumption  | 679                           | 667  | 650  | 682  | 660  | 665  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 373                           | 366  | 357  | 353  | 362  | 365  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 306                           | 301  | 293  | *329 | 298  | 300  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *265                          | *268 | *272 | 301  | *307 | *207 |
| Combustible fuels                                      | *235                          | *235 | *235 | 262  | *262 | *150 |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *30                           | *33  | *37  | 39   | 45   | 57   |
| Main activity  | *132                          | *135 | *139 | 155  | *161 | *123 |
| Combustible fuels                                      | *102                          | *102 | *102 | 116  | *116 | *66  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *30                           | *33  | *37  | 39   | 45   | 57   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Fuel oil   | 6504                          | 6302 | 6020 | 5494 | 5939 | 4888 |
| <b>Total input</b>                                     | 6504                          | 6302 | 6020 | 5494 | 5939 | 4888 |
| <b>Total production</b>                                | 2556                          | 2480 | 2372 | 2254 | 2358 | 1969 |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 39   | 39   | 41   | 40   | 40   |

## Statistics on electricity

### Cyprus

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 4717                          | 4290  | 4350  | 4533  | 4887  | 5004  |
| Combustible fuels                                      | 4510                          | 4012  | 4084  | 4186  | 4515  | 4621  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 207                           | 278   | 266   | 347   | 372   | 383   |
| Main activity  | 4657                          | 4230  | 4272  | 4447  | 4789  | 4896  |
| Combustible fuels                                      | 4452                          | 3954  | 4026  | 4142  | 4469  | 4574  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 205                           | 276   | 246   | 305   | 320   | 322   |
| Own use in electricity, CHP and heat plants            | 174                           | 171   | 205   | 221   | 219   | 226   |
| Net production   | 4543                          | 4119  | 4145  | 4312  | 4668  | 4778  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 137                           | 186   | 173   | 215   | 263   | 228   |
| Consumption  | 4417                          | 3935  | 3972  | 4098  | 4404  | 4546  |
| Energy industries own use                              | 8                             | 14    | 7     | 7     | 5     | 5     |
| By industry and construction                           | 485                           | 462   | 463   | 459   | 486   | 518   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 3924                          | 3459  | 3502  | 3632  | 3913  | 4023  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 1726                          | 1696  | 1721  | 1752  | 1756  | 1782  |
| Combustible fuels                                      | 1561                          | 1514  | 1510  | 1519  | 1515  | 1515  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 165                           | 182   | 211   | 234   | 242   | 268   |
| Main activity  | 1689                          | 1656  | 1671  | 1685  | 1689  | 1710  |
| Combustible fuels                                      | 1525                          | 1478  | 1478  | 1478  | 1478  | 1478  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 164                           | 178   | 193   | 208   | 212   | 233   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Biogas   | 283                           | 289   | 292   | 309   | 312   | 323   |
| Gas-diesel oil   | 9288                          | 10234 | 5375  | 3913  | 6536  | 11051 |
| Fuel oil   | 36279                         | 26381 | 32199 | 34663 | 35673 | 31472 |
| <b>Total input</b>                                     | 45850                         | 36904 | 37866 | 38885 | 42521 | 42846 |
| <b>Total production</b>                                | 16236                         | 14443 | 14702 | 15070 | 16254 | 16636 |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 39    | 39    | 39    | 38    | 39    |

## Statistics on electricity

### Czechia

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 87418                         | 86913  | 86148  | 83892  | 83309  | 87049  |
| Combustible fuels                                      | 51595                         | 49940  | 50174  | 51063  | 53279  | 52782  |
| Hydro  | 2860                          | 3639   | 2961   | 3071   | 3202   | 3040   |
| Nuclear  | 30324                         | 30745  | 30325  | 26841  | 24104  | 28340  |
| Other  | 2639                          | 2589   | 2688   | 2917   | 2724   | 2887   |
| Main activity  | 79473                         | 78254  | 77025  | 74637  | 73864  | 77939  |
| Combustible fuels                                      | 44225                         | 41952  | 41676  | 42427  | 44503  | 44361  |
| Hydro  | 2337                          | 3018   | 2397   | 2505   | 2604   | 2429   |
| Nuclear  | 30324                         | 30745  | 30325  | 26841  | 24104  | 28340  |
| Other  | 2587                          | 2539   | 2627   | 2864   | 2653   | 2809   |
| Own use in electricity, CHP and heat plants            | 7109                          | 7136   | 7032   | 6976   | 6911   | 7163   |
| Net production   | 80309                         | 79777  | 79116  | 76916  | 76398  | 79886  |
| Imports  | 11587                         | 10571  | 11842  | 16146  | 13817  | 15072  |
| Exports  | 28707                         | 27458  | 28142  | 28661  | 24791  | 28109  |
| Losses   | 4187                          | 4098   | 3847   | 4067   | 4080   | 4375   |
| Consumption  | 56951                         | 56340  | 56449  | 58045  | 59200  | 60590  |
| Energy industries own use                              | 3067                          | 3123   | 3233   | 3568   | 3348   | 3256   |
| By industry and construction                           | 22377                         | 21286  | 22130  | 22645  | 23006  | 23810  |
| By transport   | 1614                          | 1592   | 1559   | 1609   | 1636   | 1697   |
| By households and other cons.                          | 29893                         | 30339  | 29527  | 30223  | 31210  | 31827  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 20520                         | 21079  | 21920  | 21866  | 21989  | 22267  |
| Combustible fuels                                      | 11988                         | 12211  | 13032  | 12960  | 13087  | 13334  |
| Hydro  | 2212                          | 2252   | 2252   | 2260   | 2262   | 2265   |
| Nuclear  | 4040                          | 4290   | 4290   | 4290   | 4290   | 4290   |
| Other  | 2280                          | 2326   | 2346   | 2356   | 2350   | 2378   |
| Main activity  | 18622                         | 19178  | 20040  | 19990  | 20096  | 20331  |
| Combustible fuels                                      | 10273                         | 10498  | 11342  | 11275  | 11385  | 11582  |
| Hydro  | 2029                          | 2064   | 2062   | 2069   | 2071   | 2081   |
| Nuclear  | 4040                          | 4290   | 4290   | 4290   | 4290   | 4290   |
| Other  | 2280                          | 2326   | 2346   | 2356   | 2350   | 2378   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 84582                         | 90684  | 85794  | 95799  | 96998  | 81236  |
| Brown Coal   | 457562                        | 426641 | 411944 | 417365 | 416741 | 417688 |
| Biogas   | 11552                         | 18284  | 19693  | 19813  | 18272  | 18808  |
| Natural gas  | 23654                         | 28457  | 24489  | 28224  | 38346  | 36325  |
| Gasworks gas   | 16182                         | 16126  | 16999  | 16474  | 16658  | 14892  |
| Coke-oven gas  | 6221                          | 6372   | 6328   | 5278   | 4717   | 6613   |
| Blast furnace gas                                      | 7129                          | 8575   | 8716   | 7840   | 8150   | 6694   |
| Fuelwood   | *19150                        | *19610 | *22605 | *24479 | *25123 | *27123 |
| Municipal waste  | 4410                          | 4201   | 4251   | 3953   | 4440   | 4869   |
| Other recovered gases                                  | 1225                          | 1222   | 1433   | 1108   | 1139   | 1126   |
| Others   | 3105                          | 2026   | 2309   | 2417   | 1963   | 2422   |
| <b>Total input</b>                                     | 634773                        | 622199 | 604560 | 622751 | 632547 | 617795 |
| <b>Total production</b>                                | 185742                        | 179784 | 180626 | 183827 | 191804 | 190015 |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 29     | 30     | 30     | 30     | 31     |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 7612                          | 8256  | 8850  | 8953  | 9135  | 9510  |
| Combustible fuels                                      | 26                            | 27    | 30    | 37    | 36    | 28    |
| Hydro  | 7586                          | 8229  | 8820  | 8916  | 9099  | 9482  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 7595                          | 8238  | 8824  | 8928  | 9111  | 9330  |
| Combustible fuels                                      | 9                             | 9     | 4     | 12    | 12    | 6     |
| Hydro  | 7586                          | 8229  | 8820  | 8916  | 9099  | 9324  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 480                           | 521   | 640   | 647   | 660   | 687   |
| Net production   | 7132                          | 7735  | 8210  | 8306  | 8475  | 8823  |
| Imports  | 626                           | 626   | 1138  | 20    | 20    | 668   |
| Exports  | 48                            | 48    | 69    | 422   | 420   | 62    |
| Losses   | 430                           | 466   | 1895  | 1260  | 1216  | 1443  |
| Consumption  | 7383                          | 7269  | 7899  | 7266  | 7001  | 7240  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | 17    |
| By industry and construction                           | 3652                          | 3261  | 4342  | 3994  | 3848  | 4643  |
| By transport   | 15                            | 0     | 0     | 0     | 0     | 10    |
| By households and other cons.                          | 3716                          | 4008  | 3557  | 3272  | 3153  | 2570  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *2496                         | *2508 | *2522 | *2549 | *2677 | *2698 |
| Combustible fuels                                      | *80                           | *92   | *106  | *120  | *135  | *139  |
| Hydro  | *2416                         | *2416 | *2416 | *2429 | *2542 | *2559 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *1969                         | *2079 | *2089 | *2100 | *2110 | *2130 |
| Combustible fuels                                      | *70                           | *80   | *90   | *100  | *110  | *117  |
| Hydro  | *1899                         | *1999 | *1999 | *2000 | *2000 | *2013 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 43                            | 43    | 43    | 129   | 129   | 86    |
| Natural gas  | 0                             | 0     | 80    | 46    | 14    | 12    |
| Fuelwood   | *261                          | *270  | *278  | *301  | *311  | *301  |
| <b>Total input</b>                                     | *304                          | *313  | *401  | *476  | *454  | *399  |
| <b>Total production</b>                                | 94                            | 97    | 108   | 133   | 130   | 101   |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 31    | 27    | 28    | 29    | 25    |

## Statistics on electricity

### Denmark

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 30701                         | 34743  | 32185  | 28935  | 30536  | 31040  |
| Combustible fuels                                      | 20310                         | 23089  | 18495  | 14180  | 16991  | 15491  |
| Hydro  | 17                            | 13     | 15     | 18     | 19     | 18     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 10374                         | 11641  | 13675  | 14737  | 13526  | 15531  |
| Main activity  | 28654                         | 32315  | 29582  | 26147  | 27761  | 28201  |
| Combustible fuels                                      | 18367                         | 21179  | 16488  | 11996  | 14960  | 13403  |
| Hydro  | 17                            | 13     | 15     | 18     | 19     | 18     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 10270                         | 11123  | 13079  | 14133  | 12782  | 14780  |
| Own use in electricity, CHP and heat plants            | 1500                          | 1604   | 1369   | 1020   | 1458   | 1387   |
| Net production   | 29201                         | 33139  | 30816  | 27915  | 29078  | 29653  |
| Imports  | 15920                         | 11459  | 12702  | 15645  | 14976  | 15218  |
| Exports  | 10706                         | 10377  | 9847   | 9733   | 9919   | 10655  |
| Losses   | 2150                          | 1914   | 1974   | 1765   | 1873   | 1677   |
| Consumption  | 32073                         | 32152  | 31569  | 31750  | 32044  | 32237  |
| Energy industries own use                              | 892                           | 1046   | 794    | 901    | 938    | 938    |
| By industry and construction                           | 8543                          | 8359   | 8214   | 8364   | 8422   | 8573   |
| By transport   | 385                           | 386    | 385    | 397    | 417    | 407    |
| By households and other cons.                          | 22253                         | 22361  | 22176  | 22088  | 22267  | 22319  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 14073                         | 13809  | 13625  | 14002  | 14226  | 14363  |
| Combustible fuels                                      | 9500                          | 8410   | 8122   | 8136   | 8120   | 7926   |
| Hydro  | 9                             | 9      | 9      | 7      | 9      | 9      |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 4564                          | 5390   | 5494   | 5859   | 6097   | 6428   |
| Main activity  | 13041                         | 12664  | 12402  | 12605  | 12756  | 12811  |
| Combustible fuels                                      | 8870                          | 7836   | 7506   | 7521   | 7501   | 7280   |
| Hydro  | 9                             | 9      | 9      | 7      | 9      | 9      |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 4162                          | 4819   | 4887   | 5077   | 5246   | 5522   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 101814                        | 123557 | 97004  | 67846  | 79981  | 60557  |
| Biogas   | 3516                          | 3697   | 4316   | 4471   | 5208   | 6172   |
| Gas-diesel oil   | 1118                          | 946    | 387    | 301    | 301    | 473    |
| Fuel oil   | 2141                          | 2384   | 1454   | 1535   | 1454   | 1212   |
| Refinery gas   | 1337                          | 1337   | 1584   | 1485   | 1535   | 1337   |
| Natural gas  | 47273                         | 39517  | 23175  | 20114  | 23363  | 20551  |
| Fuelwood   | *40969                        | *42200 | *41155 | *39833 | *45796 | *61149 |
| Vegetal waste  | 0                             | 0      | 0      | 0      | 0      | 0      |
| Municipal waste  | 32282                         | 32301  | 33475  | 34362  | 34457  | 34648  |
| Other liquid biofuels                                  | 0                             | 0      | 0      | 0      | 0      | 0      |
| Others   | 47                            | 47     | 47     | 47     | 47     | ..     |
| <b>Total input</b>                                     | 230497                        | 245986 | 202598 | 169994 | 192142 | 186099 |
| <b>Total production</b>                                | 73116                         | 83120  | 66582  | 51048  | 61168  | 55768  |
| <b>Estimated efficiency (% of production to input)</b> | 32                            | 34     | 33     | 30     | 32     | 30     |



## Statistics on electricity

### Djibouti

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016 | 2017 |
|--|-------------------------------|-------|-------|-------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |      |      |
| Total main activity and autoproducer                   | 390                           | 433   | 100   | 178   | 88   | *59  |
| Combustible fuels                                      | 390                           | 433   | 100   | 178   | 88   | *59  |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Other  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Main activity  | 390                           | 433   | 100   | 178   | 88   | *59  |
| Combustible fuels                                      | 390                           | 433   | 100   | 178   | 88   | *59  |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Other  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 3                             | 0     | 0     | 0     | 0    | 0    |
| Net production   | 387                           | 433   | 100   | 178   | 88   | *59  |
| Imports  | ..                            | ..    | 345   | 314   | 450  | 508  |
| Exports  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Losses   | *90                           | *86   | *88   | *98   | *107 | *113 |
| Consumption  | *295                          | *347  | *357  | *397  | *423 | *461 |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..   | ..   |
| By industry and construction                           | ..                            | ..    | ..    | ..    | ..   | ..   |
| By transport   | ..                            | ..    | ..    | ..    | ..   | ..   |
| By households and other cons.                          | *295                          | *347  | *357  | *397  | *423 | *461 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |      |      |
| Total main activity and autoproducer                   | 130                           | 130   | 130   | 130   | 130  | 130  |
| Combustible fuels                                      | 130                           | 130   | 130   | 130   | 130  | 130  |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Other  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Main activity  | 130                           | 130   | 130   | 130   | 130  | 130  |
| Combustible fuels                                      | 130                           | 130   | 130   | 130   | 130  | 130  |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Other  | ..                            | ..    | ..    | ..    | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |      |      |
| Gas-diesel oil   | *860                          | *1548 | *1032 | *1849 | *903 | *602 |
| Fuel oil   | *2828                         | *2424 | ..    | ..    | ..   | ..   |
| <b>Total input</b>                                     | *3688                         | *3972 | *1032 | *1849 | *903 | *602 |
| <b>Total production</b>                                | 1404                          | 1558  | 361   | 640   | 316  | *211 |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 39    | 35    | 35    | 35   | 35   |

**Statistics on electricity**
**Dominica**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 150                           | 144   | 147   | 151   | 156   | 130   |
| Combustible fuels                                      | 116                           | 107   | 117   | 127   | 120   | 103   |
| Hydro  | 33                            | 37    | 31    | 24    | 36    | 27    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 108                           | 101   | 102   | 107   | 112   | 86    |
| Combustible fuels                                      | 75                            | 64    | 72    | 83    | 75    | 58    |
| Hydro  | 33                            | 37    | 31    | 24    | 36    | 27    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 3                             | 3     | 3     | 4     | 4     | 4     |
| Net production   | 147                           | 140   | 144   | 147   | 152   | 126   |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 8                             | 8     | 8     | 8     | 9     | 5     |
| Consumption  | 139                           | *132  | *136  | *139  | *143  | *121  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | *22                           | *22   | *22   | *21   | *22   | *21   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 116                           | *111  | *114  | *118  | *121  | *100  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 40                            | 45    | 45    | 45    | 45    | 45    |
| Combustible fuels                                      | 34                            | 35    | 35    | 35    | 35    | 35    |
| Hydro  | 7                             | 10    | 10    | 10    | 10    | 10    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 27                            | 27    | 27    | 27    | 27    | 27    |
| Combustible fuels                                      | 20                            | 20    | 20    | 20    | 20    | 20    |
| Hydro  | 7                             | 7     | 7     | 7     | 7     | 7     |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 761                           | *791  | *824  | *809  | *831  | *691  |
| Fuel oil   | *521                          | *481  | *525  | *570  | *543  | *489  |
| <b>Total input</b>                                     | 1282                          | *1272 | *1349 | *1379 | *1374 | *1180 |
| <b>Total production</b>                                | 418                           | 385   | 420   | 456   | 430   | 369   |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 30    | 31    | 33    | 31    | 31    |

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

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 16835                         | 17648  | 17167  | 17922  | 18690  | 19036  |
| Combustible fuels                                      | 14954                         | 15521  | 15634  | 16654  | 16773  | 16309  |
| Hydro  | 1785                          | 1875   | 1271   | 945    | 1519   | 2196   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 97                            | 252    | 262    | 322    | 398    | 530    |
| Main activity  | 14953                         | 15454  | 15164  | 15948  | 16728  | 17117  |
| Combustible fuels                                      | 13075                         | 13339  | 13654  | 14718  | 14869  | 14489  |
| Hydro  | 1783                          | 1872   | 1267   | 940    | 1513   | 2190   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 96                            | 243    | 243    | 290    | 347    | 438    |
| Own use in electricity, CHP and heat plants            | 590                           | 546    | 665    | 673    | 687    | 665    |
| Net production   | 16245                         | 17103  | 16502  | 17249  | 18003  | 18371  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 2158                          | 2241   | 2181   | 2297   | 2412   | 2473   |
| Consumption  | 14088                         | 14862  | 14321  | 14952  | 15591  | 15887  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 5125                          | 5487   | 4518   | 5029   | 5294   | 5612   |
| By transport   | 31                            | 46     | 52     | 54     | 54     | 51     |
| By households and other cons.                          | 8932                          | 9329   | 9750   | 9870   | 10244  | 10224  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 5349                          | 5352   | 5419   | 5230   | 5205   | 5134   |
| Combustible fuels                                      | 4648                          | 4646   | 4702   | 4503   | 4382   | 4276   |
| Hydro  | 613                           | 614    | 617    | 617    | 617    | 617    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 88                            | 92     | 100    | 110    | 206    | 241    |
| Main activity  | 3644                          | 3849   | 3877   | 3711   | 3809   | 3838   |
| Combustible fuels                                      | 2945                          | 3150   | 3175   | 3009   | 3028   | 3057   |
| Hydro  | 613                           | 613    | 616    | 616    | 616    | 616    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 86                            | 86     | 86     | 86     | 165    | 165    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 22611                         | 22250  | 25738  | 24415  | 25026  | 26458  |
| Motor gasoline   | 691                           | 687    | 647    | 656    | 660    | 647    |
| Gas-diesel oil   | 22420                         | 16009  | 17311  | 20160  | 19774  | 13077  |
| Fuel oil   | 48221                         | 49276  | 55667  | 64644  | 67117  | 55756  |
| Natural gas  | 35036                         | 36481  | 35750  | 36429  | 34241  | 40211  |
| Bagasse  | 699                           | 657    | 657    | 657    | 755    | 1958   |
| <b>Total input</b>                                     | 129679                        | 125360 | 135770 | 146960 | 147572 | 138107 |
| <b>Total production</b>                                | 53834                         | 55876  | 56283  | 59956  | 60384  | 58714  |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 45     | 41     | 41     | 41     | 43     |

## Statistics on electricity

### Ecuador

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017  |
|--|-------------------------------|--------|--------|--------|--------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |       |
| Total main activity and autoproducer                   | 22848                         | 23260  | 24307  | 25950  | 27314  | 28033 |
| Combustible fuels                                      | 10608                         | 12161  | 12753  | 12719  | 11357  | 7833  |
| Hydro  | 12238                         | 11039  | 11458  | 13096  | 15834  | 20089 |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..    |
| Other  | 3                             | 60     | 96     | 135    | 123    | 111   |
| Main activity  | 18982                         | 19369  | 20476  | 21756  | 22543  | 22891 |
| Combustible fuels                                      | 7252                          | 8783   | 9445   | 9223   | 7316   | 3772  |
| Hydro  | 11727                         | 10525  | 10935  | 12399  | 15104  | 19008 |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..    |
| Other  | 3                             | 60     | 96     | 135    | 123    | 111   |
| Own use in electricity, CHP and heat plants            | 379                           | 417    | 528    | 522    | 456    | 383   |
| Net production   | 22469                         | 22843  | 23779  | 25428  | 26858  | 27650 |
| Imports  | 238                           | 662    | 837    | 512    | 82     | 19    |
| Exports  | 12                            | 29     | 47     | 46     | 402    | 212   |
| Losses   | 3213                          | 3057   | 3165   | 3344   | 3499   | 3516  |
| Consumption  | 19156                         | 20090  | 21403  | 22549  | 23038  | 23972 |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..    |
| By industry and construction                           | 7993                          | 8031   | 8419   | 8580   | 8919   | 9469  |
| By transport   | 10                            | 10     | 10     | 10     | 10     | 10    |
| By households and other cons.                          | 11152                         | 12049  | 12974  | 13960  | 14109  | 14493 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |       |
| Total main activity and autoproducer                   | 5063                          | 5897   | 6165   | 6545   | 8697   | 8396  |
| Combustible fuels                                      | 2824                          | 3562   | 3801   | 3969   | 4105   | 3713  |
| Hydro  | 2237                          | 2312   | 2316   | 2529   | 4545   | 4636  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..    |
| Other  | 2                             | 23     | 48     | 47     | 47     | 47    |
| Main activity  | 4323                          | 5103   | 5299   | 5557   | 7607   | 7446  |
| Combustible fuels                                      | 2160                          | 2843   | 3011   | 3109   | 3142   | 2913  |
| Hydro  | 2161                          | 2237   | 2241   | 2402   | 4418   | 4486  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..    |
| Other  | 2                             | 23     | 48     | 47     | 47     | 47    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |       |
| Biogas   | 10                            | 216    | 342    | 479    | 282    | 567   |
| Crude oil  | 9304                          | 10476  | 10680  | 10408  | 13559  | 14061 |
| Motor gasoline   | 11                            | 334    | 0      | ..     | ..     | ..    |
| Gas-diesel oil   | 19279                         | 24503  | 25709  | 29423  | 25669  | 14995 |
| Fuel oil   | 44567                         | 48964  | 52566  | 47857  | 35453  | 19477 |
| Liquefied petroleum gas                                | 584                           | 543    | 587    | 676    | 770    | 657   |
| Other oil products                                     | 4682                          | 4578   | 5165   | 8377   | 7067   | 4056  |
| Natural gas  | 22862                         | 25451  | 26224  | 25306  | 25757  | 23151 |
| Bagasse  | 2302                          | 2308   | 3185   | 3481   | 3797   | 4466  |
| <b>Total input</b>                                     | 103601                        | 117373 | 124459 | 126007 | 112354 | 81430 |
| <b>Total production</b>                                | 38187                         | 43780  | 45911  | 45789  | 40886  | 28198 |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 37     | 37     | 36     | 36     | 35    |

**Statistics on electricity**
**Egypt**

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 164628                        | 168050  | 180377  | 187479  | 199927  | 194992  |
| Combustible fuels                                      | 150010                        | 153252  | 164864  | 172449  | 184241  | 179362  |
| Hydro  | 13121                         | 13352   | 13822   | 13432   | 13460   | 12850   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 1497                          | 1446    | 1691    | 1598    | 2226    | 2780    |
| Main activity  | 159223                        | 162548  | 174875  | 181977  | 194327  | 189392  |
| Combustible fuels                                      | 144605                        | 147750  | 159362  | 166947  | 178641  | 173762  |
| Hydro  | 13121                         | 13352   | 13822   | 13432   | 13460   | 12850   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 1497                          | 1446    | 1691    | 1598    | 2226    | 2780    |
| Own use in electricity, CHP and heat plants            | 5405                          | 5502    | 11407   | 11840   | 12075   | 17745   |
| Net production   | 159223                        | 162548  | 168970  | 175639  | 187852  | 177247  |
| Imports  | 77                            | 61      | 51      | 43      | 54      | 65      |
| Exports  | 474                           | 460     | 730     | 1158    | 747     | 333     |
| Losses   | 18305                         | 24224   | 20724   | 20389   | 23037   | *25373  |
| Consumption  | 140257                        | 137591  | 146645  | 154205  | 162275  | 151606  |
| Energy industries own use                              | ..                            | ..      | ..      | ..      | ..      | ..      |
| By industry and construction                           | 39887                         | 37320   | 38242   | 39187   | 40316   | 41479   |
| By transport   | 506                           | 441     | 515     | 601     | 582     | 534     |
| By households and other cons.                          | 99864                         | 99830   | 107888  | 114417  | 121377  | 109593  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 31487                         | 32702   | 32702   | 35907   | 39544   | 45695   |
| Combustible fuels                                      | 28000                         | 29215   | 29215   | 32420   | 35857   | 42008   |
| Hydro  | 2800                          | 2800    | 2800    | 2800    | 2800    | 2800    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 687                           | 687     | 687     | 687     | 887     | 887     |
| Main activity  | 30800                         | 32015   | 32015   | 35220   | 38857   | 45008   |
| Combustible fuels                                      | 27313                         | 28528   | 28528   | 31733   | 35170   | 41321   |
| Hydro  | 2800                          | 2800    | 2800    | 2800    | 2800    | 2800    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 687                           | 687     | 687     | 687     | 887     | 887     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Gas-diesel oil   | 4257                          | *4257   | 19479   | 50654   | 23779   | 24024   |
| Fuel oil   | 265913                        | 315686  | 348612  | 361903  | 294152  | 243208  |
| Natural gas  | 1068359                       | 1009816 | 1023897 | 1067300 | 1182860 | 1312666 |
| Bagasse  | *5599                         | *5691   | *5776   | *5722   | *5668   | *5668   |
| <b>Total input</b>                                     | 1344127                       | 1335450 | 1397764 | 1485579 | 1506459 | 1585567 |
| <b>Total production</b>                                | 540036                        | 551707  | 593510  | 620816  | 663268  | 645703  |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 41      | 42      | 42      | 44      | 41      |

**Statistics on electricity**
**El Salvador**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 6237                          | 6272  | 6223  | 5996  | 6011  | 5467  |
| Combustible fuels                                      | 2855                          | 2922  | 2947  | 3096  | 3150  | 2115  |
| Hydro  | 1847                          | 1790  | 1718  | 1353  | 1261  | 1619  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1535                          | 1560  | 1558  | 1547  | 1600  | 1733  |
| Main activity  | 5545                          | 5616  | 5573  | 5284  | 5246  | 4600  |
| Combustible fuels                                      | 2163                          | 2266  | 2297  | 2391  | 2409  | 1317  |
| Hydro  | 1847                          | 1790  | 1718  | 1353  | 1261  | 1619  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1535                          | 1560  | 1558  | 1540  | 1576  | 1664  |
| Own use in electricity, CHP and heat plants            | 309                           | 363   | 169   | 190   | 184   | 241   |
| Net production   | 5928                          | 5909  | 6054  | 5806  | 5827  | 5226  |
| Imports  | 163                           | 283   | 589   | 963   | 1066  | 1675  |
| Exports  | 78                            | 91    | 208   | 64    | 78    | 90    |
| Losses   | 610                           | 455   | 654   | 656   | 820   | 813   |
| Consumption  | 5383                          | 5647  | 5950  | 5999  | 6073  | 6152  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 1741                          | 2197  | 2104  | 2005  | 2020  | 2056  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 3642                          | 3450  | 3846  | 3994  | 4053  | 4096  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 1493                          | 1585  | 1587  | 1655  | 1712  | 1927  |
| Combustible fuels                                      | 801                           | 892   | 892   | 959   | 1016  | 1027  |
| Hydro  | 487                           | 488   | 490   | 481   | 480   | 574   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 204                           | 204   | 204   | 215   | 217   | 326   |
| Main activity  | 1383                          | 1455  | 1457  | 1449  | 1448  | 1612  |
| Combustible fuels                                      | 691                           | 763   | 763   | 763   | 763   | 764   |
| Hydro  | 487                           | 488   | 490   | 481   | 480   | 574   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 204                           | 204   | 204   | 204   | 204   | 275   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Biogas   | ..                            | 526   | 412   | 589   | 531   | 510   |
| Gas-diesel oil   | 172                           | 86    | ..    | ..    | ..    | ..    |
| Fuel oil   | 18988                         | 21008 | 21372 | 21331 | 20685 | 11554 |
| Bagasse  | 12347                         | 7495  | 7637  | 9876  | 11424 | 14073 |
| <b>Total input</b>                                     | 31507                         | 29115 | 29421 | 31796 | 32640 | 26137 |
| <b>Total production</b>                                | 10278                         | 10519 | 10609 | 11146 | 11340 | 7614  |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 36    | 36    | 35    | 35    | 29    |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 529                           | 726   | 833   | 848   | *850  | *850  |
| Combustible fuels                                      | 462                           | 599   | 633   | 648   | *650  | *650  |
| Hydro  | 67                            | 127   | *200  | *200  | *200  | *200  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 529                           | 726   | 833   | 848   | *850  | *850  |
| Combustible fuels                                      | 462                           | 599   | 633   | 648   | *650  | *650  |
| Hydro  | 67                            | 127   | *200  | *200  | *200  | *200  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 0                             | 0     | 0     | 0     | 0     | 0     |
| Net production   | 529                           | 726   | 833   | 848   | *850  | *850  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *53                           | *73   | *90   | *95   | *96   | *96   |
| Consumption  | *476                          | *653  | *743  | *753  | *754  | *754  |
| Energy industries own use                              | *35                           | *35   | *35   | *35   | *35   | *35   |
| By industry and construction                           | *130                          | *150  | *190  | *210  | *231  | *231  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *311                          | *468  | *518  | *508  | *488  | *488  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 349                           | 349   | 349   | 349   | 349   | 554   |
| Combustible fuels                                      | 222                           | 222   | 222   | 222   | 222   | 222   |
| Hydro  | 127                           | 127   | 127   | 127   | 127   | 327   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | 5     |
| Main activity  | 349                           | 349   | 349   | 349   | 349   | 554   |
| Combustible fuels                                      | 222                           | 222   | 222   | 222   | 222   | 222   |
| Hydro  | 127                           | 127   | 127   | 127   | 127   | 327   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | 5     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *86                           | *86   | *86   | *86   | *86   | *86   |
| Natural gas  | *4200                         | *5500 | *5700 | *5900 | *5900 | *6000 |
| <b>Total input</b>                                     | *4286                         | *5586 | *5786 | *5986 | *5986 | *6086 |
| <b>Total production</b>                                | 1663                          | 2155  | 2279  | 2334  | *2340 | *2340 |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 39    | 39    | 39    | 39    | 38    |

## Statistics on electricity

### Eritrea

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 361                           | 376  | 387  | 398  | 405  | 425  |
| Combustible fuels                                      | 357                           | 372  | 383  | 394  | 401  | 421  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 4                             | 4    | 4    | 4    | 4    | 4    |
| Main activity  | 350                           | 365  | 376  | 387  | 394  | 413  |
| Combustible fuels                                      | 346                           | 361  | 372  | 383  | 390  | 409  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 4                             | 4    | 4    | 4    | 4    | 4    |
| Own use in electricity, CHP and heat plants            | 19                            | 20   | 21   | 22   | 22   | 23   |
| Net production   | 342                           | 356  | 366  | 376  | 383  | 402  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 45                            | 47   | 48   | 49   | 50   | 52   |
| Consumption  | 284                           | 294  | 301  | 308  | 315  | 327  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 75                            | 79   | 81   | 83   | 85   | 89   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 209                           | 215  | 220  | 225  | 230  | 238  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *141                          | *141 | *141 | *161 | *161 | *207 |
| Combustible fuels                                      | *139                          | *139 | *139 | *159 | *159 | *205 |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 2                             | 2    | 2    | 2    | 2    | 2    |
| Main activity  | *135                          | *135 | *135 | *151 | *151 | *197 |
| Combustible fuels                                      | *133                          | *133 | *133 | *149 | *149 | *195 |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 2                             | 2    | 2    | 2    | 2    | 2    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 1419                          | 1462 | 1505 | 1548 | 1591 | 1677 |
| Fuel oil   | 2626                          | 2747 | 2828 | 2909 | 2949 | 3111 |
| <b>Total input</b>                                     | 4045                          | 4209 | 4333 | 4457 | 4540 | 4788 |
| <b>Total production</b>                                | 1285                          | 1339 | 1379 | 1418 | 1444 | 1516 |
| <b>Estimated efficiency (% of production to input)</b> | 32                            | 32   | 32   | 32   | 32   | 32   |



## Statistics on electricity

### Estonia

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 11967                         | 13275  | 12446  | 10398  | 12176  | 12904  |
| Combustible fuels                                      | 11491                         | 12720  | 11815  | 9656   | 11547  | 12155  |
| Hydro  | 42                            | 26     | 27     | 27     | 35     | 26     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 434                           | 529    | 604    | 715    | 594    | 723    |
| Main activity  | 11869                         | 13184  | 12389  | 10241  | 11937  | 12784  |
| Combustible fuels                                      | 11394                         | 12634  | 11773  | 9513   | 11321  | 12035  |
| Hydro  | 42                            | 26     | 26     | 27     | 35     | 26     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 433                           | 524    | 590    | 701    | 581    | 723    |
| Own use in electricity, CHP and heat plants            | 1440                          | 1452   | 1433   | 1336   | 1752   | 1670   |
| Net production   | 10527                         | 11823  | 11013  | 9062   | 10424  | 11234  |
| Imports  | 2710                          | 2712   | 3730   | 5452   | 3577   | 2281   |
| Exports  | 4950                          | 6300   | 6484   | 6377   | 5614   | 5015   |
| Losses   | 879                           | 903    | 842    | 697    | 723    | 779    |
| Consumption  | 7408                          | 7332   | 7417   | 7440   | 7824   | 7721   |
| Energy industries own use                              | 430                           | 512    | 511    | 588    | 525    | 503    |
| By industry and construction                           | 2187                          | 2156   | 2117   | 2059   | 2152   | 2236   |
| By transport   | 79                            | 63     | 50     | 47     | 48     | 46     |
| By households and other cons.                          | 4712                          | 4601   | 4739   | 4746   | 5099   | 4936   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 2923                          | 2910   | 3030   | 2857   | 2567   | 2527   |
| Combustible fuels                                      | 2649                          | 2654   | 2750   | 2551   | 2251   | 2208   |
| Hydro  | 8                             | 8      | 5      | 6      | 6      | 7      |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 266                           | 248    | 275    | 300    | 310    | 312    |
| Main activity  | 2904                          | 2892   | 3006   | 2826   | 2536   | 2500   |
| Combustible fuels                                      | 2630                          | 2637   | 2733   | 2526   | 2226   | 2183   |
| Hydro  | 8                             | 8      | 5      | 6      | 6      | 7      |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 266                           | 247    | 268    | 294    | 304    | 310    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 0                             | 54     | 54     | 0      | ..     | 88     |
| Peat   | 1230                          | 920    | 690    | 759    | 1090   | 1109   |
| Biogas   | 92                            | 200    | 191    | 367    | 233    | 214    |
| Oil shale  | 111401                        | 137372 | 129157 | 108702 | 105702 | 107364 |
| Gas-diesel oil   | 0                             | 0      | 0      | 0      | ..     | ..     |
| Fuel oil   | 687                           | 929    | 485    | 687    | 1656   | 768    |
| Natural gas  | 1411                          | 779    | 564    | 526    | 575    | 527    |
| Gasworks gas   | 4866                          | 3899   | 5228   | 6317   | 5250   | 6615   |
| Fuelwood   | *9978                         | *9108  | *9940  | *10240 | *11282 | *12219 |
| Municipal waste  | ..                            | 1336   | 1455   | 1760   | 1945   | 2218   |
| <b>Total input</b>                                     | 129665                        | 154597 | 147764 | 129358 | 127734 | 131121 |
| <b>Total production</b>                                | 41368                         | 45792  | 42534  | 34762  | 41569  | 43758  |
| <b>Estimated efficiency (% of production to input)</b> | 32                            | 30     | 29     | 27     | 33     | 33     |

## Statistics on electricity

### Eswatini

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | *622                          | *590   | 567    | *496   | 388    | 414    |
| Combustible fuels                                      | *350                          | *350   | 265    | *265   | 265    | 297    |
| Hydro  | 272                           | 240    | 302    | 231    | 123    | 117    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | 0      |
| Main activity  | 280                           | 248    | 302    | 231    | 123    | 117    |
| Combustible fuels                                      | 8                             | *8     | 0      | 0      | 0      | ..     |
| Hydro  | 272                           | 240    | 302    | 231    | 123    | 117    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | 0      |
| Own use in electricity, CHP and heat plants            | 15                            | 15     | 0      | *10    | 31     | 0      |
| Net production   | *607                          | *575   | 567    | *486   | 357    | 414    |
| Imports  | 813                           | 822    | 860    | 980    | 1077   | 1048   |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 175                           | 169    | 171    | *170   | 172    | 169    |
| Consumption  | 1246                          | 1227   | 1256   | 1296   | 1262   | 1387   |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 338                           | 319    | 336    | 366    | 364    | 541    |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 908                           | 909    | 920    | 930    | 899    | 846    |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 179                           | *179   | *188   | *188   | *188   | *189   |
| Combustible fuels                                      | 115                           | *115   | *115   | *115   | *115   | *115   |
| Hydro  | 64                            | 64     | 73     | *73    | 73     | *73    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | 1      |
| Main activity  | 70                            | 70     | 79     | *79    | 79     | *80    |
| Combustible fuels                                      | 10                            | 10     | 10     | 10     | 10     | *10    |
| Hydro  | 60                            | 60     | 69     | *69    | 69     | *69    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | 1      |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | *338                          | ..     | ..     | 155    | 258    | 422    |
| Brown Coal   | ..                            | 476    | 436    | *490   | *490   | ..     |
| Gas-diesel oil   | *473                          | *473   | 0      | 0      | ..     | ..     |
| Fuelwood   | 0                             | 0      | 0      | 0      | 0      | 0      |
| Bagasse  | *13606                        | *13606 | *13637 | *13830 | *11776 | *13359 |
| Black liquor   | 0                             | 0      | 0      | 0      | 0      | 0      |
| <b>Total input</b>                                     | *14417                        | *14555 | *14073 | *14475 | *12524 | *13781 |
| <b>Total production</b>                                | *1258                         | *1260  | 954    | *954   | 954    | 1069   |
| <b>Estimated efficiency (% of production to input)</b> | 9                             | 9      | 7      | 7      | 8      | 8      |

**Statistics on electricity**
**Ethiopia**

| Item   | 2012                          | 2013 | 2014 | 2015  | 2016  | 2017  |
|--|-------------------------------|------|------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |       |       |       |
| Total main activity and autoproducer                   | 7679                          | 8776 | 9585 | 10577 | 12690 | 13982 |
| Combustible fuels                                      | *83                           | *65  | *54  | *49   | *45   | *45   |
| Hydro  | 7388                          | 8338 | 9013 | 9674  | 11753 | 12957 |
| Nuclear  | ..                            | ..   | ..   | ..    | ..    | ..    |
| Other  | 208                           | 373  | 518  | 854   | 892   | 980   |
| Main activity  | 7679                          | 8776 | 9585 | 10577 | 12690 | 13982 |
| Combustible fuels                                      | *83                           | *65  | *54  | *49   | *45   | *45   |
| Hydro  | 7388                          | 8338 | 9013 | 9674  | 11753 | 12957 |
| Nuclear  | ..                            | ..   | ..   | ..    | ..    | ..    |
| Other  | 208                           | 373  | 518  | 854   | 892   | 980   |
| Own use in electricity, CHP and heat plants            | 315                           | 335  | 355  | 83    | 91    | 95    |
| Net production   | 7364                          | 8441 | 9230 | 10494 | 12599 | 13887 |
| Imports  | ..                            | ..   | ..   | ..    | ..    | ..    |
| Exports  | 563                           | 954  | 712  | 700   | 1303  | 1437  |
| Losses   | 1512                          | 1394 | 1858 | 2085  | 2597  | 2862  |
| Consumption  | 5276                          | 6087 | 6660 | 8184  | 8586  | 9466  |
| Energy industries own use                              | ..                            | ..   | ..   | ..    | ..    | ..    |
| By industry and construction                           | 1943                          | 2032 | 2556 | 3055  | 3093  | 3410  |
| By transport   | ..                            | ..   | ..   | ..    | ..    | ..    |
| By households and other cons.                          | 3333                          | 4055 | 4104 | 5129  | 5493  | 6056  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |       |       |       |
| Total main activity and autoproducer                   | 2310                          | 2311 | 2311 | 2464  | 4288  | 4299  |
| Combustible fuels                                      | 189                           | 190  | 190  | 143   | 99    | 104   |
| Hydro  | 1943                          | 1943 | 1943 | 1940  | 3808  | 3814  |
| Nuclear  | ..                            | ..   | ..   | ..    | ..    | ..    |
| Other  | 178                           | 178  | 178  | 381   | 381   | 381   |
| Main activity  | 2310                          | 2311 | 2311 | 2464  | 4288  | 4299  |
| Combustible fuels                                      | 189                           | 190  | 190  | 143   | 99    | 104   |
| Hydro  | 1943                          | 1943 | 1943 | 1940  | 3808  | 3814  |
| Nuclear  | ..                            | ..   | ..   | ..    | ..    | ..    |
| Other  | 178                           | 178  | 178  | 381   | 381   | 381   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |       |       |       |
| Gas-diesel oil   | 172                           | 129  | 43   | 43    | 43    | 43    |
| Naphtha  | 134                           | ..   | 45   | ..    | ..    | ..    |
| Bagasse  | *687                          | *649 | *556 | *541  | *502  | *502  |
| <b>Total input</b>                                     | *993                          | *778 | *643 | *584  | *545  | *545  |
| <b>Total production</b>                                | *298                          | *233 | *193 | *175  | *163  | *163  |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 30   | 30   | 30    | 30    | 30    |

**Statistics on electricity**
**Faeroe Islands**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 292                           | 293  | 305  | 314  | 317  | 334  |
| Combustible fuels                                      | 181                           | 180  | 150  | 126  | 159  | 163  |
| Hydro  | 100                           | 91   | 121  | 133  | 106  | 111  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 11                            | 22   | 34   | 56   | 52   | 60   |
| Main activity  | 292                           | 293  | 305  | 314  | 317  | 334  |
| Combustible fuels                                      | 181                           | 180  | 150  | 126  | 159  | 163  |
| Hydro  | 100                           | 91   | 121  | 133  | 106  | 111  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 11                            | 22   | 34   | 56   | 52   | 60   |
| Own use in electricity, CHP and heat plants            | 7                             | 8    | 7    | 7    | 7    | 10   |
| Net production   | 285                           | 285  | 298  | 308  | 310  | 325  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *23                           | *10  | *15  | *20  | *19  | *18  |
| Consumption  | 261                           | 275  | 284  | 288  | 291  | 306  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 52                            | 60   | 76   | 76   | 74   | 86   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 209                           | 214  | 208  | 212  | 218  | 221  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 111                           | *115 | *124 | *128 | *129 | 125  |
| Combustible fuels                                      | 65                            | *65  | *68  | *69  | *70  | 69   |
| Hydro  | *39                           | *39  | *39  | 39   | *39  | 40   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *7                            | *11  | *16  | 20   | *20  | 16   |
| Main activity  | 111                           | *115 | *124 | *128 | *129 | 125  |
| Combustible fuels                                      | 65                            | *65  | *68  | *69  | *70  | 69   |
| Hydro  | *39                           | *39  | *39  | 39   | *39  | 40   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *7                            | *11  | *16  | 20   | *20  | 16   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 28                            | 44   | 50   | 56   | 80   | 46   |
| Fuel oil   | 1485                          | 1506 | 1248 | 1040 | 1301 | 1318 |
| <b>Total input</b>                                     | 1512                          | 1549 | 1298 | 1096 | 1381 | 1364 |
| <b>Total production</b>                                | 652                           | 648  | 541  | 452  | 572  | 588  |
| <b>Estimated efficiency (% of production to input)</b> | 43                            | 42   | 42   | 41   | 41   | 43   |

**Statistics on electricity**
**Falkland Is. (Malvinas)**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | *18                           | 18   | 18   | 19   | 21   | 20   |
| Combustible fuels                                      | *11                           | 13   | 13   | 14   | 15   | 14   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 7                             | 5    | 5    | 5    | 6    | 5    |
| Main activity  | *16                           | 16   | 16   | 17   | 19   | 18   |
| Combustible fuels                                      | *9                            | 11   | 11   | 12   | 13   | 12   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 7                             | 5    | 5    | 5    | 6    | 5    |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | *1   | *1   | *3   | *2   |
| Net production   | *18                           | 18   | 18   | 18   | 18   | 18   |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | ..                            | ..   | ..   | ..   | ..   | ..   |
| Consumption  | *18                           | *18  | *18  | *18  | *18  | *18  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | *7                            | *7   | *7   | *7   | *7   | *7   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *10                           | *10  | *10  | *10  | *10  | *10  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *12                           | 9    | 9    | 9    | 9    | 9    |
| Combustible fuels                                      | *9                            | 7    | 7    | 7    | 7    | 7    |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *3                            | 2    | 2    | 2    | 2    | 2    |
| Main activity  | *10                           | 9    | 9    | 9    | 9    | 9    |
| Combustible fuels                                      | *7                            | 7    | 7    | 7    | 7    | 7    |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *3                            | 2    | 2    | 2    | 2    | 2    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *112                          | 110  | 111  | 125  | 118  | 114  |
| <b>Total input</b>                                     | *112                          | 110  | 111  | 125  | 118  | 114  |
| <b>Total production</b>                                | *40                           | 47   | 47   | 49   | 53   | 52   |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 42   | 42   | 39   | 45   | 45   |

## Statistics on electricity

### Fiji

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017  |
|--|-------------------------------|------|------|------|------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |       |
| Total main activity and autoproducer                   | 803                           | 858  | 859  | 914  | 934  | 1008  |
| Combustible fuels                                      | 271                           | 325  | 454  | 503  | 435  | 514   |
| Hydro  | 525                           | 527  | 401  | 406  | 495  | 491   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | 7                             | 5    | 4    | 6    | 4    | 2     |
| Main activity  | 755                           | 811  | 810  | 892  | 924  | 984   |
| Combustible fuels                                      | 223                           | 278  | 404  | 480  | 425  | 491   |
| Hydro  | 525                           | 527  | 401  | 406  | 495  | 491   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | 7                             | 5    | 4    | 6    | 4    | 2     |
| Own use in electricity, CHP and heat plants            | 8                             | 9    | 23   | 8    | 11   | 23    |
| Net production   | 795                           | 848  | 836  | 906  | 924  | 984   |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Losses   | *63                           | *68  | *70  | 75   | *77  | *82   |
| Consumption  | 732                           | 780  | 783  | 826  | 842  | 902   |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..    |
| By industry and construction                           | 192                           | 202  | 200  | 206  | 211  | 222   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..    |
| By households and other cons.                          | 540                           | 578  | 583  | 620  | 631  | 681   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |       |
| Total main activity and autoproducer                   | 285                           | 309  | 309  | 294  | *316 | *334  |
| Combustible fuels                                      | *140                          | 164  | 164  | 149  | *165 | *175  |
| Hydro  | 135                           | 135  | 135  | 135  | 130  | 138   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | 10                            | 10   | 10   | 10   | 21   | *21   |
| Main activity  | 235                           | 259  | 259  | 259  | 281  | *299  |
| Combustible fuels                                      | *90                           | 114  | 114  | 114  | *130 | *140  |
| Hydro  | 135                           | 135  | 135  | 135  | 130  | 138   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | 10                            | 10   | 10   | 10   | 21   | *21   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |       |
| Hard coal briquettes                                   | 0                             | 0    | 0    | 0    | 0    | 0     |
| Gas-diesel oil   | 1376                          | 1291 | 2560 | 2602 | 1262 | *1826 |
| Fuel oil   | 1172                          | 1616 | 1535 | 1758 | 2511 | *2626 |
| <b>Total input</b>                                     | 2548                          | 2907 | 4095 | 4360 | 3773 | *4453 |
| <b>Total production</b>                                | 977                           | 1169 | 1634 | 1810 | 1566 | 1852  |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 40   | 40   | 42   | 42   | 42    |

## Statistics on electricity

### Finland

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 70411                         | 71257  | 68094  | 68597  | 68754  | 67522  |
| Combustible fuels                                      | 29746                         | 33744  | 29712  | 25999  | 26399  | 25034  |
| Hydro  | 16859                         | 12838  | 13397  | 16769  | 15799  | 14772  |
| Nuclear  | 22987                         | 23606  | 23580  | 23245  | 23203  | 22477  |
| Other  | 819                           | 1069   | 1405   | 2584   | 3353   | 5239   |
| Main activity  | 60156                         | 61135  | 58000  | 58575  | 59239  | 57690  |
| Combustible fuels                                      | 20955                         | 24784  | 20735  | 17226  | 18122  | 16459  |
| Hydro  | 15615                         | 11859  | 12470  | 15690  | 14764  | 13769  |
| Nuclear  | 22987                         | 23606  | 23580  | 23245  | 23203  | 22477  |
| Other  | 599                           | 886    | 1215   | 2414   | 3150   | 4985   |
| Own use in electricity, CHP and heat plants            | 2704                          | 2904   | 2636   | 2444   | 2554   | 2484   |
| Net production   | 67707                         | 68353  | 65458  | 66153  | 66200  | 65038  |
| Imports  | 19089                         | 17591  | 21622  | 21459  | 22110  | 22204  |
| Exports  | 1645                          | 1876   | 3655   | 5122   | 3159   | 1779   |
| Losses   | 2914                          | 2609   | 2772   | 2444   | 2704   | 2768   |
| Consumption  | 82029                         | 81278  | 80429  | 79657  | 82058  | 82275  |
| Energy industries own use                              | 1310                          | 1331   | 1284   | 1189   | 1227   | 1236   |
| By industry and construction                           | 38165                         | 38697  | 38173  | 37893  | 38517  | 38556  |
| By transport   | 737                           | 734    | 724    | 705    | 709    | 773    |
| By households and other cons.                          | 41817                         | 40516  | 40248  | 39870  | 41605  | 41710  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 16132                         | 16707  | 16299  | 16613  | 16283  | 17163  |
| Combustible fuels                                      | 9939                          | 10275  | 9661   | 9593   | 8672   | 8997   |
| Hydro  | 3196                          | 3224   | 3248   | 3249   | 3249   | 3272   |
| Nuclear  | 2732                          | 2752   | 2752   | 2752   | 2764   | 2779   |
| Other  | 265                           | 456    | 638    | 1019   | 1598   | 2115   |
| Main activity  | 14098                         | 14638  | 14228  | 14563  | 14219  | 14865  |
| Combustible fuels                                      | 8080                          | 8401   | 7787   | 7743   | 6826   | 6958   |
| Hydro  | 3029                          | 3038   | 3062   | 3063   | 3063   | 3084   |
| Nuclear  | 2732                          | 2752   | 2752   | 2752   | 2764   | 2779   |
| Other  | 257                           | 447    | 627    | 1005   | 1566   | 2044   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 80119                         | 110621 | 83563  | 59016  | 78495  | 68510  |
| Peat   | 49985                         | 43441  | 43898  | 40652  | 38934  | 37002  |
| Biogas   | 953                           | 2387   | 2800   | 3000   | 3361   | 3500   |
| Fuel oil   | 3111                          | 2707   | 2707   | 2949   | 1576   | 3757   |
| Natural gas  | 63266                         | 59170  | 46749  | 42836  | 33907  | 31361  |
| Blast furnace gas                                      | 4866                          | 4597   | 5597   | 5302   | 5234   | 5407   |
| Fuelwood   | *94658                        | *97627 | *93962 | *90537 | *94823 | *95514 |
| Municipal waste  | 9365                          | 12215  | 13568  | 14985  | 16759  | 18058  |
| Industrial waste                                       | 935                           | 1071   | 1083   | 893    | 840    | 1033   |
| Black liquor   | *17487                        | *20040 | *13943 | *11248 | *7397  | *7854  |
| Others   | 2088                          | 2609   | 2500   | 2306   | 1796   | 2733   |
| <b>Total input</b>                                     | 326833                        | 356485 | 310371 | 273724 | 283122 | 274729 |
| <b>Total production</b>                                | 107086                        | 121478 | 106963 | 93596  | 95036  | 90122  |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 34     | 34     | 34     | 34     | 33     |

## Statistics on electricity

### France

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 572535                        | 581896 | 572331 | 579195 | 564416 | 562147 |
| Combustible fuels                                      | 61811                         | 58654  | 41295  | 51000  | 64245  | 73060  |
| Hydro  | 64644                         | 76945  | 69571  | 60403  | 65684  | 55108  |
| Nuclear  | 425406                        | 423685 | 436479 | 437428 | 403195 | 398359 |
| Other  | 20674                         | 22612  | 24986  | 30364  | 31292  | 35620  |
| Main activity  | 554721                        | 563528 | 553580 | 559381 | 545000 | 541581 |
| Combustible fuels                                      | 48726                         | 45857  | 28601  | 37575  | 51125  | 59686  |
| Hydro  | 64035                         | 76264  | 68861  | 59848  | 65066  | 54554  |
| Nuclear  | 425406                        | 423685 | 436479 | 437428 | 403195 | 398359 |
| Other  | 16554                         | 17722  | 19639  | 24530  | 25614  | 28982  |
| Own use in electricity, CHP and heat plants            | 24832                         | 24274  | 23831  | 24281  | 23648  | 24105  |
| Net production   | 547703                        | 557622 | 548500 | 554914 | 540768 | 538042 |
| Imports  | 12213                         | 11687  | 7873   | 9961   | 19903  | 21134  |
| Exports  | 56734                         | 60148  | 75063  | 74024  | 61404  | 61248  |
| Losses   | 37855                         | 38785  | 34527  | 36140  | 37478  | 38599  |
| Consumption  | 456494                        | 461919 | 437174 | 445799 | 453229 | 450596 |
| Energy industries own use                              | 15573                         | 13718  | 14573  | 13374  | 13772  | 13733  |
| By industry and construction                           | 120689                        | 119346 | 118000 | 117066 | 118265 | 118050 |
| By transport   | 11001                         | 11124  | 10828  | 10988  | 10801  | 10863  |
| By households and other cons.                          | 309231                        | 317731 | 293773 | 304371 | 310391 | 307950 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 130599                        | 130141 | 130003 | 132179 | 133095 | 133001 |
| Combustible fuels                                      | 29659                         | 27608  | 25918  | 25867  | 24895  | 21907  |
| Hydro  | 25657                         | 25640  | 25573  | 25552  | 25621  | 25706  |
| Nuclear  | 63130                         | 63130  | 63130  | 63130  | 63130  | 63130  |
| Other  | 12153                         | 13763  | 15382  | 17630  | 19449  | 22258  |
| Main activity  | 123055                        | 122442 | 121917 | 123891 | 124433 | 123343 |
| Combustible fuels                                      | 25618                         | 23722  | 22180  | 22162  | 21065  | 18204  |
| Hydro  | 25461                         | 25445  | 25386  | 25360  | 25427  | 25498  |
| Nuclear  | 63130                         | 63130  | 63130  | 63130  | 63130  | 63130  |
| Other  | 8846                          | 10145  | 11221  | 13239  | 14811  | 16511  |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 222224                        | 246221 | 123069 | 122996 | 109194 | 133727 |
| Biogas   | 18113                         | 20477  | 20736  | 23170  | 23901  | 24025  |
| Gas-diesel oil   | 16211                         | 14835  | 16813  | 18017  | 18748  | 18103  |
| Fuel oil   | 46662                         | 32199  | 35229  | 35390  | 36481  | 35956  |
| Refinery gas   | 13464                         | 13662  | 9999   | 8415   | 10148  | 10346  |
| Natural gas  | 209065                        | 161531 | 117294 | 178370 | 269052 | 308713 |
| Blast furnace gas                                      | 20285                         | 19034  | 24117  | 22150  | 16741  | 17911  |
| Fuelwood   | *23972                        | *28068 | *29691 | *32211 | *40895 | *42866 |
| Vegetal waste  | *8807                         | *8577  | *12202 | *13242 | *12595 | *11999 |
| Municipal waste  | 82590                         | 80034  | 81374  | 82072  | 87398  | 91418  |
| Others   | 20623                         | 22666  | 21927  | 21479  | 24406  | 23804  |
| <b>Total input</b>                                     | 682016                        | 647303 | 492450 | 557512 | 649559 | 718868 |
| <b>Total production</b>                                | 222520                        | 211154 | 148662 | 183600 | 231282 | 263016 |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33     | 30     | 33     | 36     | 37     |



Statistics on electricity

French Polynesia

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | *665                          | *645  | *630  | *628  | *639  | *634  |
| Combustible fuels                                      | *459                          | *450  | *409  | *405  | *395  | *399  |
| Hydro  | *199                          | *186  | *209  | *209  | *230  | *220  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *8                            | *9    | *13   | *14   | *14   | *15   |
| Main activity  | *665                          | *645  | *630  | *628  | *639  | *634  |
| Combustible fuels                                      | *459                          | *450  | *409  | *405  | *395  | *399  |
| Hydro  | *199                          | *186  | *209  | *209  | *230  | *220  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *8                            | *9    | *13   | *14   | *14   | *15   |
| Own use in electricity, CHP and heat plants            | 0                             | *1    | *1    | 0     | 0     | *1    |
| Net production   | *665                          | *644  | *629  | *628  | *639  | *633  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *46                           | *46   | *44   | *44   | *45   | *39   |
| Consumption  | *619                          | *598  | *585  | *584  | *582  | *594  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | ..                            | ..    | ..    | ..    | ..    | ..    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *619                          | *598  | *585  | *584  | *582  | *594  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *228                          | *228  | *230  | *230  | *258  | *259  |
| Combustible fuels                                      | *177                          | *177  | *177  | *177  | *185  | *185  |
| Hydro  | *47                           | *48   | *48   | *48   | *48   | *49   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *4                            | *4    | *5    | *6    | 25    | *25   |
| Main activity  | *228                          | *228  | *230  | *230  | *258  | *259  |
| Combustible fuels                                      | *177                          | *177  | *177  | *177  | *185  | *185  |
| Hydro  | *47                           | *48   | *48   | *48   | *48   | *49   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *4                            | *4    | *5    | *6    | 25    | *25   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *2869                         | *2937 | *2884 | *3016 | *3170 | *3256 |
| Fuel oil   | *1405                         | *1420 | *1364 | *1412 | *1293 | *1305 |
| <b>Total input</b>                                     | *4274                         | *4357 | *4248 | *4427 | *4463 | *4561 |
| <b>Total production</b>                                | *1652                         | *1620 | *1472 | *1458 | *1422 | *1436 |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 37    | 35    | 33    | 32    | 31    |

**Statistics on electricity**
**Gabon**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 2164                          | 2101  | 1998  | 2127  | 2336  | 2284  |
| Combustible fuels                                      | 1253                          | 1163  | 1202  | 1207  | 1381  | 1388  |
| Hydro  | 908                           | 936   | 794   | 918   | 953   | 894   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 3                             | 2     | 2     | 2     | 2     | 2     |
| Main activity  | 1966                          | 1891  | 1784  | 1907  | 2112  | 2059  |
| Combustible fuels                                      | 1058                          | 955   | 990   | 989   | 1159  | 1165  |
| Hydro  | 908                           | 936   | 794   | 918   | 953   | 894   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 75                            | 74    | 99    | 95    | 102   | 105   |
| Net production   | 2089                          | 2027  | 1899  | 2032  | 2234  | 2179  |
| Imports  | ..                            | 184   | 388   | 337   | 344   | 346   |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 425                           | 454   | 452   | 476   | 517   | 456   |
| Consumption  | 1664                          | 1757  | 1835  | 1893  | 2061  | 2070  |
| Energy industries own use                              | 36                            | 38    | 40    | 41    | 45    | 44    |
| By industry and construction                           | 441                           | 466   | 487   | 502   | 546   | 548   |
| By transport   | 7                             | 7     | 7     | 7     | 8     | 8     |
| By households and other cons.                          | 1180                          | 1246  | 1301  | 1343  | 1462  | 1470  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 464                           | 514   | 509   | 511   | 523   | 531   |
| Combustible fuels                                      | 293                           | 343   | 338   | 340   | 352   | 359   |
| Hydro  | 170                           | 170   | 170   | 170   | 170   | 171   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *1                            | *1    | *1    | *1    | *1    | *1    |
| Main activity  | 393                           | 443   | 438   | 440   | 452   | 460   |
| Combustible fuels                                      | 223                           | 273   | 268   | 270   | 282   | 289   |
| Hydro  | 170                           | 170   | 170   | 170   | 170   | 171   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 2451                          | 3053  | 2580  | 2709  | 2623  | 2623  |
| Fuel oil   | 40                            | 40    | 81    | ..    | ..    | ..    |
| Natural gas  | 13569                         | 10970 | 12146 | 13264 | 15030 | 15104 |
| Fuelwood   | *292                          | *299  | *301  | *320  | 332   | 334   |
| <b>Total input</b>                                     | 16352                         | 14362 | 15108 | 16293 | 17985 | 18061 |
| <b>Total production</b>                                | 4511                          | 4187  | 4327  | 4345  | 4972  | 4997  |
| <b>Estimated efficiency (% of production to input)</b> | 28                            | 29    | 29    | 27    | 28    | 28    |

## Statistics on electricity

### Gambia

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | *266                          | *261  | *281  | *297  | *314  | *322  |
| Combustible fuels                                      | *266                          | *261  | *281  | *297  | *314  | *322  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *236                          | *230  | *250  | *266  | *282  | *290  |
| Combustible fuels                                      | *236                          | *230  | *250  | *266  | *282  | *290  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | *21                           | *12   | *11   | *11   | *11   | *12   |
| Net production   | *245                          | *249  | *270  | *286  | *303  | *310  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *52                           | *52   | *52   | *55   | *58   | *68   |
| Consumption  | *208                          | *209  | *209  | *221  | *233  | *235  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | *35                           | *35   | *35   | *37   | *39   | *40   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *173                          | *174  | *173  | *184  | *194  | *195  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *74                           | *91   | 116   | *118  | *119  | *132  |
| Combustible fuels                                      | *74                           | *91   | 114   | *116  | *117  | *131  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | 2     | *2    | *2    | *2    |
| Main activity  | *40                           | *57   | 82    | *83   | *84   | *97   |
| Combustible fuels                                      | *40                           | *57   | 80    | *81   | *82   | *95   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | 2     | *2    | *2    | *2    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *2021                         | *2021 | *2150 | *2215 | *2305 | *2339 |
| Fuel oil   | *808                          | *808  | *808  | *808  | *840  | *848  |
| <b>Total input</b>                                     | *2829                         | *2829 | *2958 | *3023 | *3145 | *3188 |
| <b>Total production</b>                                | *959                          | *939  | *1011 | *1070 | *1129 | *1159 |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 33    | 34    | 35    | 36    | 36    |

## Statistics on electricity

### Georgia

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 9698                          | 10059 | 10371 | 10833 | 11574 | 11531 |
| Combustible fuels                                      | 2477                          | 1788  | 2036  | 2379  | 2236  | 2233  |
| Hydro  | 7221                          | 8271  | 8335  | 8454  | 9329  | 9210  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | 9     | 88    |
| Main activity  | 9698                          | 10059 | 10371 | 10833 | 11574 | 11531 |
| Combustible fuels                                      | 2477                          | 1788  | 2036  | 2379  | 2236  | 2233  |
| Hydro  | 7221                          | 8271  | 8335  | 8454  | 9329  | 9210  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | 9     | 88    |
| Own use in electricity, CHP and heat plants            | 226                           | 199   | 217   | 240   | 209   | 215   |
| Net production   | 9472                          | 9860  | 10154 | 10592 | 11365 | 11316 |
| Imports  | 615                           | 484   | 853   | 699   | 1329  | 1751  |
| Exports  | 528                           | 450   | 604   | 660   | 1409  | 940   |
| Losses   | 1094                          | 805   | 600   | 711   | 784   | 904   |
| Consumption  | 8452                          | 9089  | 9801  | 9921  | 10501 | 11224 |
| Energy industries own use                              | 284                           | 15    | 17    | 14    | 14    | 15    |
| By industry and construction                           | 2876                          | 2327  | 2816  | 2752  | 2902  | 3295  |
| By transport   | 405                           | 282   | 267   | 294   | 301   | 337   |
| By households and other cons.                          | 4887                          | 6465  | 6701  | 6861  | 7284  | 7578  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *4350                         | 3471  | 3471  | 3718  | 3919  | 4121  |
| Combustible fuels                                      | *1688                         | 680   | 680   | 913   | 926   | 924   |
| Hydro  | *2662                         | 2791  | 2791  | 2805  | 2972  | 3176  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | 21    | 21    |
| Main activity  | *4350                         | 3471  | 3471  | 3718  | 3919  | 4121  |
| Combustible fuels                                      | *1688                         | 680   | 680   | 913   | 926   | 924   |
| Hydro  | *2662                         | 2791  | 2791  | 2805  | 2972  | 3176  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | 21    | 21    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Brown Coal   | ..                            | ..    | ..    | ..    | 451   | 634   |
| Gas-diesel oil   | 0                             | 0     | 0     | 0     | 0     | ..    |
| Natural gas  | 22588                         | 18869 | 22345 | 25252 | 20284 | 20261 |
| <b>Total input</b>                                     | 22588                         | 18869 | 22345 | 25252 | 20735 | 20895 |
| <b>Total production</b>                                | 8917                          | 6437  | 7330  | 8563  | 8048  | 8039  |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 34    | 33    | 34    | 39    | 38    |

## Statistics on electricity

### Germany

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 629812                        | 638729  | 627795  | 646888  | 649119  | 653736  |
| Combustible fuels                                      | 423424                        | 428094  | 409688  | 410315  | 419591  | 404299  |
| Hydro  | 27849                         | 28782   | 25444   | 24898   | 26135   | 26155   |
| Nuclear  | 99460                         | 97290   | 97129   | 91786   | 84634   | 76324   |
| Other  | 79079                         | 84563   | 95534   | 119889  | 118759  | 146958  |
| Main activity  | 585718                        | 593837  | 582345  | 596674  | 594256  | 596959  |
| Combustible fuels                                      | 381003                        | 384628  | 365814  | 361482  | 366194  | 348810  |
| Hydro  | 27499                         | 28600   | 25282   | 24741   | 25959   | 25983   |
| Nuclear  | 99460                         | 97290   | 97129   | 91786   | 84634   | 76324   |
| Other  | 77756                         | 83319   | 94120   | 118665  | 117469  | 145842  |
| Own use in electricity, CHP and heat plants            | 37072                         | 36912   | 35843   | 36813   | 34964   | 34677   |
| Net production   | 592740                        | 601817  | 591952  | 610075  | 614155  | 619059  |
| Imports  | 46268                         | 39222   | 40435   | 37008   | 28338   | 27842   |
| Exports  | 66810                         | 71415   | 74320   | 85290   | 78863   | 80301   |
| Losses   | 24562                         | 24474   | 24159   | 25605   | 25759   | 27024   |
| Consumption  | 547637                        | 545150  | 533907  | 536188  | 537871  | 539576  |
| Energy industries own use                              | 21803                         | 21949   | 21072   | 21457   | 20494   | 20617   |
| By industry and construction                           | 226239                        | 224269  | 228773  | 224880  | 226598  | 228091  |
| By transport   | 12025                         | 11925   | 11523   | 11148   | 11739   | 11957   |
| By households and other cons.                          | 287570                        | 287007  | 272539  | 278703  | 279040  | 278911  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 178400                        | 185308  | 197501  | 203419  | 208500  | 215510  |
| Combustible fuels                                      | 89649                         | 91368   | 97203   | 96967   | 95716   | 95134   |
| Hydro  | 11257                         | 11240   | 11234   | 11399   | 11300   | 11120   |
| Nuclear  | 12068                         | 12068   | 12074   | 10799   | 10799   | 10799   |
| Other  | 65426                         | 70632   | 76990   | 84254   | 90685   | 98457   |
| Main activity  | 171381                        | 175689  | 187694  | 192701  | 197912  | 203931  |
| Combustible fuels                                      | 82912                         | 82072   | 87747   | 86552   | 85409   | 83824   |
| Hydro  | 11185                         | 11198   | 11190   | 11356   | 11257   | 11078   |
| Nuclear  | 12068                         | 12068   | 12074   | 10799   | 10799   | 10799   |
| Other  | 65216                         | 70351   | 76683   | 83994   | 90447   | 98230   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 1130473                       | 1254261 | 1162815 | 1127187 | 1090750 | 875477  |
| Brown Coal   | 1531986                       | 1509182 | 1468554 | 1460006 | 1411719 | 1394434 |
| Biogas   | 190358                        | 214517  | 228266  | 241313  | 249983  | 238794  |
| Other oil products                                     | 29386                         | 28462   | 22110   | 26452   | 21507   | 21467   |
| Natural gas  | 692263                        | 616961  | 555763  | 555451  | 707551  | 749713  |
| Coke-oven gas  | 17104                         | 19258   | 17522   | 22759   | 24647   | 27371   |
| Blast furnace gas                                      | 67615                         | 73193   | 69845   | 69659   | 73166   | 71768   |
| Fuelwood   | *135851                       | *131071 | *135878 | *127284 | *121458 | *120958 |
| Municipal waste  | 156878                        | 177360  | 189580  | 179782  | 194092  | 196030  |
| Industrial waste                                       | 25478                         | 19234   | 22477   | 21594   | 22892   | 21245   |
| Others   | 67565                         | 61577   | 56800   | 58347   | 59799   | 58665   |
| <b>Total input</b>                                     | 4044957                       | 4105075 | 3929610 | 3889832 | 3977564 | 3775923 |
| <b>Total production</b>                                | 1524326                       | 1541138 | 1474877 | 1477134 | 1510528 | 1455476 |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 38      | 38      | 38      | 38      | 39      |

**Statistics on electricity**
**Ghana**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 12204                         | 13050 | 13143 | 11672 | 13203 | 14248 |
| Combustible fuels                                      | 4133                          | 4814  | 4752  | 5824  | 7615  | 8604  |
| Hydro  | 8071                          | 8233  | 8387  | 5845  | 5561  | 5616  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | 3     | 4     | 3     | 27    | 28    |
| Main activity  | 12024                         | 12870 | 12963 | 11492 | 13023 | 14068 |
| Combustible fuels                                      | 3953                          | 4634  | 4572  | 5644  | 7435  | 8424  |
| Hydro  | 8071                          | 8233  | 8387  | 5845  | 5561  | 5616  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | 3     | 4     | 3     | 27    | 28    |
| Own use in electricity, CHP and heat plants            | 180                           | 67    | 58    | 38    | 71    | 251   |
| Net production   | 12024                         | 12983 | 13085 | 11634 | 13132 | 13997 |
| Imports  | 128                           | 27    | 51    | 223   | 745   | 320   |
| Exports  | 667                           | 530   | 522   | 587   | 187   | 268   |
| Losses   | 1435                          | 1661  | 1739  | 1406  | 1845  | 1920  |
| Consumption  | 9906                          | 10636 | 10694 | 9778  | 11523 | 12120 |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 3160                          | 3284  | 3262  | 2659  | 3088  | 3078  |
| By transport   | 3                             | 4     | 4     | 9     | 6     | 6     |
| By households and other cons.                          | 6743                          | 7348  | 7428  | 7110  | 8429  | 9036  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 2910                          | 3041  | 3041  | 3866  | 4005  | 4609  |
| Combustible fuels                                      | 1730                          | 1458  | 1458  | 2263  | 2402  | 3006  |
| Hydro  | 1180                          | 1580  | 1580  | 1580  | 1580  | 1580  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 0                             | 3     | 3     | 23    | 23    | 23    |
| Main activity  | 2700                          | 2831  | 2831  | 3656  | 3795  | 4399  |
| Combustible fuels                                      | 1520                          | 1248  | 1248  | 2053  | 2192  | 2796  |
| Hydro  | 1180                          | 1580  | 1580  | 1580  | 1580  | 1580  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 0                             | 3     | 3     | 23    | 23    | 23    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Crude oil  | 32613                         | 37393 | 25211 | 12394 | 25380 | 10448 |
| Gas-diesel oil   | 585                           | 228   | 65    | 43    | 1871  | 1484  |
| Fuel oil   | ..                            | ..    | ..    | ..    | 14920 | 4775  |
| Liquefied petroleum gas                                | ..                            | ..    | ..    | ..    | ..    | 3888  |
| Natural gas  | 16294                         | 11815 | 25805 | 46315 | 21658 | 43517 |
| <b>Total input</b>                                     | 49492                         | 49437 | 51080 | 58752 | 63828 | 64112 |
| <b>Total production</b>                                | 14879                         | 17330 | 17107 | 20966 | 27414 | 30974 |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 35    | 33    | 36    | 43    | 48    |

## Statistics on electricity

### Gibraltar

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 176                           | 189  | 198  | 224  | 254  | 274  |
| Combustible fuels                                      | 176                           | 189  | 198  | 224  | 254  | 274  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 176                           | 189  | 198  | 224  | 254  | 274  |
| Combustible fuels                                      | 176                           | 189  | 198  | 224  | 254  | 274  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 4                             | 4    | 4    | 4    | 5    | 5    |
| Net production   | 172                           | 185  | 194  | 220  | 249  | 269  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 5                             | 6    | 6    | 7    | 8    | 8    |
| Consumption  | 167                           | 179  | 188  | 213  | 241  | 260  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 167                           | 179  | 188  | 213  | 241  | 260  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 43                            | 43   | 43   | *43  | *48  | *48  |
| Combustible fuels                                      | 43                            | 43   | 43   | *43  | *43  | *43  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | 5    | 5    |
| Main activity  | 43                            | 43   | 43   | *43  | *48  | *48  |
| Combustible fuels                                      | 43                            | 43   | 43   | *43  | *43  | *43  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | 5    | 5    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Fuel oil   | 1737                          | 1858 | 1939 | 2222 | 2505 | 2707 |
| <b>Total input</b>                                     | 1737                          | 1858 | 1939 | 2222 | 2505 | 2707 |
| <b>Total production</b>                                | 634                           | 680  | 713  | 806  | 914  | 986  |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 37   | 37   | 36   | 37   | 36   |

## Statistics on electricity

### Greece

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 60959                         | 57152  | 50474  | 51874  | 54439  | 55266  |
| Combustible fuels                                      | 50824                         | 42981  | 38386  | 37203  | 39798  | 41698  |
| Hydro  | 4591                          | 6384   | 4607   | 6150   | 5565   | 4040   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 5544                          | 7787   | 7481   | 8521   | 9076   | 9528   |
| Main activity  | 58608                         | 55267  | 48682  | 49534  | 52492  | 53333  |
| Combustible fuels                                      | 48473                         | 41096  | 36594  | 34863  | 37851  | 39765  |
| Hydro  | 4591                          | 6384   | 4607   | 6150   | 5565   | 4040   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 5544                          | 7787   | 7481   | 8521   | 9076   | 9528   |
| Own use in electricity, CHP and heat plants            | 7305                          | 4592   | 3772   | 4068   | 4212   | 4677   |
| Net production   | 53654                         | 52560  | 46702  | 47806  | 50227  | 50589  |
| Imports  | 5954                          | 5788   | 9461   | 11081  | 9833   | 8696   |
| Exports  | 4169                          | 3901   | 642    | 1473   | 1037   | 2459   |
| Losses   | 1611                          | 3895   | 4149   | 4895   | 3957   | 1102   |
| Consumption  | 53828                         | 50552  | 51372  | 52519  | 55066  | 55726  |
| Energy industries own use                              | 1811                          | 1761   | 1872   | 1732   | 1703   | 1755   |
| By industry and construction                           | 11573                         | 11366  | 12869  | 12668  | 11285  | 12286  |
| By transport   | 189                           | 267    | 343    | 388    | 186    | 188    |
| By households and other cons.                          | 40255                         | 37158  | 36288  | 37731  | 41892  | 41497  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 17751                         | 18855  | 18895  | 18942  | 19165  | 19427  |
| Combustible fuels                                      | 11226                         | 11229  | 10932  | 10855  | 10799  | 10805  |
| Hydro  | 3236                          | 3238   | 3389   | 3392   | 3392   | 3392   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 3289                          | 4388   | 4574   | 4695   | 4974   | 5230   |
| Main activity  | 17229                         | 18328  | 18390  | 18381  | 18597  | 18856  |
| Combustible fuels                                      | 10704                         | 10702  | 10427  | 10294  | 10231  | 10234  |
| Hydro  | 3236                          | 3238   | 3389   | 3392   | 3392   | 3392   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 3289                          | 4388   | 4574   | 4695   | 4974   | 5230   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 54                            | 27     | ..     | ..     | ..     | ..     |
| Brown Coal   | 331017                        | 283513 | 271373 | 226190 | 174176 | 192614 |
| Biogas   | 3072                          | 2975   | 2961   | 3138   | 3623   | 3711   |
| Gas-diesel oil   | 11438                         | 10019  | 10320  | 11137  | 11911  | 13932  |
| Fuel oil   | 37774                         | 34623  | 35754  | 35592  | 25816  | 36683  |
| Liquefied petroleum gas                                | 1419                          | 189    | 142    | 0      | 2034   | 189    |
| Refinery gas   | 10692                         | 9455   | 11435  | 16781  | 14850  | 6633   |
| Natural gas  | 103109                        | 91617  | 59593  | 61257  | 103888 | 121628 |
| Fuelwood   | ..                            | ..     | ..     | *4     | *138   | *145   |
| Industrial waste                                       | 625                           | 883    | 868    | 1030   | 1364   | 0      |
| <b>Total input</b>                                     | 499200                        | 433301 | 392445 | 355129 | 337800 | 375536 |
| <b>Total production</b>                                | 182966                        | 154732 | 138190 | 133931 | 143273 | 150113 |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 36     | 35     | 38     | 42     | 40     |



## Statistics on electricity

### Greenland

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 459                           | 473  | 488  | 520  | 490  | 518  |
| Combustible fuels                                      | 115                           | 95   | 92   | 97   | 89   | 130  |
| Hydro  | 345                           | 378  | 396  | 423  | 401  | 388  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 459                           | 473  | 488  | 520  | 490  | 518  |
| Combustible fuels                                      | 115                           | 95   | 92   | 97   | 89   | 130  |
| Hydro  | 345                           | 378  | 396  | 423  | 401  | 388  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 7                             | 17   | 16   | 17   | 15   | 16   |
| Net production   | 452                           | 456  | 472  | 504  | 476  | 502  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *9                            | *10  | *12  | *12  | *12  | 13   |
| Consumption  | 384                           | 309  | 319  | 331  | 320  | 328  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 128                           | 44   | 45   | 47   | 51   | 52   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 257                           | 265  | 274  | 284  | 269  | 275  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *172                          | *187 | 187  | *187 | *187 | 187  |
| Combustible fuels                                      | *96                           | *96  | 96   | *96  | *96  | 96   |
| Hydro  | 76                            | 91   | 91   | 91   | 91   | 91   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | *156                          | 171  | 171  | 171  | 171  | 171  |
| Combustible fuels                                      | *80                           | *80  | 80   | *80  | *80  | 80   |
| Hydro  | 76                            | 91   | 91   | 91   | 91   | 91   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 1463                          | 1103 | 1138 | 1321 | 1074 | 1107 |
| Municipal waste  | 103                           | 117  | 92   | 98   | 94   | 94   |
| <b>Total input</b>                                     | 1566                          | 1220 | 1230 | 1419 | 1168 | 1201 |
| <b>Total production</b>                                | 413                           | 343  | 330  | 350  | 322  | 467  |
| <b>Estimated efficiency (% of production to input)</b> | 26                            | 28   | 27   | 25   | 28   | 39   |

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

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 200                           | 197  | 201  | 207  | 218  | 227  |
| Combustible fuels                                      | 200                           | 197  | 200  | 207  | 218  | 227  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Main activity  | 200                           | 197  | 200  | 206  | 217  | 225  |
| Combustible fuels                                      | 200                           | 197  | 200  | 206  | 217  | 225  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Own use in electricity, CHP and heat plants            | 7                             | 6    | 6    | 6    | 12   | 12   |
| Net production   | 193                           | 191  | 195  | 201  | 207  | 215  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 15                            | 15   | 15   | 17   | 18   | 19   |
| Consumption  | 178                           | 176  | 179  | 184  | 189  | 196  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 6                             | 6    | 6    | 6    | 5    | 6    |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 173                           | 170  | 173  | 178  | 184  | 190  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 49                            | 49   | 49   | 49   | 49   | 50   |
| Combustible fuels                                      | 48                            | 48   | 48   | 48   | 48   | 50   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Main activity  | 49                            | 49   | 48   | 48   | 48   | 50   |
| Combustible fuels                                      | 48                            | 48   | 48   | 48   | 48   | 50   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 2099                          | 2558 | 1642 | 1823 | 1944 | 2016 |
| <b>Total input</b>                                     | 2099                          | 2558 | 1642 | 1823 | 1944 | 2016 |
| <b>Total production</b>                                | 718                           | 708  | 721  | 745  | 786  | 815  |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 28   | 44   | 41   | 40   | 40   |

Statistics on electricity

Guam

| Item   | 2012                          | 2013 | 2014  | 2015 | 2016 | 2017 |
|--|-------------------------------|------|-------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |       |      |      |      |
| Total main activity and autoproducer                   | 1784                          | 1736 | *1703 | 1702 | 1720 | 1760 |
| Combustible fuels                                      | 1784                          | 1736 | *1703 | 1681 | 1668 | 1708 |
| Hydro  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..    | 22   | 52   | 52   |
| Main activity  | 1784                          | 1736 | *1703 | 1702 | 1720 | 1760 |
| Combustible fuels                                      | 1784                          | 1736 | *1703 | 1681 | 1668 | 1708 |
| Hydro  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..    | 22   | 52   | 52   |
| Own use in electricity, CHP and heat plants            | 0                             | 86   | *86   | 83   | 65   | 66   |
| Net production   | 1784                          | 1650 | *1618 | 1619 | 1655 | 1694 |
| Imports  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Losses   | 214                           | 101  | *84   | 79   | 81   | 84   |
| Consumption  | 1564                          | 1565 | 1533  | 1540 | 1574 | 1610 |
| Energy industries own use                              | ..                            | ..   | ..    | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..    | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..    | ..   | ..   | ..   |
| By households and other cons.                          | 1564                          | 1565 | 1533  | 1540 | 1574 | 1610 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |       |      |      |      |
| Total main activity and autoproducer                   | 552                           | 552  | 552   | 498  | 498  | 446  |
| Combustible fuels                                      | 552                           | 552  | 552   | 472  | 472  | 420  |
| Hydro  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..    | 26   | 26   | 26   |
| Main activity  | 552                           | 552  | 552   | 498  | 498  | 446  |
| Combustible fuels                                      | 552                           | 552  | 552   | 472  | 472  | 420  |
| Hydro  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..    | 26   | 26   | 26   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |       |      |      |      |
| <b>Total input</b>                                     | ..                            | ..   | ..    | ..   | ..   | ..   |
| <b>Total production</b>                                | 6422                          | 6251 | *6132 | 6050 | 6004 | 6148 |
| <b>Estimated efficiency (% of production to input)</b> | ..                            | ..   | ..    | ..   | ..   | ..   |

**Statistics on electricity**
**Guatemala**

| Item   | 2012                          | 2013  | 2014  | 2015   | 2016   | 2017   |
|--|-------------------------------|-------|-------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |        |        |        |
| Total main activity and autoproducer                   | 9337                          | 10125 | 10638 | 11157  | 11789  | 12272  |
| Combustible fuels                                      | 4634                          | 5254  | 5531  | 6769   | 7122   | 5816   |
| Hydro  | 4457                          | 4659  | 4853  | 3880   | 3971   | 5787   |
| Nuclear  | ..                            | ..    | ..    | ..     | ..     | ..     |
| Other  | 246                           | 212   | 254   | 508    | 696    | 669    |
| Main activity  | 8703                          | 9270  | 9782  | 10302  | 10878  | 11490  |
| Combustible fuels                                      | 4023                          | 4427  | 4703  | 5942   | 6231   | 5055   |
| Hydro  | 4435                          | 4631  | 4825  | 3852   | 3951   | 5765   |
| Nuclear  | ..                            | ..    | ..    | ..     | ..     | ..     |
| Other  | 246                           | 212   | 254   | 508    | 696    | 669    |
| Own use in electricity, CHP and heat plants            | 632                           | 754   | 855   | 747    | 868    | 886    |
| Net production   | 8705                          | 9371  | 9783  | 10410  | 10921  | 11386  |
| Imports  | 226                           | 267   | 708   | 585    | 747    | 891    |
| Exports  | 196                           | 588   | 1207  | 1087   | 1335   | 1858   |
| Losses   | 324                           | 314   | 330   | 333    | 383    | 373    |
| Consumption  | 8409                          | 8635  | 8953  | 9466   | 9907   | 10115  |
| Energy industries own use                              | ..                            | ..    | ..    | ..     | ..     | ..     |
| By industry and construction                           | 3240                          | 3093  | 3329  | 3547   | 3621   | 3707   |
| By transport   | ..                            | ..    | ..    | ..     | ..     | ..     |
| By households and other cons.                          | 5169                          | 5542  | 5624  | 5919   | 6286   | 6408   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |        |        |        |
| Total main activity and autoproducer                   | 2386                          | 2525  | 2626  | 3139   | 3442   | 3356   |
| Combustible fuels                                      | 1409                          | 1537  | 1624  | 1905   | 1942   | 1845   |
| Hydro  | 945                           | 955   | 964   | 1039   | 1306   | 1311   |
| Nuclear  | ..                            | ..    | ..    | ..     | ..     | ..     |
| Other  | 32                            | 34    | 39    | 194    | 194    | 200    |
| Main activity  | 1952                          | 1926  | 2152  | 2449   | 2737   | 2677   |
| Combustible fuels                                      | 980                           | 942   | 1154  | 1219   | 1241   | 1170   |
| Hydro  | 940                           | 950   | 959   | 1035   | 1302   | 1307   |
| Nuclear  | ..                            | ..    | ..    | ..     | ..     | ..     |
| Other  | 32                            | 34    | 39    | 194    | 194    | 200    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |        |        |        |
| Hard Coal  | 16722                         | 25198 | 27251 | 39065  | 45883  | 43218  |
| Gas-diesel oil   | 86                            | 340   | 340   | 138    | 77     | 114    |
| Fuel oil   | 15716                         | 19080 | 11966 | 13537  | 9328   | 4074   |
| Fuelwood   | ..                            | ..    | ..    | ..     | 12     | 5      |
| Bagasse  | 54524                         | 52353 | 56283 | 55979  | 85152  | 53779  |
| <b>Total input</b>                                     | 87048                         | 96970 | 95841 | 108719 | 140453 | 101190 |
| <b>Total production</b>                                | 16683                         | 18914 | 19911 | 24370  | 25638  | 20939  |
| <b>Estimated efficiency (% of production to input)</b> | 19                            | 20    | 21    | 22     | 18     | 21     |

## Statistics on electricity

### Guernsey

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016 | 2017 |
|--|-------------------------------|-------|-------|-------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |      |      |
| Total main activity and autoproducer                   | 68                            | 289   | 227   | 157   | 87   | 77   |
| Combustible fuels                                      | 68                            | 289   | 227   | 157   | 87   | 77   |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Other  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Main activity  | 68                            | 289   | 227   | 157   | 87   | 77   |
| Combustible fuels                                      | 68                            | 289   | 227   | 157   | 87   | 77   |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Other  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0     | 0     | 0     | 0    | 0    |
| Net production   | 68                            | 289   | 227   | 157   | 87   | 77   |
| Imports  | 313                           | 111   | 156   | 218   | 285  | 294  |
| Exports  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Losses   | 22                            | 36    | 19    | 28    | 23   | 17   |
| Consumption  | 358                           | 365   | 365   | 347   | 349  | 354  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..   | ..   |
| By industry and construction                           | ..                            | ..    | ..    | ..    | ..   | ..   |
| By transport   | ..                            | ..    | ..    | ..    | ..   | ..   |
| By households and other cons.                          | 358                           | 365   | 365   | 347   | 349  | 354  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |      |      |
| Total main activity and autoproducer                   | *115                          | *115  | *115  | *115  | *115 | *132 |
| Combustible fuels                                      | *115                          | *115  | *115  | *115  | *115 | *132 |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Other  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Main activity  | *115                          | *115  | *115  | *115  | *115 | *132 |
| Combustible fuels                                      | *115                          | *115  | *115  | *115  | *115 | *132 |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..   |
| Other  | ..                            | ..    | ..    | ..    | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |      |      |
| Gas-diesel oil   | *49                           | *49   | *49   | *49   | *43  | *43  |
| Fuel oil   | *606                          | *2424 | *1903 | *1329 | *727 | *646 |
| <b>Total input</b>                                     | *655                          | *2473 | *1951 | *1378 | *770 | *689 |
| <b>Total production</b>                                | 245                           | 1040  | 818   | 565   | 315  | 277  |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 42    | 42    | 41    | 41   | 40   |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016   | 2017   |
|--|-------------------------------|-------|-------|-------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |        |        |
| Total main activity and autoproducer                   | 728                           | 654   | 712   | 1118  | 1595   | 1753   |
| Combustible fuels                                      | 238                           | 172   | 287   | 741   | 1200   | 1325   |
| Hydro  | 491                           | 482   | 426   | 377   | 395    | 428    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Main activity  | 728                           | 627   | 552   | 441   | 429    | 503    |
| Combustible fuels                                      | 238                           | 144   | 126   | 64    | 34     | 76     |
| Hydro  | 491                           | 482   | 426   | 377   | 395    | 428    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 15                            | 10    | 10    | 15    | 20     | 23     |
| Net production   | 713                           | 644   | 702   | 1103  | 1575   | 1730   |
| Imports  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Exports  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Losses   | *109                          | *103  | *107  | *130  | *160   | *165   |
| Consumption  | *604                          | *541  | *596  | *966  | *1405  | *1550  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..     | ..     |
| By industry and construction                           | *239                          | *197  | *241  | *450  | *655   | *660   |
| By transport   | ..                            | ..    | ..    | ..    | ..     | ..     |
| By households and other cons.                          | *365                          | *344  | *355  | *516  | *751   | *890   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |        |        |
| Total main activity and autoproducer                   | 266                           | 390   | 279   | 596   | 593    | 640    |
| Combustible fuels                                      | 139                           | 263   | 153   | 228   | 226    | *273   |
| Hydro  | 128                           | 127   | 125   | 367   | 367    | 367    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Main activity  | 214                           | 338   | 227   | 496   | 444    | 460    |
| Combustible fuels                                      | 87                            | 211   | 101   | 128   | 77     | *93    |
| Hydro  | 128                           | 127   | 125   | 367   | 367    | 367    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |        |        |
| Gas-diesel oil   | *1505                         | *860  | *1806 | *6407 | *9116  | *10406 |
| Fuel oil   | *1091                         | *1010 | *1212 | *1212 | *3232  | *3232  |
| <b>Total input</b>                                     | *2596                         | *1870 | *3018 | *7619 | *12348 | *13638 |
| <b>Total production</b>                                | 855                           | 619   | 1032  | 2669  | 4321   | 4771   |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33    | 34    | 35    | 35     | 35     |

Statistics on electricity

Guinea-Bissau

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | *34                           | *35  | *35  | *36  | *38  | *39  |
| Combustible fuels                                      | *34                           | *35  | *35  | *36  | *38  | *39  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | *26                           | *27  | *27  | *28  | *30  | *30  |
| Combustible fuels                                      | *26                           | *27  | *27  | *28  | *30  | *30  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | *34                           | *35  | *35  | *36  | *38  | *39  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | ..                            | ..   | ..   | ..   | ..   | ..   |
| Consumption  | *34                           | *35  | *35  | *36  | *38  | *39  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | *20                           | *20  | *20  | *21  | *22  | *22  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *15                           | *15  | *15  | *15  | *16  | *16  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *27                           | *27  | *28  | *28  | *28  | *28  |
| Combustible fuels                                      | *27                           | *27  | *28  | *28  | *28  | *28  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | *25                           | *25  | *26  | *26  | *26  | *26  |
| Combustible fuels                                      | *25                           | *25  | *26  | *26  | *26  | *26  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 357                           | *366 | *387 | *396 | *413 | *417 |
| <b>Total input</b>                                     | 357                           | *366 | *387 | *396 | *413 | *417 |
| <b>Total production</b>                                | *123                          | *127 | *127 | *131 | *136 | *140 |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 35   | 33   | 33   | 33   | 34   |

**Statistics on electricity**
**Guyana**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 943                           | 962   | 980   | 1039  | 1082  | 1127  |
| Combustible fuels                                      | 942                           | 962   | 979   | 1038  | 1081  | 1124  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *1                            | *1    | *1    | *1    | *1    | *2    |
| Main activity  | 658                           | 660   | 778   | 750   | 790   | 823   |
| Combustible fuels                                      | 657                           | 659   | 777   | 749   | 789   | 821   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *1                            | *1    | *1    | *1    | *1    | *2    |
| Own use in electricity, CHP and heat plants            | 128                           | 29    | 30    | 31    | 32    | 34    |
| Net production   | 814                           | 933   | 950   | 1009  | 1050  | 1092  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 242                           | 230   | 215   | 219   | 224   | 233   |
| Consumption  | 525                           | 704   | 735   | 789   | 826   | 859   |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 158                           | 235   | 306   | 307   | 321   | 334   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 367                           | 468   | 430   | 483   | 505   | 526   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 372                           | 392   | 375   | 351   | 343   | 354   |
| Combustible fuels                                      | 371                           | 391   | 374   | 350   | 342   | 351   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1                             | 1     | 1     | 1     | 2     | 3     |
| Main activity  | 318                           | 338   | 321   | 297   | 289   | 300   |
| Combustible fuels                                      | 317                           | 337   | 320   | 296   | 288   | 297   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1                             | 1     | 1     | 1     | 2     | 3     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 2845                          | 3106  | 2819  | 2532  | 2635  | 3096  |
| Fuel oil   | 6700                          | 7183  | 7137  | 7502  | 8118  | 7908  |
| Bagasse  | 424                           | 512   | 480   | 621   | 448   | 327   |
| <b>Total input</b>                                     | 9969                          | 10802 | 10436 | 10655 | 11200 | 11331 |
| <b>Total production</b>                                | 3391                          | 3462  | 3523  | 3738  | 3890  | 4048  |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 32    | 34    | 35    | 35    | 36    |



## Statistics on electricity

### Haiti

| Item   | 2012                          | 2013 | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |       |       |       |       |
| Total main activity and autoproducer                   | 1100                          | 1055 | 1033  | 1038  | 1084  | 1056  |
| Combustible fuels                                      | 879                           | 914  | 943   | 955   | 1013  | 928   |
| Hydro  | 221                           | 141  | 90    | 83    | 71    | 127   |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..   | ..    | ..    | ..    | 1     |
| Main activity  | 1052                          | 1005 | 943   | 831   | 874   | 843   |
| Combustible fuels                                      | 831                           | 864  | 853   | 748   | 803   | 715   |
| Hydro  | 221                           | 141  | 90    | 83    | 71    | 127   |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..   | ..    | ..    | ..    | 1     |
| Own use in electricity, CHP and heat plants            | 28                            | 19   | 11    | 17    | 17    | 17    |
| Net production   | 1072                          | 1036 | 1022  | 1021  | 1067  | 1039  |
| Imports  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Losses   | 627                           | 599  | 621   | 608   | 617   | 624   |
| Consumption  | 493                           | 456  | 410   | 411   | 417   | 422   |
| Energy industries own use                              | ..                            | ..   | ..    | ..    | ..    | ..    |
| By industry and construction                           | 194                           | 171  | 184   | 184   | 187   | 189   |
| By transport   | ..                            | ..   | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 299                           | 285  | 226   | 227   | 230   | 233   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |       |       |       |       |
| Total main activity and autoproducer                   | 268                           | *340 | *321  | *333  | *336  | *344  |
| Combustible fuels                                      | 207                           | *262 | *259  | *271  | *274  | *282  |
| Hydro  | 61                            | 77   | 61    | 61    | 61    | 61    |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | 1                             | 1    | 1     | 1     | 1     | 1     |
| Main activity  | 194                           | *246 | *228  | *237  | *240  | *245  |
| Combustible fuels                                      | 133                           | *168 | *166  | *175  | *178  | *183  |
| Hydro  | 61                            | 77   | 61    | 61    | 61    | 61    |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | 1                             | 1    | 1     | 1     | 1     | 1     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |       |       |       |       |
| Gas-diesel oil   | 6880                          | 6149 | 5504  | 8127  | 8213  | 8342  |
| Fuel oil   | 2262                          | 2666 | 5171  | 4404  | 4484  | 4525  |
| <b>Total input</b>                                     | 9142                          | 8815 | 10675 | 12531 | 12697 | 12867 |
| <b>Total production</b>                                | 3164                          | 3290 | 3395  | 3438  | 3647  | 3341  |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 37   | 32    | 27    | 29    | 26    |

**Statistics on electricity**
**Honduras**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 7378                          | 7499  | 8398  | 8965  | 8783  | 9345  |
| Combustible fuels                                      | 4253                          | 4450  | 5398  | 5543  | 4978  | 4662  |
| Hydro  | 2787                          | 2739  | 2602  | 2340  | 2350  | 3088  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 338                           | 310   | 398   | 1082  | 1455  | 1595  |
| Main activity  | 7234                          | 7309  | 8120  | 8487  | 8395  | 9015  |
| Combustible fuels                                      | 4109                          | 4260  | 5120  | 5065  | 4590  | 4332  |
| Hydro  | 2787                          | 2739  | 2602  | 2340  | 2350  | 3088  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 338                           | 310   | 398   | 1082  | 1455  | 1595  |
| Own use in electricity, CHP and heat plants            | 15                            | 13    | 15    | 16    | 17    | 17    |
| Net production   | 7363                          | 7486  | 8383  | 8949  | 8766  | 9328  |
| Imports  | 154                           | 268   | 827   | 679   | 195   | 329   |
| Exports  | 79                            | 156   | 505   | 536   | 16    | 25    |
| Losses   | 1927                          | 1902  | 1411  | 1295  | 1319  | 1385  |
| Consumption  | 5511                          | 5696  | 7310  | 7814  | 7617  | 8247  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 1627                          | 1683  | 1837  | 2112  | 1681  | 1820  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 3884                          | 4013  | 5473  | 5702  | 5936  | 6427  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 1783                          | 1743  | 1897  | 2250  | 2439  | 2562  |
| Combustible fuels                                      | 1143                          | 1083  | 1121  | 1078  | 1185  | 1185  |
| Hydro  | 538                           | 558   | 624   | 632   | 670   | 666   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 102                           | 102   | 152   | 540   | 584   | 711   |
| Main activity  | 1645                          | 1619  | 1755  | 2081  | 2229  | 2352  |
| Combustible fuels                                      | 1005                          | 959   | 979   | 909   | 975   | 975   |
| Hydro  | 538                           | 558   | 624   | 632   | 670   | 666   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 102                           | 102   | 152   | 540   | 584   | 711   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 671                           | 1084  | 1264  | 929   | 2193  | 5315  |
| Gas-diesel oil   | 1849                          | 2107  | 1161  | 1505  | 1161  | 1032  |
| Fuel oil   | 33047                         | 36158 | 39471 | 42339 | 34582 | 30704 |
| Fuelwood   | *4881                         | *4760 | *3270 | *6494 | *9135 | *8109 |
| <b>Total input</b>                                     | 40448                         | 44109 | 45166 | 51267 | 47071 | 45160 |
| <b>Total production</b>                                | 15311                         | 16020 | 19433 | 19955 | 17921 | 16783 |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 36    | 43    | 39    | 38    | 37    |

## Statistics on electricity

### Hungary

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 34635                         | 30294  | 29403  | 30360  | 31902  | 32871  |
| Combustible fuels                                      | 17851                         | 13936  | 12674  | 13395  | 14583  | 15363  |
| Hydro  | 213                           | 213    | 301    | 234    | 259    | 220    |
| Nuclear  | 15793                         | 15370  | 15649  | 15834  | 16054  | 16098  |
| Other  | 778                           | 775    | 779    | 897    | 1006   | 1190   |
| Main activity  | 34119                         | 29679  | 28737  | 29554  | 30893  | 31616  |
| Combustible fuels                                      | 17343                         | 13378  | 12130  | 12792  | 13863  | 14502  |
| Hydro  | 213                           | 213    | 301    | 234    | 259    | 220    |
| Nuclear  | 15793                         | 15370  | 15649  | 15834  | 16054  | 16098  |
| Other  | 770                           | 718    | 657    | 694    | 717    | 796    |
| Own use in electricity, CHP and heat plants            | 2284                          | 2263   | 2262   | 2210   | 2354   | 2195   |
| Net production   | 32351                         | 28031  | 27141  | 28150  | 29548  | 30676  |
| Imports  | 16970                         | 16635  | 19079  | 19935  | 17951  | 19803  |
| Exports  | 9003                          | 4758   | 5689   | 6249   | 5240   | 6925   |
| Losses   | 3684                          | 3663   | 3631   | 3695   | 3566   | 3456   |
| Consumption  | 36400                         | 36241  | 35899  | 37439  | 38262  | 39641  |
| Energy industries own use                              | 1396                          | 1368   | 1162   | 1148   | 1110   | 1154   |
| By industry and construction                           | 14802                         | 14840  | 14696  | 15403  | 16002  | 16731  |
| By transport   | 983                           | 1227   | 1156   | 1171   | 1177   | 1209   |
| By households and other cons.                          | 19219                         | 18806  | 18885  | 19717  | 19973  | 20547  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 9400                          | 8418   | 8667   | 8634   | 8758   | 8858   |
| Combustible fuels                                      | 7007                          | 5987   | 6179   | 6062   | 6100   | 6088   |
| Hydro  | 56                            | 57     | 57     | 57     | 57     | 57     |
| Nuclear  | 2000                          | 2000   | 2000   | 2000   | 2000   | 2000   |
| Other  | 337                           | 374    | 431    | 515    | 601    | 713    |
| Main activity  | 9287                          | 8217   | 8393   | 8258   | 8290   | 8268   |
| Combustible fuels                                      | 6906                          | 5831   | 6007   | 5856   | 5878   | 5837   |
| Hydro  | 56                            | 57     | 57     | 57     | 57     | 57     |
| Nuclear  | 2000                          | 2000   | 2000   | 2000   | 2000   | 2000   |
| Other  | 325                           | 329    | 329    | 345    | 355    | 374    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 160                           | 0      | 29     | 0      | 2989   | 1001   |
| Brown Coal   | 70166                         | 68609  | 64078  | 63146  | 60077  | 53838  |
| Biogas   | 1608                          | 2269   | 2113   | 2202   | 2529   | 2505   |
| Fuel oil   | 929                           | 566    | 525    | 444    | 404    | 566    |
| Natural gas  | 92291                         | 57584  | 44671  | 49177  | 59535  | 69551  |
| Coke-oven gas  | 2162                          | 1596   | 1786   | 1284   | 2021   | 1722   |
| Blast furnace gas                                      | 2975                          | 1246   | 2141   | 2894   | 2130   | 2895   |
| Fuelwood   | *16471                        | *17663 | *21531 | *21071 | *19129 | *20873 |
| Municipal waste  | 3842                          | 3923   | 4096   | 4827   | 5194   | 4314   |
| Industrial waste                                       | 341                           | 296    | 398    | 807    | 1782   | 938    |
| Others   | 1298                          | 262    | 305    | 354    | 305    | 424    |
| <b>Total input</b>                                     | 192243                        | 154014 | 141674 | 146207 | 156094 | 158627 |
| <b>Total production</b>                                | 64264                         | 50170  | 45626  | 48222  | 52499  | 55307  |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33     | 32     | 33     | 34     | 35     |

## Statistics on electricity

### Iceland

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 17549                         | 18116 | 18123 | 18799 | 18550 | 19239 |
| Combustible fuels                                      | 3                             | 5     | 3     | 4     | 3     | 2     |
| Hydro  | 12337                         | 12863 | 12873 | 13781 | 13470 | 14059 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 5209                          | 5248  | 5247  | 5014  | 5077  | 5178  |
| Main activity  | 17549                         | 18116 | 18123 | 18799 | 18550 | 19239 |
| Combustible fuels                                      | 3                             | 5     | 3     | 4     | 3     | 2     |
| Hydro  | 12337                         | 12863 | 12873 | 13781 | 13470 | 14059 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 5209                          | 5248  | 5247  | 5014  | 5077  | 5178  |
| Own use in electricity, CHP and heat plants            | 253                           | 116   | 320   | 241   | 378   | 392   |
| Net production   | 17296                         | 18000 | 17803 | 18558 | 18172 | 18847 |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 486                           | 374   | 498   | 576   | 489   | 591   |
| Consumption  | 16523                         | 16989 | 17009 | 17665 | 17479 | 18062 |
| Energy industries own use                              | 166                           | 166   | 179   | 195   | 176   | 169   |
| By industry and construction                           | 14201                         | 14678 | 14682 | 15129 | 14840 | 15389 |
| By transport   | 1                             | 2     | 4     | 19    | 61    | 64    |
| By households and other cons.                          | 2155                          | 2143  | 2144  | 2322  | 2402  | 2440  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 2656                          | 2765  | 2766  | 2772  | 2772  | 2823  |
| Combustible fuels                                      | 114                           | 114   | 114   | 117   | 117   | 116   |
| Hydro  | 1877                          | 1984  | 1984  | 1987  | 1987  | 1995  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 665                           | 667   | 668   | 668   | 668   | 712   |
| Main activity  | 2656                          | 2765  | 2766  | 2772  | 2772  | 2823  |
| Combustible fuels                                      | 114                           | 114   | 114   | 117   | 117   | 116   |
| Hydro  | 1877                          | 1984  | 1984  | 1987  | 1987  | 1995  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 665                           | 667   | 668   | 668   | 668   | 712   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 43                            | 86    | 86    | 86    | 86    | 43    |
| <b>Total input</b>                                     | 43                            | 86    | 86    | 86    | 86    | 43    |
| <b>Total production</b>                                | 11                            | 18    | 11    | 14    | 11    | 7     |
| <b>Estimated efficiency (% of production to input)</b> | 25                            | 21    | 13    | 17    | 13    | 17    |

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

| Item   | 2012                          | 2013     | 2014     | 2015     | 2016     | 2017     |
|--|-------------------------------|----------|----------|----------|----------|----------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |          |          |          |          |          |
| Total main activity and autoproducer                   | 1035264                       | 1193480  | 1308873  | 1354382  | 1432358  | 1490293  |
| Combustible fuels                                      | 860173                        | 980599   | 1111341  | 1158338  | 1188280  | 1217575  |
| Hydro  | 113855                        | 141637   | 129353   | 121546   | 122507   | 126271   |
| Nuclear  | 32871                         | 34228    | 36102    | 37414    | 37916    | 38346    |
| Other  | 28365                         | 37016    | 32077    | 37084    | 83655    | 108101   |
| Main activity  | 906863                        | 1002743  | 1146816  | 1135434  | 1233926  | 1305954  |
| Combustible fuels                                      | 732001                        | 792477   | 951504   | 943013   | 993516   | 1037184  |
| Hydro  | 113626                        | 141508   | 129244   | 121377   | 122378   | 126123   |
| Nuclear  | 32871                         | 34228    | 36102    | 37414    | 37916    | 38346    |
| Other  | 28365                         | 34530    | 29966    | 33630    | 80116    | 104301   |
| Own use in electricity, CHP and heat plants            | *57238                        | 81588    | 90857    | 79302    | 95931    | 100862   |
| Net production   | 978026                        | 1111892  | 1218016  | 1275080  | 1336427  | 1389431  |
| Imports  | 5152                          | 5598     | 4998     | 5244     | 5617     | 5611     |
| Exports  | ..                            | ..       | 4433     | 5150     | 6710     | 7203     |
| Losses   | 185306                        | 220257   | 228325   | 240864   | 248834   | 259827   |
| Consumption  | 785130                        | 897233   | 955927   | 1034374  | 1071213  | 1135284  |
| Energy industries own use                              | ..                            | 7178     | *7600    | *5294    | *4945    | *4956    |
| By industry and construction                           | 352291                        | 374278   | *418346  | *451412  | 426665   | *468909  |
| By transport   | 14206                         | 15447    | 16177    | 16594    | 17217    | 14356    |
| By households and other cons.                          | 418633                        | 500330   | 513804   | 561074   | 622386   | 647063   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |          |          |          |          |          |
| Total main activity and autoproducer                   | 278262                        | *294879  | *316382  | 287134   | 374789   | 400701   |
| Combustible fuels                                      | 215522                        | *226449  | *241396  | 210430   | 267129   | 276294   |
| Hydro  | 39539                         | *40067   | *40064   | 40337    | 44591    | 45358    |
| Nuclear  | 4780                          | 4780     | 5780     | 5780     | 6780     | 6780     |
| Other  | 18421                         | *23583   | 29142    | *30587   | 56289    | 72269    |
| Main activity  | 241765                        | *256786  | *271722  | 205114   | 322506   | 343824   |
| Combustible fuels                                      | 179073                        | *190000  | *198745  | 130475   | 218330   | 222907   |
| Hydro  | 39491                         | *40000   | *40000   | 40272    | 44532    | 45293    |
| Nuclear  | 4780                          | 4780     | 5780     | 5780     | 6780     | 6780     |
| Other  | 18421                         | *22006   | 27197    | *28587   | 52864    | 68844    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |          |          |          |          |          |
| Hard Coal  | 8841855                       | 8249905  | 8625865  | 9353251  | 9407701  | 10218153 |
| Brown Coal   | 356142                        | *346863  | 376809   | 360925   | 665019   | 575130   |
| Gas-diesel oil   | 9202                          | 290293   | *281048  | 9632     | 16426    | 15222    |
| Fuel oil   | *19554                        | 34906    | 84234    | 19432    | 15231    | 12362    |
| Liquefied petroleum gas                                | ..                            | 142      | 142      | 142      | 95       | ..       |
| Naphtha  | 15219                         | 9568     | 8856     | 2225     | 2670     | 2982     |
| Natural gas  | 501381                        | 642401   | 418305   | *634158  | 654623   | 632575   |
| Coke-oven gas  | 23260                         | 25477    | *29968   | *30881   | *33073   | *36321   |
| Fuelwood   | *221496                       | *275463  | *222700  | *225409  | *749011  | *783371  |
| Vegetal waste  | *221496                       | *225681  | *327716  | *349703  | *231629  | *242255  |
| <b>Total input</b>                                     | 10209605                      | 10100698 | 10375642 | 10985758 | 11775477 | 12518371 |
| <b>Total production</b>                                | 3096623                       | 3530156  | 4000828  | 4170017  | 4277808  | 4383270  |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 35       | 39       | 38       | 36       | 35       |

**Statistics on electricity**
**Indonesia**

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 196181                        | 222017  | 234549  | 267287  | 233367  | *283647 |
| Combustible fuels                                      | 173957                        | 192591  | 199993  | 240698  | 201209  | *251766 |
| Hydro  | 12799                         | 15710   | 18800   | 17595   | 21475   | 18632   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 9425                          | 13717   | 15756   | 8995    | 10683   | 13249   |
| Main activity  | 155615                        | 169254  | 175297  | 157027  | 166458  | *224746 |
| Combustible fuels                                      | 135670                        | 146602  | 150478  | 142227  | 148606  | *207769 |
| Hydro  | 10525                         | 13014   | 14816   | 10005   | 13885   | 12425   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 9420                          | 9638    | 10003   | 4796    | 3967    | 4552    |
| Own use in electricity, CHP and heat plants            | 5791                          | 10842   | 10012   | 12838   | 9912    | *14068  |
| Net production   | 190390                        | 211175  | 224537  | 254449  | 223455  | *269579 |
| Imports  | 2                             | 3       | 9       | 13      | 1       | 1120    |
| Exports  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Losses   | 17847                         | 20701   | 22006   | 22057   | 22706   | 24887   |
| Consumption  | 173991                        | 196967  | 198355  | 212767  | 215781  | 244637  |
| Energy industries own use                              | ..                            | ..      | ..      | ..      | ..      | ..      |
| By industry and construction                           | 60176                         | 72153   | 65909   | 72541   | 68145   | 93465   |
| By transport   | 108                           | 129     | 155     | 257     | ..      | 240     |
| By households and other cons.                          | 113707                        | 124685  | 132291  | 139969  | 147636  | 150932  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 53125                         | 56315   | 61689   | 74448   | 59305   | *60980  |
| Combustible fuels                                      | 46603                         | 48875   | 53692   | 65967   | 52622   | *53517  |
| Hydro  | 5067                          | 5191    | 5655    | 6186    | 4868    | *5190   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 1454                          | 2249    | 2342    | 2295    | *1815   | *2273   |
| Main activity  | 45023                         | 46427   | 51651   | 55394   | 39980   | *41099  |
| Combustible fuels                                      | 39020                         | 40441   | 45258   | 48967   | 35622   | *36228  |
| Hydro  | 4552                          | 4491    | 4805    | 4886    | 3568    | *3804   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 1450                          | 1495    | 1588    | 1541    | 790     | *1067   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 1364290                       | 1562018 | 1711643 | 1850002 | 1854221 | 2013593 |
| Motor gasoline   | ..                            | ..      | ..      | 7664    | 7752    | 6867    |
| Gas-diesel oil   | 322113                        | 258129  | 253528  | 155316  | 130333  | 97653   |
| Fuel oil   | 60600                         | 44521   | 24725   | 20200   | 21129   | 16483   |
| Natural gas  | 479651                        | 533975  | 509724  | 777817  | 452991  | 559508  |
| Fuelwood   | *2592                         | *4104   | *3708   | *4111   | *10512  | *9711   |
| Charcoal   | ..                            | 2183    | *266    | 266     | *266    | *266    |
| Biodiesel  | ..                            | ..      | *6698   | *5814   | *10378  | *6734   |
| <b>Total input</b>                                     | 2229246                       | 2404930 | 2510291 | 2821189 | 2487582 | 2710814 |
| <b>Total production</b>                                | 626245                        | 693326  | 719976  | 866513  | 724352  | *906357 |
| <b>Estimated efficiency (% of production to input)</b> | 28                            | 29      | 29      | 31      | 29      | 33      |

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

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 254276                        | 262434  | 274437  | 280633  | 289108  | 307982  |
| Combustible fuels                                      | 239752                        | 242909  | 255870  | 263393  | 265799  | 285012  |
| Hydro  | 12447                         | 14582   | 13862   | 14090   | 16421   | 15051   |
| Nuclear  | 1847                          | 4546    | 4472    | 2914    | 6620    | 7514    |
| Other  | 230                           | 397     | 233     | 236     | 268     | 405     |
| Main activity  | 243536                        | 255885  | 268167  | 274193  | 282626  | 300077  |
| Combustible fuels                                      | 229012                        | 236360  | 249600  | 256953  | 259317  | 277107  |
| Hydro  | 12447                         | 14582   | 13862   | 14090   | 16421   | 15051   |
| Nuclear  | 1847                          | 4546    | 4472    | 2914    | 6620    | 7514    |
| Other  | 230                           | 397     | 233     | 236     | 268     | 405     |
| Own use in electricity, CHP and heat plants            | 8558                          | 9137    | 8717    | 8130    | 8856    | 9466    |
| Net production   | 245718                        | 253297  | 265720  | 272503  | 280252  | 298516  |
| Imports  | 3897                          | 3707    | 3772    | 4148    | 4221    | 3852    |
| Exports  | 11029                         | 11586   | 9660    | 6822    | 6688    | 8172    |
| Losses   | 36794                         | 38049   | 34610   | 33818   | 33513   | 33722   |
| Consumption  | 201793                        | 208298  | 224225  | 235735  | 243971  | 255260  |
| Energy industries own use                              | 2391                          | 2705    | 2797    | 2915    | 3016    | 3225    |
| By industry and construction                           | 71989                         | 72852   | 75689   | 77186   | 80680   | 80749   |
| By transport   | 371                           | 286     | 380     | 549     | *436    | *477    |
| By households and other cons.                          | 127041                        | 132455  | 145359  | 155085  | 159839  | 170809  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 68894                         | 70236   | 73148   | 74185   | 74104   | *76428  |
| Combustible fuels                                      | 58015                         | 58833   | 61174   | 61632   | 61262   | *63145  |
| Hydro  | 9746                          | 10266   | 10789   | 11354   | 11578   | 11949   |
| Nuclear  | 1020                          | 1020    | 1020    | 1020    | 1020    | 1020    |
| Other  | 113                           | 117     | 166     | 179     | 244     | 314     |
| Main activity  | 63313                         | 64655   | 67568   | 68604   | 68523   | *70675  |
| Combustible fuels                                      | 52434                         | 53252   | 55593   | 56051   | 55681   | *57392  |
| Hydro  | 9746                          | 10266   | 10789   | 11354   | 11578   | 11949   |
| Nuclear  | 1020                          | 1020    | 1020    | 1020    | 1020    | 1020    |
| Other  | 113                           | 117     | 166     | 179     | 244     | 314     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Biogas   | 127                           | 127     | 127     | 127     | 282     | 288     |
| Gas-diesel oil   | 290708                        | 290783  | 332024  | 227649  | 212721  | 175483  |
| Fuel oil   | 554397                        | 585589  | 394140  | 266494  | 171054  | 140632  |
| Other kerosene   | ..                            | ..      | ..      | ..      | ..      | 175     |
| Natural gas  | 1587843                       | 1430042 | 1957762 | 2279763 | 2431484 | 2730586 |
| Coke-oven gas  | 0                             | 35      | 186     | 88      | 183     | 2181    |
| Blast furnace gas                                      | 7980                          | 9088    | 10284   | 9064    | 6845    | 7739    |
| <b>Total input</b>                                     | 2441055                       | 2315664 | 2694523 | 2783185 | 2822569 | 3057085 |
| <b>Total production</b>                                | 863107                        | 874472  | 921132  | 948215  | 956876  | 1026043 |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 38      | 34      | 34      | 34      | 34      |

**Statistics on electricity**
**Iraq**

| Item   | 2012                          | 2013   | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|--------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |         |         |         |         |
| Total main activity and autoproducer                   | 46018                         | 58422  | 67768   | *68688  | 80030   | 83890   |
| Combustible fuels                                      | 41626                         | 53665  | 64837   | *66116  | 76659   | 81714   |
| Hydro  | 4392                          | 4757   | 2931    | *2572   | 3371    | 2176    |
| Nuclear  | ..                            | ..     | ..      | ..      | ..      | ..      |
| Other  | ..                            | ..     | ..      | ..      | ..      | ..      |
| Main activity  | 46018                         | 58422  | 67768   | *68688  | 80030   | 83890   |
| Combustible fuels                                      | 41626                         | 53665  | 64837   | *66116  | 76659   | 81714   |
| Hydro  | 4392                          | 4757   | 2931    | *2572   | 3371    | 2176    |
| Nuclear  | ..                            | ..     | ..      | ..      | ..      | ..      |
| Other  | ..                            | ..     | ..      | ..      | ..      | ..      |
| Own use in electricity, CHP and heat plants            | 1373                          | 2310   | 1713    | *920    | 2023    | 3890    |
| Net production   | 44645                         | 56112  | 66055   | *67768  | 78007   | 80000   |
| Imports  | 10170                         | 12202  | 12251   | 13104   | 11965   | 11787   |
| Exports  | ..                            | ..     | ..      | ..      | ..      | ..      |
| Losses   | 19797                         | 23285  | 34312   | 31967   | 48958   | 52767   |
| Consumption  | 35076                         | 45042  | 43993   | 42035   | 38733   | 38377   |
| Energy industries own use                              | ..                            | ..     | ..      | ..      | ..      | ..      |
| By industry and construction                           | 8244                          | 9867   | 10071   | *8665   | 5180    | 5160    |
| By transport   | ..                            | ..     | ..      | ..      | ..      | ..      |
| By households and other cons.                          | 26832                         | 35175  | 33922   | 33370   | 33553   | 33217   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |         |         |         |         |
| Total main activity and autoproducer                   | 16952                         | 27110  | 25589   | 31111   | 32177   | 32177   |
| Combustible fuels                                      | 14439                         | 24597  | 23076   | 28598   | 29664   | 29664   |
| Hydro  | 2513                          | 2513   | 2513    | 2513    | 2513    | 2513    |
| Nuclear  | ..                            | ..     | ..      | ..      | ..      | ..      |
| Other  | ..                            | ..     | ..      | ..      | ..      | ..      |
| Main activity  | 16952                         | 27110  | 25589   | 31111   | 32177   | 32177   |
| Combustible fuels                                      | 14439                         | 24597  | 23076   | 28598   | 29664   | 29664   |
| Hydro  | 2513                          | 2513   | 2513    | 2513    | 2513    | 2513    |
| Nuclear  | ..                            | ..     | ..      | ..      | ..      | ..      |
| Other  | ..                            | ..     | ..      | ..      | ..      | ..      |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |         |         |         |         |
| Crude oil  | 125039                        | 191788 | 283114  | 348044  | 380489  | 338781  |
| Gas-diesel oil   | 289089                        | 333508 | 426345  | 359738  | 360340  | 360684  |
| Fuel oil   | 282396                        | 289506 | 229674  | 201071  | 233795  | 121523  |
| Naphtha  | 0                             | 0      | 0       | 0       | ..      | ..      |
| Natural gas  | 126599                        | 152218 | 183234  | 207313  | 225878  | 353870  |
| <b>Total input</b>                                     | 823123                        | 967021 | 1122367 | 1116166 | 1200501 | 1174858 |
| <b>Total production</b>                                | 149854                        | 193194 | 233413  | *238018 | 275972  | 294170  |
| <b>Estimated efficiency (% of production to input)</b> | 18                            | 20     | 21      | 21      | 23      | 25      |



## Statistics on electricity

### Ireland

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 27355                         | 25921  | 26088  | 28389  | 30513  | 30874  |
| Combustible fuels                                      | 22330                         | 20434  | 19958  | 20718  | 23385  | 22523  |
| Hydro  | 1014                          | 944    | 988    | 1095   | 973    | 895    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 4011                          | 4543   | 5142   | 6576   | 6155   | 7456   |
| Main activity  | 25228                         | 23864  | 24014  | 26227  | 28308  | 28673  |
| Combustible fuels                                      | 20204                         | 18378  | 17886  | 18559  | 21186  | 20333  |
| Hydro  | 1014                          | 944    | 988    | 1095   | 973    | 895    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 4010                          | 4542   | 5140   | 6573   | 6149   | 7445   |
| Own use in electricity, CHP and heat plants            | 877                           | 806    | 776    | 771    | 823    | 787    |
| Net production   | 26478                         | 25115  | 25312  | 27618  | 29690  | 30087  |
| Imports  | 784                           | 2625   | 2853   | 1752   | 871    | 1116   |
| Exports  | 370                           | 383    | 704    | 1079   | 1583   | 1795   |
| Losses   | 2003                          | 2017   | 2028   | 2084   | 2135   | 2176   |
| Consumption  | 24735                         | 24991  | 24815  | 25729  | 26221  | 26368  |
| Energy industries own use                              | 570                           | 789    | 678    | 656    | 647    | 517    |
| By industry and construction                           | 9161                          | 9287   | 9396   | 9844   | 10143  | 10255  |
| By transport   | 46                            | 43     | 40     | 44     | 49     | 52     |
| By households and other cons.                          | 14958                         | 14872  | 14701  | 15185  | 15382  | 15544  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 8528                          | 8864   | 9155   | 9567   | 9905   | 10491  |
| Combustible fuels                                      | 6294                          | 6326   | 6341   | 6585   | 6584   | 6628   |
| Hydro  | 529                           | 529    | 529    | 529    | 529    | 529    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1705                          | 2009   | 2285   | 2453   | 2792   | 3334   |
| Main activity  | 8196                          | 8527   | 8812   | 9222   | 9554   | 10125  |
| Combustible fuels                                      | 5963                          | 5990   | 6000   | 6242   | 6239   | 6278   |
| Hydro  | 529                           | 529    | 529    | 529    | 529    | 529    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1704                          | 2008   | 2283   | 2451   | 2786   | 3318   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 49285                         | 42334  | 40473  | 48423  | 46439  | 37510  |
| Peat   | 28176                         | 22070  | 24120  | 24635  | 23893  | 22476  |
| Biogas   | 1974                          | 1764   | 1846   | 1917   | 1904   | 1878   |
| Gas-diesel oil   | 301                           | 172    | 301    | 774    | 473    | 301    |
| Fuel oil   | 1656                          | 1414   | 1980   | 2424   | 2182   | 1091   |
| Liquefied petroleum gas                                | ..                            | 47     | 0      | 47     | 47     | 47     |
| Refinery gas   | 347                           | 198    | 198    | 396    | 198    | 0      |
| Natural gas  | 105375                        | 97410  | 91598  | 88183  | 108711 | 112511 |
| Fuelwood   | *1697                         | *2130  | *2431  | *1794  | *3675  | *3561  |
| Municipal waste  | 1799                          | 2044   | 2096   | 2120   | 2132   | 4596   |
| <b>Total input</b>                                     | 190611                        | 169583 | 165043 | 170713 | 189654 | 183971 |
| <b>Total production</b>                                | 80388                         | 73562  | 71849  | 74585  | 84186  | 81083  |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 43     | 44     | 44     | 44     | 44     |

**Statistics on electricity**
**Isle of Man**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 281                           | 443  | 465  | 435  | 433  | 467  |
| Combustible fuels                                      | 278                           | 440  | 462  | 431  | 430  | 463  |
| Hydro  | *3                            | *3   | 3    | 4    | 3    | 4    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 253                           | 418  | 442  | 411  | 408  | 443  |
| Combustible fuels                                      | 250                           | 415  | 439  | 407  | 405  | 439  |
| Hydro  | *3                            | *3   | 3    | 4    | 3    | 4    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | 281                           | 443  | 465  | 435  | 433  | 467  |
| Imports  | 180                           | 58   | 42   | 63   | 65   | 41   |
| Exports  | 48                            | 77   | 93   | 87   | 105  | 95   |
| Losses   | 32                            | *30  | *30  | *30  | *30  | *30  |
| Consumption  | 381                           | 373  | 368  | 367  | 362  | 363  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 134                           | 137  | 137  | 141  | 139  | 133  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 247                           | 236  | 231  | 226  | 223  | 230  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 180                           | 186  | 186  | 186  | 184  | 187  |
| Combustible fuels                                      | 179                           | 185  | 185  | 185  | 183  | 186  |
| Hydro  | 1                             | 1    | 1    | 1    | 1    | 1    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 180                           | 186  | 186  | 186  | 176  | 180  |
| Combustible fuels                                      | 179                           | 185  | 185  | 185  | 175  | 179  |
| Hydro  | 1                             | 1    | 1    | 1    | 1    | 1    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Fuel oil   | 66                            | 149  | 81   | 108  | 105  | 48   |
| Natural gas  | 1918                          | 3317 | 3587 | 3165 | 3668 | 3587 |
| Municipal waste  | *458                          | *409 | *380 | *389 | *411 | *396 |
| <b>Total input</b>                                     | 2442                          | 3875 | 4048 | 3662 | 4184 | 4031 |
| <b>Total production</b>                                | 1001                          | 1584 | 1664 | 1551 | 1548 | 1666 |
| <b>Estimated efficiency (% of production to input)</b> | 41                            | 41   | 41   | 42   | 37   | 41   |

## Statistics on electricity

### Israel

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 63003                         | 61322  | 60813  | 64226  | 66976  | 67675  |
| Combustible fuels                                      | 62595                         | 60794  | 59954  | 63080  | 65432  | 65742  |
| Hydro  | 33                            | 28     | 13     | 24     | 0      | 0      |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 375                           | 500    | 846    | 1122   | 1544   | 1933   |
| Main activity  | 61488                         | 59026  | 57478  | 60483  | 62907  | 63409  |
| Combustible fuels                                      | 61453                         | 58997  | 57464  | 60461  | 62907  | 63409  |
| Hydro  | 29                            | 23     | 8      | 15     | 0      | 0      |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 6                             | 6      | 6      | 7      | 0      | 0      |
| Own use in electricity, CHP and heat plants            | 5252                          | 2140   | 1989   | 1928   | 2441   | 2200   |
| Net production   | 57751                         | 59182  | 58824  | 62298  | 64535  | 65475  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | 4434                          | 4675   | 4844   | 5197   | 5553   | 5649   |
| Losses   | 1736                          | 2567   | 1738   | 2472   | 2535   | 2387   |
| Consumption  | 52223                         | 52118  | 52201  | 54791  | 56443  | 57148  |
| Energy industries own use                              | 419                           | 478    | 883    | 769    | 755    | 855    |
| By industry and construction                           | 12448                         | 13181  | 15211  | 12746  | 13444  | 12942  |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 39356                         | 38459  | 36107  | 41276  | 42244  | 43351  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 14413                         | 14985  | 16220  | 17221  | 17585  | 17827  |
| Combustible fuels                                      | 14163                         | 14491  | 15526  | 16466  | 16689  | 16813  |
| Hydro  | 7                             | 7      | 7      | 7      | 7      | 9      |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 243                           | 487    | 687    | 748    | 889    | 1005   |
| Main activity  | 13746                         | 14091  | 15075  | 15986  | 16198  | 16236  |
| Combustible fuels                                      | 13735                         | 14080  | 15064  | 15975  | 16166  | 16205  |
| Hydro  | 5                             | 5      | 5      | 5      | 5      | 4      |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 6                             | 6      | 6      | 6      | 27     | 27     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 351341                        | 289694 | 273447 | 266209 | 227233 | 206952 |
| Brown Coal   | 3199                          | 3573   | ..     | ..     | ..     | ..     |
| Biogas   | 777                           | 353    | 593    | 559    | 795    | 960    |
| Oil shale  | 1240                          | 1671   | 1572   | 1667   | 1679   | 1783   |
| Gas-diesel oil   | 83893                         | 12900  | 731    | 3913   | 2193   | 6579   |
| Fuel oil   | 46339                         | 7070   | 525    | 848    | 848    | 1293   |
| Other oil products                                     | 24160                         | 1930   | 1568   | 0      | ..     | ..     |
| Natural gas  | 76692                         | 223101 | 245137 | 262263 | 317669 | 342459 |
| Fuelwood   | 0                             | ..     | ..     | ..     | ..     | ..     |
| <b>Total input</b>                                     | 587641                        | 540291 | 523573 | 535460 | 550418 | 560026 |
| <b>Total production</b>                                | 225342                        | 218858 | 215834 | 227088 | 235555 | 236671 |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 41     | 41     | 42     | 43     | 42     |

## Statistics on electricity

### Italy

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 299277                        | 289807  | 279827  | 282994  | 289768  | 295833  |
| Combustible fuels                                      | 216811                        | 192237  | 175510  | 191458  | 198693  | 208826  |
| Hydro  | 43854                         | 54672   | 60256   | 46970   | 44257   | 38025   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 38612                         | 42898   | 44061   | 44566   | 46818   | 48982   |
| Main activity  | 283220                        | 273734  | 264085  | 263912  | 271301  | 276051  |
| Combustible fuels                                      | 201786                        | 177113  | 160761  | 173249  | 181006  | 189676  |
| Hydro  | 43281                         | 54045   | 59518   | 46361   | 43695   | 37536   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 38153                         | 42576   | 43806   | 44302   | 46600   | 48839   |
| Own use in electricity, CHP and heat plants            | 11474                         | 10973   | 10679   | 10566   | 10065   | 10567   |
| Net production   | 287803                        | 278834  | 269148  | 272428  | 279703  | 285266  |
| Imports  | 45407                         | 44338   | 46747   | 50849   | 43181   | 42895   |
| Exports  | 2304                          | 2200    | 3031    | 4471    | 6154    | 5134    |
| Losses   | 21000                         | 21187   | 19451   | 19717   | 18753   | 18668   |
| Consumption  | 309911                        | 299784  | 293414  | 299089  | 297977  | 304359  |
| Energy industries own use                              | 13169                         | 12386   | 11916   | 11606   | 11950   | 12393   |
| By industry and construction                           | 120323                        | 114981  | 112918  | 112665  | 113257  | 115610  |
| By transport   | 10759                         | 10775   | 10463   | 10856   | 11162   | 11383   |
| By households and other cons.                          | 165660                        | 161642  | 158117  | 163962  | 161608  | 164973  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 124599                        | 124515  | 121747  | 116964  | 114162  | 114240  |
| Combustible fuels                                      | 76793                         | 74733   | 71272   | 65617   | 62096   | 61289   |
| Hydro  | 21880                         | 22009   | 22098   | 22220   | 22298   | 22426   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 25926                         | 27773   | 28377   | 29127   | 29768   | 30525   |
| Main activity  | 120404                        | 120213  | 117673  | 111706  | 109328  | 109206  |
| Combustible fuels                                      | 72852                         | 70664   | 67419   | 60575   | 57438   | 56426   |
| Hydro  | 21752                         | 21890   | 21979   | 22099   | 22181   | 22307   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 25800                         | 27659   | 28275   | 29032   | 29709   | 30473   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 482749                        | 427786  | 408150  | 414451  | 342425  | 304051  |
| Biogas   | 47476                         | 74133   | 80223   | 76475   | 76651   | 77413   |
| Fuel oil   | 51510                         | 41006   | 32401   | 37532   | 20281   | 20038   |
| Refinery gas   | 36927                         | 32274   | 26978   | 28958   | 31581   | 30839   |
| Other oil products                                     | 139534                        | 105163  | 106811  | 118188  | 125022  | 119474  |
| Natural gas  | 1112248                       | 938888  | 829412  | 947225  | 1057652 | 1162357 |
| Blast furnace gas                                      | 31494                         | 23404   | 25051   | 15672   | 23686   | 16953   |
| Fuelwood   | *59714                        | *78399  | *82397  | *70047  | *73136  | *72332  |
| Municipal waste  | 67560                         | 69302   | 71882   | 70840   | 72908   | 71442   |
| Other liquid biofuels                                  | 18796                         | 22632   | 26386   | 29400   | 28277   | 26907   |
| Others   | 49598                         | 34787   | 29970   | 26071   | 17982   | 18042   |
| <b>Total input</b>                                     | 2097606                       | 1847774 | 1719661 | 1834857 | 1869601 | 1919848 |
| <b>Total production</b>                                | 780520                        | 692053  | 631836  | 689249  | 715295  | 751774  |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 37      | 37      | 38      | 38      | 39      |

## Statistics on electricity

### Jamaica

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 4159                          | 4163  | 4123  | 4206  | 4342  | 4360  |
| Combustible fuels                                      | 3901                          | 3924  | 3869  | 3953  | 4002  | 3873  |
| Hydro  | 151                           | 124   | 135   | 128   | 118   | 154   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 107                           | 115   | 119   | 125   | 222   | 333   |
| Main activity  | 2617                          | 2365  | 2462  | 2528  | 2556  | 2533  |
| Combustible fuels                                      | 2466                          | 2241  | 2327  | 2400  | 2438  | 2379  |
| Hydro  | 151                           | 124   | 135   | 128   | 118   | 154   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 23                            | 22    | 12    | 12    | 13    | 18    |
| Net production   | 4136                          | 4141  | 4111  | 4194  | 4329  | 4342  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 1033                          | 1097  | 1103  | 1137  | 1160  | 1152  |
| Consumption  | 3103                          | 3038  | 3011  | 3073  | 3184  | 3251  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 1378                          | 1365  | 1357  | 1379  | 1410  | 1358  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 1725                          | 1673  | 1654  | 1694  | 1774  | 1893  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 913                           | 939   | 939   | 965   | 1031  | 1041  |
| Combustible fuels                                      | 848                           | 874   | 874   | 871   | 871   | 871   |
| Hydro  | 23                            | 23    | 23    | 29    | 29    | 29    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 42                            | 42    | 42    | 65    | 131   | 141   |
| Main activity  | 612                           | 638   | 638   | 641   | 661   | 661   |
| Combustible fuels                                      | 586                           | 612   | 612   | 609   | 609   | 609   |
| Hydro  | 23                            | 23    | 23    | 29    | 29    | 29    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 3                             | 3     | 3     | 3     | 23    | 23    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 9507                          | 7645  | 7886  | 7835  | 9507  | 1587  |
| Fuel oil   | 26281                         | 26433 | 24433 | 26337 | 26296 | 29007 |
| Natural gas  | ..                            | ..    | ..    | ..    | *355  | *4089 |
| <b>Total input</b>                                     | 35788                         | 34079 | 32319 | 34171 | 36158 | 34683 |
| <b>Total production</b>                                | 14044                         | 14126 | 13928 | 14231 | 14407 | 13943 |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 41    | 43    | 42    | 40    | 40    |

**Statistics on electricity**
**Japan**

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 1098910                       | 1104249 | 1076066 | 1058748 | 1060974 | 1068322 |
| Combustible fuels                                      | 964384                        | 967639  | 937239  | 894376  | 883161  | 860829  |
| Hydro  | 83645                         | 84886   | 86942   | 91270   | 84766   | 90162   |
| Nuclear  | 15939                         | 9303    | 0       | 9437    | 18060   | 32912   |
| Other  | 34942                         | 42421   | 51885   | 63665   | 74987   | 84419   |
| Main activity  | 891705                        | 888559  | 854703  | 824252  | 913763  | 918492  |
| Combustible fuels                                      | 805693                        | 808007  | 781906  | 737465  | 799505  | 780738  |
| Hydro  | 67360                         | 68564   | 70255   | 74801   | 81919   | 87907   |
| Nuclear  | 15939                         | 9303    | 0       | 9437    | 18060   | 32912   |
| Other  | 2713                          | 2685    | 2542    | 2549    | 14279   | 16935   |
| Own use in electricity, CHP and heat plants            | 40737                         | 37379   | 33794   | 31058   | 31060   | 31056   |
| Net production   | 1058173                       | 1066870 | 1042272 | 1027690 | 1029914 | 1037266 |
| Imports  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Exports  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Losses   | 43244                         | 47518   | 43334   | 40587   | 45600   | 40642   |
| Consumption  | 1015735                       | 1012006 | 992537  | 969590  | 972905  | 988800  |
| Energy industries own use                              | 24293                         | 22445   | 18876   | 20098   | 23120   | 24895   |
| By industry and construction                           | 358851                        | 361038  | 355110  | 344897  | 342707  | 346399  |
| By transport   | 17675                         | 17721   | 17604   | 17551   | 17460   | 17460   |
| By households and other cons.                          | 614916                        | 610802  | 600947  | 587044  | 589618  | 600046  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 296528                        | 305297  | 315621  | 320908  | 334608  | 336927  |
| Combustible fuels                                      | 191942                        | 194337  | 196664  | 194388  | 198299  | 197092  |
| Hydro  | 48934                         | 48932   | 49597   | 50034   | 50117   | 50014   |
| Nuclear  | 46148                         | 44264   | 44264   | 42048   | 41482   | 39132   |
| Other  | 9504                          | 17764   | 25096   | 34438   | 44710   | 50689   |
| Main activity  | 231220                        | 231467  | 234028  | 231484  | 274454  | 272831  |
| Combustible fuels                                      | 139795                        | 141901  | 143777  | 143040  | 174392  | 173261  |
| Hydro  | 44652                         | 44676   | 45403   | 45786   | 49521   | 49562   |
| Nuclear  | 46148                         | 44264   | 44264   | 42048   | 41482   | 39132   |
| Other  | 625                           | 626     | 584     | 610     | 9059    | 10876   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 2679316                       | 2942216 | 2925909 | 2901200 | 2875960 | 2955988 |
| Crude oil  | 487991                        | 416528  | 243534  | 205134  | 100395  | 57059   |
| Fuel oil   | 795961                        | 614969  | 468074  | 364650  | 305586  | 230967  |
| Refinery gas   | 99000                         | 116622  | 113652  | 119840  | 133403  | 163449  |
| Natural gas  | 3503984                       | 3530817 | 3585183 | 3342273 | 3420877 | 3259599 |
| Coke-oven gas  | 62333                         | 68596   | 64203   | 65612   | 64667   | 62447   |
| Blast furnace gas                                      | 203391                        | 210199  | 233959  | 224408  | 217389  | 209238  |
| Fuelwood   | *8817                         | *9779   | *17750  | *30356  | *46170  | *63997  |
| Vegetal waste  | *62568                        | *66970  | *60216  | *60615  | *62214  | *66646  |
| Industrial waste                                       | 74846                         | 74538   | 73127   | 73631   | 135435  | 156392  |
| Others   | 326098                        | 295482  | 274539  | 265228  | 224992  | 221178  |
| <b>Total input</b>                                     | 8304305                       | 8346716 | 8060146 | 7652947 | 7587088 | 7446960 |
| <b>Total production</b>                                | 3471782                       | 3483500 | 3374060 | 3219754 | 3179380 | 3098984 |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 42      | 42      | 42      | 42      | 42      |

## Statistics on electricity

### Jersey

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016  | 2017 |
|--|-------------------------------|------|------|------|-------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |       |      |
| Total main activity and autoproducer                   | 114                           | 157  | 108  | 48   | 70    | 49   |
| Combustible fuels                                      | 114                           | 157  | 108  | 48   | 70    | 49   |
| Hydro  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Main activity  | 71                            | 123  | 71   | 7    | 24    | 4    |
| Combustible fuels                                      | 71                            | 123  | 71   | 7    | 24    | 4    |
| Hydro  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0     | 0    |
| Net production   | 114                           | 157  | 108  | 48   | 70    | 49   |
| Imports  | 601                           | 568  | 566  | 625  | 614   | 626  |
| Exports  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Losses   | 68                            | 71   | 60   | 52   | 47    | 53   |
| Consumption  | 646                           | 656  | 615  | 622  | 637   | 620  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..    | ..   |
| By industry and construction                           | 255                           | 256  | 253  | 242  | *249  | *239 |
| By transport   | ..                            | ..   | ..   | ..   | ..    | ..   |
| By households and other cons.                          | 391                           | 400  | 362  | 380  | 387   | 381  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |       |      |
| Total main activity and autoproducer                   | *219                          | *240 | *240 | 78   | 78    | 78   |
| Combustible fuels                                      | *219                          | *240 | *240 | 78   | 78    | 78   |
| Hydro  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Main activity  | *212                          | *212 | *212 | 50   | 50    | 50   |
| Combustible fuels                                      | *212                          | *212 | *212 | 50   | 50    | 50   |
| Hydro  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..    | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..    | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |       |      |
| Gas-diesel oil   | 886                           | 1428 | 744  | 103  | 259   | 58   |
| Municipal waste  | *780                          | *616 | *658 | *732 | *813  | *799 |
| <b>Total input</b>                                     | 1666                          | 2044 | 1402 | *835 | *1072 | *857 |
| <b>Total production</b>                                | 412                           | 564  | 388  | 173  | 250   | 176  |
| <b>Estimated efficiency (% of production to input)</b> | 25                            | 28   | 28   | 21   | 23    | 20   |

**Statistics on electricity**
**Jordan**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 16596                         | 17263  | 18270  | 19012  | *19730 | *20760 |
| Combustible fuels                                      | 16532                         | 17205  | 18210  | 18834  | *18807 | *19682 |
| Hydro  | 61                            | 55     | 58     | 53     | 41     | 38     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 3                             | 3      | 2      | 125    | 882    | 1040   |
| Main activity  | 16355                         | 16977  | 17887  | 18540  | *19594 | *20539 |
| Combustible fuels                                      | 16291                         | 16919  | 17827  | 18363  | *18671 | *19461 |
| Hydro  | 61                            | 55     | 58     | 53     | 41     | 38     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 3                             | 3      | 2      | 125    | 882    | 1040   |
| Own use in electricity, CHP and heat plants            | 619                           | 616    | 632    | 651    | 777    | 694    |
| Net production   | 15977                         | 16647  | 17638  | 18361  | *18953 | *20066 |
| Imports  | 784                           | 381    | 435    | 1768   | 977    | 150    |
| Exports  | 104                           | 59     | 64     | 145    | 133    | 167    |
| Losses   | 2383                          | 2406   | 2569   | 2696   | 2690   | 2614   |
| Consumption  | 14352                         | 14571  | 15419  | 16633  | 16909  | 17675  |
| Energy industries own use                              | 107                           | 99     | 98     | 105    | 105    | 101    |
| By industry and construction                           | 3431                          | 3425   | 3780   | 3823   | 4074   | 3785   |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 10814                         | 11047  | 11541  | 12705  | 12730  | 13788  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 3511                          | 3385   | 4199   | 4455   | 4465   | 4540   |
| Combustible fuels                                      | 3498                          | 3372   | 4186   | 4320   | 3969   | 3934   |
| Hydro  | 12                            | 12     | 12     | 12     | 12     | 12     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1                             | 1      | 1      | 123    | 484    | 594    |
| Main activity  | 3312                          | 3186   | 4000   | 4256   | 4266   | 4341   |
| Combustible fuels                                      | 3299                          | 3173   | 3987   | 4121   | 3770   | 3735   |
| Hydro  | 12                            | 12     | 12     | 12     | 12     | 12     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1                             | 1      | 1      | 123    | 484    | 594    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Biogas   | 72                            | 72     | 72     | 90     | 100    | 100    |
| Gas-diesel oil   | 64999                         | 58961  | 70258  | 24079  | 569    | 398    |
| Fuel oil   | 54649                         | 53887  | 69561  | 63227  | 15473  | 12874  |
| Natural gas  | 30652                         | 37961  | *12590 | 81400  | 141902 | 163276 |
| <b>Total input</b>                                     | 150372                        | 150881 | 152480 | 168797 | 158044 | 176648 |
| <b>Total production</b>                                | 59515                         | 61938  | 65556  | 67803  | *67705 | *70854 |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 41     | 43     | 40     | 43     | 40     |



**Statistics on electricity**
**Kazakhstan**

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 92817                         | 103086  | 105068  | 106468  | 106626  | 103128  |
| Combustible fuels                                      | 85177                         | 95349   | 96791   | 97020   | 94644   | 91485   |
| Hydro  | 7637                          | 7731    | 8263    | 9269    | 11620   | 11210   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 3                             | 6       | 14      | 179     | 362     | 433     |
| Main activity  | 92817                         | 103085  | 105067  | 106467  | 106625  | 103127  |
| Combustible fuels                                      | 85177                         | 95349   | 96791   | 97020   | 94644   | 91485   |
| Hydro  | 7637                          | 7731    | 8263    | 9269    | 11620   | 11210   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 3                             | 5       | 13      | 178     | 361     | 432     |
| Own use in electricity, CHP and heat plants            | 11867                         | 17337   | 19778   | 25201   | 23968   | 20846   |
| Net production   | 80950                         | 85749   | 85290   | 81267   | 82658   | 82282   |
| Imports  | 4252                          | 2147    | 1749    | 1618    | 1319    | 1327    |
| Exports  | 2933                          | 2996    | 2917    | 1614    | 2572    | 5692    |
| Losses   | 7142                          | 11174   | 7082    | 5181    | 5349    | 6411    |
| Consumption  | 75362                         | 73338   | 76676   | 76407   | 76064   | 79533   |
| Energy industries own use                              | 7114                          | 7611    | 7776    | 8209    | 10166   | 9957    |
| By industry and construction                           | 49162                         | 44280   | 45529   | 45110   | 44244   | 47406   |
| By transport   | 3352                          | 2960    | 2511    | 3573    | 3245    | 4019    |
| By households and other cons.                          | 15734                         | 18487   | 20860   | 19515   | 18409   | 18151   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | *21219                        | *22222  | *25011  | *25149  | *25223  | *25256  |
| Combustible fuels                                      | *19000                        | *20000  | *22500  | *22500  | *22500  | *22500  |
| Hydro  | *2217                         | *2217   | *2500   | *2500   | *2500   | *2500   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | *2                            | *5      | *11     | *149    | *223    | *256    |
| Main activity  | *21219                        | *22221  | *25010  | *25148  | *25222  | *25255  |
| Combustible fuels                                      | *19000                        | *20000  | *22500  | *22500  | *22500  | *22500  |
| Hydro  | *2217                         | *2217   | *2500   | *2500   | *2500   | *2500   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | *2                            | *4      | *10     | *148    | *222    | *255    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 817322                        | 874273  | 877488  | 782334  | 806453  | 902591  |
| Brown Coal   | 8924                          | 615     | 630     | 542     | 4909    | 6125    |
| Fuel oil   | 7838                          | 7151    | 12201   | 16241   | 23028   | 8888    |
| Natural gas  | 171672                        | 194836  | 233178  | 225843  | 257658  | 261839  |
| <b>Total input</b>                                     | 1005756                       | 1076875 | 1123497 | 1024960 | 1092048 | 1179443 |
| <b>Total production</b>                                | 306637                        | 343256  | 348448  | 349272  | 340718  | 329346  |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 32      | 31      | 34      | 31      | 28      |

## Statistics on electricity

### Kenya

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 7852                          | 8448  | 9139  | 9515  | 9971  | 10129 |
| Combustible fuels                                      | 2305                          | 2218  | 2635  | 1462  | 1471  | 2534  |
| Hydro  | 4016                          | 4435  | 3569  | *3472 | 3960  | 2777  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1530                          | 1796  | 2934  | 4580  | 4541  | 4818  |
| Main activity  | 7852                          | 8448  | 9139  | 9515  | 9971  | 10129 |
| Combustible fuels                                      | 2305                          | 2218  | 2635  | 1462  | 1471  | 2534  |
| Hydro  | 4016                          | 4435  | 3569  | *3472 | 3960  | 2777  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1530                          | 1796  | 2934  | 4580  | 4541  | 4818  |
| Own use in electricity, CHP and heat plants            | 39                            | 49    | 43    | 48    | 50    | 50    |
| Net production   | 7812                          | 8399  | 9095  | 9467  | 9921  | 10079 |
| Imports  | 39                            | 49    | 158   | 59    | 86    | 230   |
| Exports  | 33                            | 36    | 27    | 46    | 39    | 12    |
| Losses   | 1404                          | 1476  | 1662  | 1642  | 1965  | 1965  |
| Consumption  | 6760                          | 7296  | 7786  | 7732  | 8346  | 8741  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 3686                          | 4438  | 3988  | 4426  | 5257  | 5398  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 3074                          | 2858  | 3798  | 3306  | 3089  | 3343  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 1611                          | 1723  | 2094  | 2263  | 2254  | 2270  |
| Combustible fuels                                      | 637                           | 715   | 734   | 819   | 786   | 766   |
| Hydro  | 770                           | 767   | 797   | 800   | 798   | 826   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 204                           | 242   | 563   | 645   | 670   | 678   |
| Main activity  | 1611                          | 1723  | 2094  | 2263  | 2254  | 2270  |
| Combustible fuels                                      | 637                           | 715   | 734   | 819   | 786   | 766   |
| Hydro  | 770                           | 767   | 797   | 800   | 798   | 826   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 204                           | 242   | 563   | 645   | 670   | 678   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 12255                         | 12943 | 7310  | 3612  | 2263  | 1196  |
| Fuel oil   | 12403                         | 6464  | 6399  | 7874  | 5484  | 11009 |
| Vegetal waste  | *16800                        | 16800 | 16800 | 16800 | 15460 | 16800 |
| <b>Total input</b>                                     | 41458                         | 36207 | 30509 | 28286 | 23207 | 29005 |
| <b>Total production</b>                                | 8299                          | 7984  | 9487  | 5264  | 5295  | 9123  |
| <b>Estimated efficiency (% of production to input)</b> | 20                            | 22    | 31    | 19    | 23    | 31    |

## Statistics on electricity

### Kiribati

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 25                            | 25   | *26  | *28  | *31  | *31  |
| Combustible fuels                                      | 25                            | 25   | *26  | *26  | *26  | *26  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | *2   | *5   | *5   |
| Main activity  | 23                            | 23   | *24  | *26  | *29  | *29  |
| Combustible fuels                                      | 23                            | 23   | *24  | *24  | *24  | *24  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | *2   | *5   | *5   |
| Own use in electricity, CHP and heat plants            | 1                             | 1    | *1   | *1   | *2   | *2   |
| Net production   | 24                            | 24   | *25  | *27  | *30  | *30  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 5                             | 5    | 4    | *4   | *5   | *5   |
| Consumption  | 19                            | 19   | *20  | *20  | *25  | *25  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | *2                            | *2   | *2   | *2   | *3   | *3   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 17                            | 17   | *18  | *18  | *22  | *22  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 8                             | 8    | *8   | *9   | *11  | *11  |
| Combustible fuels                                      | 6                             | 6    | *6   | *8   | *8   | *8   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *1                            | *1   | *1   | 2    | 3    | *3   |
| Main activity  | 7                             | 7    | *7   | *8   | *10  | *10  |
| Combustible fuels                                      | 5                             | 5    | *5   | *7   | *7   | *7   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *1                            | *1   | *1   | 2    | 3    | *3   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 284                           | 301  | 292  | *292 | *301 | *301 |
| <b>Total input</b>                                     | 284                           | 301  | 292  | *292 | *301 | *301 |
| <b>Total production</b>                                | 89                            | 91   | *92  | *92  | *94  | *94  |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 30   | 31   | 31   | 31   | 31   |

Statistics on electricity

Korea, Dem.Ppl's.Rep.

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 19236                         | 18332 | 17909 | 13737 | 16926 | 15163 |
| Combustible fuels                                      | 5736                          | 4432  | 4909  | 3737  | 4126  | 3263  |
| Hydro  | 13500                         | 13900 | 13000 | 10000 | 12800 | 11900 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 19236                         | 18332 | 17909 | 13737 | 16926 | 15163 |
| Combustible fuels                                      | 5736                          | 4432  | 4909  | 3737  | 4126  | 3263  |
| Hydro  | 13500                         | 13900 | 13000 | 10000 | 12800 | 11900 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 1825                          | 1739  | 1699  | 1303  | 1605  | 1437  |
| Net production   | 17411                         | 16593 | 16210 | 12434 | 15321 | 13726 |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 3042                          | 2899  | 2832  | 2172  | 2676  | 2397  |
| Consumption  | 14369                         | 13694 | 13378 | 10262 | 12645 | 11328 |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 7185                          | 6847  | 6689  | 5131  | 6323  | 5664  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 7184                          | 6847  | 6689  | 5131  | 6322  | 5664  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 7220                          | 7243  | 7253  | 7427  | 7661  | 7721  |
| Combustible fuels                                      | 2960                          | 2960  | 2960  | 2960  | 2960  | 2960  |
| Hydro  | 4260                          | 4283  | 4293  | 4467  | 4701  | 4761  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 7220                          | 7243  | 7253  | 7427  | 7661  | 7721  |
| Combustible fuels                                      | 2960                          | 2960  | 2960  | 2960  | 2960  | 2960  |
| Hydro  | 4260                          | 4283  | 4293  | 4467  | 4701  | 4761  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 44052                         | 28716 | 33948 | 22517 | 25612 | 20195 |
| Brown Coal   | 7403                          | 5504  | 6155  | 4168  | 4537  | 3165  |
| Fuel oil   | 9979                          | 10342 | 10625 | 14706 | 17049 | 14140 |
| <b>Total input</b>                                     | 61434                         | 44563 | 50728 | 41390 | 47198 | 37500 |
| <b>Total production</b>                                | 20650                         | 15955 | 17672 | 13453 | 14854 | 11747 |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 36    | 35    | 33    | 31    | 31    |

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

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 534618                        | 541996  | 550934  | 552697  | 562603  | 566881  |
| Combustible fuels                                      | 374116                        | 390858  | 381511  | 375110  | 385386  | 400148  |
| Hydro  | 7652                          | 8394    | 7820    | 5796    | 6634    | 7006    |
| Nuclear  | 150327                        | 138784  | 156407  | 164762  | 161995  | 148427  |
| Other  | 2523                          | 3960    | 5196    | 7029    | 8588    | 11300   |
| Main activity  | 503660                        | 513833  | 517962  | 522835  | 527590  | 533229  |
| Combustible fuels                                      | 343479                        | 363146  | 349044  | 345891  | 351162  | 367461  |
| Hydro  | 7652                          | 8394    | 7820    | 5796    | 6634    | 7006    |
| Nuclear  | 150327                        | 138784  | 156407  | 164762  | 161995  | 148427  |
| Other  | 2202                          | 3509    | 4691    | 6386    | 7799    | 10335   |
| Own use in electricity, CHP and heat plants            | 20272                         | 20526   | 20927   | 23733   | 22519   | 21085   |
| Net production   | 514346                        | 521470  | 530007  | 528964  | 540084  | 545796  |
| Imports  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Exports  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Losses   | 17292                         | 18311   | 18270   | 17979   | 18475   | 18790   |
| Consumption  | 497357                        | 503570  | 505690  | 511469  | 534858  | 543862  |
| Energy industries own use                              | 15952                         | 16445   | 18856   | 16158   | 17587   | 20624   |
| By industry and construction                           | 250643                        | 255697  | 259606  | 262369  | 265383  | 274429  |
| By transport   | 2250                          | 2168    | 2003    | 2217    | 2689    | 2865    |
| By households and other cons.                          | 228512                        | 229260  | 225225  | 230725  | 249199  | 245944  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 87826                         | 91478   | 99817   | 103191  | 111203  | 122950  |
| Combustible fuels                                      | 59086                         | 61795   | 69122   | 70108   | 75559   | 86377   |
| Hydro  | 6447                          | 6452    | 6467    | 6471    | 6485    | 6489    |
| Nuclear  | 20716                         | 20716   | 20716   | 21716   | 23116   | 22529   |
| Other  | 1577                          | 2515    | 3512    | 4896    | 6043    | 7555    |
| Main activity  | 81013                         | 85145   | 92115   | 95695   | 103742  | 113913  |
| Combustible fuels                                      | 52634                         | 55960   | 62121   | 63704   | 68903   | 78130   |
| Hydro  | 6447                          | 6452    | 6467    | 6471    | 6485    | 6489    |
| Nuclear  | 20716                         | 20716   | 20716   | 21716   | 23116   | 22529   |
| Other  | 1216                          | 2017    | 2811    | 3804    | 5238    | 6765    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 2138543                       | 2135854 | 2049054 | 2106320 | 2107076 | 2117889 |
| Brown Coal   | 45119                         | 38499   | 103882  | 145713  | 140268  | 208597  |
| Fuel oil   | 132754                        | 139663  | 66741   | 76073   | 112070  | 44642   |
| Naphtha  | 81613                         | 46903   | 47882   | 63680   | 55136   | 45657   |
| Petroleum coke   | 4128                          | 8840    | 11050   | 15925   | 10628   | 20573   |
| Natural gas  | 1027978                       | 1054747 | 933846  | 889749  | 952847  | 993522  |
| Coke-oven gas  | 22352                         | 23544   | 38166   | 35247   | 35474   | 39417   |
| Blast furnace gas                                      | 119240                        | 102556  | 127625  | 124623  | 120427  | 121844  |
| Fuelwood   | *6428                         | *6776   | *4613   | *10176  | *38807  | *41348  |
| Other recovered gases                                  | 15976                         | 14983   | 20893   | 22509   | 23676   | 23219   |
| Others   | 32433                         | 28989   | 42111   | 38246   | 36358   | 45759   |
| <b>Total input</b>                                     | 3626564                       | 3601355 | 3445863 | 3528261 | 3632766 | 3702467 |
| <b>Total production</b>                                | 1346818                       | 1407089 | 1373440 | 1350396 | 1387390 | 1440533 |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 39      | 40      | 38      | 38      | 39      |

## Statistics on electricity

### Kosovo

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 5943                          | 6525  | 5436  | 6119  | 5981  | 5919  |
| Combustible fuels                                      | 5847                          | 6382  | 5285  | 5979  | 5736  | 5739  |
| Hydro  | 96                            | 143   | 151   | 140   | 245   | 179   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | 1     |
| Main activity  | 5943                          | 6525  | 5436  | 6119  | 5981  | 5919  |
| Combustible fuels                                      | 5847                          | 6382  | 5285  | 5979  | 5736  | 5739  |
| Hydro  | 96                            | 143   | 151   | 140   | 245   | 179   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | 1     |
| Own use in electricity, CHP and heat plants            | 693                           | 664   | 434   | 618   | 430   | 618   |
| Net production   | 5250                          | 5861  | 5002  | 5501  | 5551  | 5301  |
| Imports  | 2773                          | 2551  | 966   | 684   | 557   | 1242  |
| Exports  | 2619                          | 2893  | 475   | 553   | 1064  | 880   |
| Losses   | 929                           | 879   | 818   | 999   | 1174  | 1317  |
| Consumption  | 4474                          | 4645  | 4674  | 4622  | 3871  | 4337  |
| Energy industries own use                              | 2                             | 0     | 0     | 0     | 0     | ..    |
| By industry and construction                           | 1255                          | 1255  | 1311  | 1368  | 1048  | 1062  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 3217                          | 3390  | 3363  | 3254  | 2823  | 3275  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *1279                         | *1346 | *1122 | *1264 | 1214  | *1244 |
| Combustible fuels                                      | *1236                         | *1303 | *1079 | *1221 | 1171  | *1200 |
| Hydro  | *43                           | *43   | *43   | *43   | 43    | *43   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | *1    |
| Main activity  | *1279                         | *1346 | *1122 | *1264 | 1214  | *1244 |
| Combustible fuels                                      | *1236                         | *1303 | *1079 | *1221 | 1171  | *1200 |
| Hydro  | *43                           | *43   | *43   | *43   | 43    | *43   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | *1    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Brown Coal   | 61222                         | 63142 | 54598 | 63532 | 66473 | 55792 |
| Gas-diesel oil   | 172                           | 86    | 86    | 86    | 86    | 86    |
| Fuel oil   | 81                            | 121   | 121   | 121   | 121   | 81    |
| <b>Total input</b>                                     | 61475                         | 63349 | 54806 | 63739 | 66680 | 55959 |
| <b>Total production</b>                                | 21049                         | 22975 | 19026 | 21524 | 20650 | 20660 |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 36    | 35    | 34    | 31    | 37    |

## Statistics on electricity

### Kuwait

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 61119                         | 60982  | 65140  | 68288  | 70085  | 72790  |
| Combustible fuels                                      | 61119                         | 60982  | 65140  | 68288  | 70085  | 72788  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | 0      | 2      |
| Main activity  | 61119                         | 60982  | 65140  | 68288  | 70085  | 72788  |
| Combustible fuels                                      | 61119                         | 60982  | 65140  | 68288  | 70085  | 72788  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 7380                          | 7398   | 7597   | 7878   | 8168   | 7921   |
| Net production   | 53739                         | 53584  | 57543  | 60410  | 61917  | 64869  |
| Imports  | 106                           | 124    | 136    | 133    | 171    | 553    |
| Exports  | 136                           | 164    | 178    | 175    | 213    | 390    |
| Losses   | 5371                          | 5354   | 5750   | 6037   | 6188   | 6503   |
| Consumption  | 48338                         | 48190  | 51751  | 54331  | 55688  | 58529  |
| Energy industries own use                              | 13252                         | 13211  | 14188  | 14895  | 15267  | 16046  |
| By industry and construction                           | ..                            | ..     | ..     | ..     | ..     | ..     |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 35086                         | 34978  | 37563  | 39436  | 40421  | 42483  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 14723                         | 15639  | 15739  | 18279  | 18892  | 18765  |
| Combustible fuels                                      | 14723                         | 15639  | 15739  | 18279  | 18890  | 18763  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | *2     | *2     |
| Main activity  | 14703                         | 15619  | 15719  | 18259  | 18870  | 18743  |
| Combustible fuels                                      | 14703                         | 15619  | 15719  | 18259  | 18870  | 18743  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Crude oil  | 95725                         | 105158 | 105792 | 112010 | 109684 | 109345 |
| Gas-diesel oil   | 57534                         | 53234  | 63210  | 49020  | 34916  | 36593  |
| Fuel oil   | 180750                        | 277265 | 216019 | 274760 | 276619 | 234886 |
| Natural gas  | 259312                        | 272687 | 251248 | 282681 | 289067 | 285903 |
| <b>Total input</b>                                     | 593321                        | 708344 | 636269 | 718472 | 710286 | 666727 |
| <b>Total production</b>                                | 220028                        | 219535 | 234504 | 245837 | 252306 | 262037 |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 31     | 37     | 34     | 36     | 39     |

**Statistics on electricity**
**Kyrgyzstan**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 15168                         | 14011 | 14572 | 13030 | 13262 | 15514 |
| Combustible fuels                                      | 989                           | 914   | 1274  | 1930  | 1768  | 1311  |
| Hydro  | 14179                         | 13097 | 13298 | 11100 | 11494 | 14203 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 15168                         | 14004 | 14552 | 13006 | 13236 | 15499 |
| Combustible fuels                                      | 989                           | 907   | 1254  | 1906  | 1742  | 1296  |
| Hydro  | 14179                         | 13097 | 13298 | 11100 | 11494 | 14203 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 235                           | 199   | 270   | 244   | 182   | 136   |
| Net production   | 14933                         | 13812 | 14302 | 12786 | 13080 | 15378 |
| Imports  | 177                           | 0     | 286   | 729   | 330   | ..    |
| Exports  | 1840                          | 377   | 72    | 184   | 199   | 1215  |
| Losses   | 3361                          | 2841  | 3458  | 2668  | 2655  | 2844  |
| Consumption  | 9661                          | 10322 | 11058 | 10663 | 10428 | 11190 |
| Energy industries own use                              | 70                            | 55    | 74    | 76    | 268   | 182   |
| By industry and construction                           | 1985                          | 1464  | 1175  | 2356  | 1709  | 1763  |
| By transport   | ..                            | 41    | 232   | 174   | 45    | 46    |
| By households and other cons.                          | 7606                          | 8762  | 9577  | 8057  | 8406  | 9199  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *3859                         | *3861 | *3864 | *3865 | *3786 | 3869  |
| Combustible fuels                                      | *795                          | *797  | *800  | *801  | *722  | *734  |
| Hydro  | *3064                         | *3064 | *3064 | *3064 | *3064 | 3135  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *3859                         | *3859 | *3859 | *3859 | *3780 | 3863  |
| Combustible fuels                                      | *795                          | *795  | *795  | *795  | *716  | *728  |
| Hydro  | *3064                         | *3064 | *3064 | *3064 | *3064 | 3135  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 16240                         | 9840  | 11838 | 18775 | 9922  | 6120  |
| Brown Coal   | ..                            | 4645  | 7298  | 5334  | 6389  | 6462  |
| Gas-diesel oil   | 0                             | 0     | 0     | 0     | 0     | ..    |
| Fuel oil   | 2222                          | 1252  | 1050  | 646   | 364   | 566   |
| Natural gas  | 3254                          | 382   | 1651  | 2419  | 2710  | 1697  |
| <b>Total input</b>                                     | 21716                         | 16120 | 21837 | 27175 | 19385 | 14845 |
| <b>Total production</b>                                | 3560                          | 3290  | 4586  | 6948  | 6365  | 4720  |
| <b>Estimated efficiency (% of production to input)</b> | 16                            | 20    | 21    | 26    | 33    | 32    |



Statistics on electricity

Lao People's Dem. Rep.

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016   | 2017    |
|--|-------------------------------|-------|-------|-------|--------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |        |         |
| Total main activity and autoproducer                   | 12761                         | 15512 | 15640 | 16730 | 25068  | 31550   |
| Combustible fuels                                      | ..                            | 5     | 6     | 2476  | 7120   | *11683  |
| Hydro  | 12760                         | 15506 | 15633 | 14252 | 17946  | 19858   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..      |
| Other  | 0                             | 0     | 1     | 2     | 2      | 9       |
| Main activity  | 12761                         | 15512 | 15640 | 16730 | 25068  | 31550   |
| Combustible fuels                                      | ..                            | 5     | 6     | 2476  | 7120   | *11683  |
| Hydro  | 12760                         | 15506 | 15633 | 14252 | 17946  | 19858   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..      |
| Other  | 0                             | 0     | 1     | 2     | 2      | 9       |
| Own use in electricity, CHP and heat plants            | 0                             | 0     | 350   | 229   | 2      | *320    |
| Net production   | 12760                         | 15512 | 15290 | 16501 | 25066  | 31230   |
| Imports  | 1329                          | 1272  | 1559  | 2050  | 787    | *512    |
| Exports  | 10363                         | 12494 | 11936 | 11559 | *18693 | *23527  |
| Losses   | 948                           | 907   | 1106  | 2565  | *2500  | *3200   |
| Consumption  | 3075                          | 3381  | 3791  | 4239  | 4660   | 4966    |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..     | ..      |
| By industry and construction                           | 883                           | 1118  | 1564  | 1745  | 1916   | 2087    |
| By transport   | ..                            | ..    | ..    | ..    | ..     | ..      |
| By households and other cons.                          | 2192                          | 2263  | 2228  | 2494  | 2744   | 2880    |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |        |         |
| Total main activity and autoproducer                   | 2973                          | 3020  | 3098  | 5813  | 6457   | 6930    |
| Combustible fuels                                      | ..                            | 40    | 40    | 1918  | 1918   | 1918    |
| Hydro  | 2973                          | 2980  | 3058  | 3894  | 4538   | 5006    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..      |
| Other  | 0                             | 0     | 1     | 2     | 2      | 7       |
| Main activity  | 2973                          | 3020  | 3098  | 5813  | 6457   | 6930    |
| Combustible fuels                                      | ..                            | 40    | 40    | 1918  | 1918   | 1918    |
| Hydro  | 2973                          | 2980  | 3058  | 3894  | 4538   | 5006    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..      |
| Other  | 0                             | 0     | 1     | 2     | 2      | 7       |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |        |         |
| Brown Coal   | ..                            | ..    | ..    | 41605 | *92617 | *124378 |
| Bagasse  | ..                            | *77   | *77   | *54   | *77    | *425    |
| <b>Total input</b>                                     | ..                            | *77   | *77   | 41659 | *92695 | *124803 |
| <b>Total production</b>                                | ..                            | 19    | 20    | 8914  | 25632  | *42060  |
| <b>Estimated efficiency (% of production to input)</b> | ..                            | 25    | 26    | 21    | 28     | 34      |

## Statistics on electricity

### Latvia

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 6167                          | 6209  | 5139  | 5533  | 6425  | 7531  |
| Combustible fuels                                      | 2346                          | 3177  | 3006  | 3526  | 3767  | 3000  |
| Hydro  | 3707                          | 2912  | 1994  | 1860  | 2530  | 4381  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 114                           | 120   | 139   | 147   | 128   | 150   |
| Main activity  | 5984                          | 5954  | 4884  | 5276  | 6214  | 7337  |
| Combustible fuels                                      | 2170                          | 2926  | 2760  | 3273  | 3560  | 2812  |
| Hydro  | 3700                          | 2909  | 1987  | 1858  | 2528  | 4377  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 114                           | 119   | 137   | 145   | 126   | 148   |
| Own use in electricity, CHP and heat plants            | 448                           | 409   | 407   | 440   | 498   | 506   |
| Net production   | 5719                          | 5800  | 4732  | 5093  | 5927  | 7025  |
| Imports  | 4935                          | 5005  | 5340  | 5246  | 4828  | 4073  |
| Exports  | 3244                          | 3650  | 3023  | 3425  | 3795  | 4137  |
| Losses   | 559                           | 575   | 465   | 451   | 476   | 474   |
| Consumption  | 6848                          | 6576  | 6582  | 6461  | 6482  | 6485  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 1993                          | 1808  | 1667  | 1703  | 1667  | 1763  |
| By transport   | 129                           | 124   | 117   | 106   | 105   | 104   |
| By households and other cons.                          | 4726                          | 4644  | 4798  | 4652  | 4710  | 4618  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 2660                          | 2908  | 2922  | 2931  | 2927  | 2942  |
| Combustible fuels                                      | 1023                          | 1255  | 1265  | 1275  | 1292  | 1299  |
| Hydro  | 1576                          | 1587  | 1588  | 1588  | 1564  | 1564  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 61                            | 66    | 69    | 68    | 71    | 79    |
| Main activity  | 2618                          | 2857  | 2880  | 2889  | 2883  | 2908  |
| Combustible fuels                                      | 984                           | 1205  | 1224  | 1234  | 1251  | 1268  |
| Hydro  | 1573                          | 1586  | 1587  | 1587  | 1563  | 1563  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 61                            | 66    | 69    | 68    | 69    | 77    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 499                           | 446   | 169   | 96    | 143   | 48    |
| Peat   | 0                             | 40    | 0     | 0     | 0     | ..    |
| Biogas   | 1890                          | 2365  | 2780  | 3310  | 3424  | 3568  |
| Gas-diesel oil   | 0                             | 0     | 0     | 0     | 0     | ..    |
| Fuel oil   | 162                           | 121   | 0     | 0     | 0     | 0     |
| Natural gas  | 28994                         | 33458 | 29896 | 32244 | 32978 | 18586 |
| Fuelwood   | 1837                          | 5256  | 7097  | 8359  | 10331 | 11095 |
| Vegetal waste  | 0                             | 0     | 0     | 0     | 0     | 0     |
| Biodiesel  | 37                            | 0     | 0     | 0     | 0     | ..    |
| <b>Total input</b>                                     | 33418                         | 41687 | 39942 | 44009 | 46876 | 33297 |
| <b>Total production</b>                                | 8446                          | 11437 | 10822 | 12694 | 13561 | 10800 |
| <b>Estimated efficiency (% of production to input)</b> | 25                            | 27    | 27    | 29    | 29    | 32    |

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

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 14827                         | 17490  | 19777  | 20720  | 21457  | 23411  |
| Combustible fuels                                      | 13819                         | 16218  | 19578  | 20226  | 21047  | 22955  |
| Hydro  | 1007                          | 1269   | 193    | 479    | 382    | 415    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1                             | 3      | 6      | 15     | 28     | 41     |
| Main activity  | 8826                          | 10487  | 12387  | 12253  | 13060  | 14498  |
| Combustible fuels                                      | 7819                          | 9218   | 12194  | 11774  | 12678  | 14083  |
| Hydro  | 1007                          | 1269   | 193    | 479    | 382    | 415    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 1                             | 3      | 6      | 15     | 28     | 41     |
| Net production   | 14826                         | 17487  | 19771  | 20705  | 21429  | 23370  |
| Imports  | 323                           | 522    | 136    | 268    | 69     | 534    |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 1372                          | 1651   | *1792  | *1888  | *1935  | *2151  |
| Consumption  | 13776                         | 16358  | *18116 | *19085 | *19563 | *21753 |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 3616                          | 4294   | *4747  | *5001  | *5126  | *5700  |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 10160                         | 12064  | *13369 | *14084 | *14437 | *16053 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 3262                          | 3535   | 3537   | 3643   | 3662   | 3698   |
| Combustible fuels                                      | 2988                          | 3259   | 3259   | 3359   | 3359   | 3409   |
| Hydro  | *274                          | *274   | *274   | *274   | 280    | *253   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1                             | 2      | 4      | 10     | 23     | 36     |
| Main activity  | 2312                          | 2583   | 2583   | 2583   | 2589   | 2562   |
| Combustible fuels                                      | 2038                          | 2309   | 2309   | 2309   | 2309   | 2309   |
| Hydro  | *274                          | *274   | *274   | *274   | 280    | *253   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | 103512                        | 109646 | 116949 | 126631 | 126133 | 124593 |
| Fuel oil   | 39930                         | 47811  | 57087  | 57173  | 62844  | 77415  |
| Natural gas  | 0                             | 0      | 0      | 0      | ..     | ..     |
| <b>Total input</b>                                     | 143442                        | 157457 | 174036 | 183804 | 188976 | 202007 |
| <b>Total production</b>                                | 49748                         | 58385  | 70481  | 72814  | 75769  | 82638  |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 37     | 40     | 40     | 40     | 41     |

**Statistics on electricity**
**Lesotho**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 485                           | 515  | 515  | 532  | 508  | 502  |
| Combustible fuels                                      | ..                            | ..   | ..   | ..   | 0    | *1   |
| Hydro  | 485                           | 515  | 515  | 532  | 508  | 501  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 485                           | 515  | 515  | 532  | 508  | 502  |
| Combustible fuels                                      | ..                            | ..   | ..   | ..   | 0    | *1   |
| Hydro  | 485                           | 515  | 515  | 532  | 508  | 501  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 1    |
| Net production   | 485                           | 515  | 515  | 532  | 508  | 501  |
| Imports  | 310                           | 285  | 271  | 261  | 373  | 387  |
| Exports  | 21                            | 2    | 3    | 4    | 3    | 1    |
| Losses   | 98                            | 88   | 98   | 122  | 154  | 119  |
| Consumption  | 676                           | 711  | 675  | *694 | *765 | 674  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 232                           | 236  | 233  | *225 | *267 | 283  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 444                           | 475  | 442  | *469 | *498 | 391  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 80                            | 80   | 80   | 80   | 81   | 75   |
| Combustible fuels                                      | ..                            | ..   | ..   | ..   | *1   | *1   |
| Hydro  | 80                            | 80   | 80   | 80   | 80   | 74   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | 0    | 0    | 0    | 0    | 0    |
| Main activity  | 80                            | 80   | 80   | 80   | 81   | 75   |
| Combustible fuels                                      | ..                            | ..   | ..   | ..   | *1   | *1   |
| Hydro  | 80                            | 80   | 80   | 80   | 80   | 74   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | 0    | 0    | 0    | 0    | 0    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | ..                            | ..   | ..   | ..   | *4   | *6   |
| <b>Total input</b>                                     | ..                            | ..   | ..   | ..   | *4   | *6   |
| <b>Total production</b>                                | ..                            | ..   | ..   | ..   | *1   | *2   |
| <b>Estimated efficiency (% of production to input)</b> | ..                            | ..   | ..   | ..   | 35   | 35   |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | *340                          | *340  | *340  | *350  | *440  | *437  |
| Combustible fuels                                      | *300                          | *300  | *300  | *310  | *400  | *397  |
| Hydro  | *40                           | *40   | *40   | *40   | *40   | *40   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *140                          | *140  | *140  | *145  | *175  | *157  |
| Combustible fuels                                      | *100                          | *100  | *100  | *105  | *135  | *117  |
| Hydro  | *40                           | *40   | *40   | *40   | *40   | *40   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | *60                           | *60   | *60   | *60   | *135  | *121  |
| Net production   | *280                          | *280  | *280  | *290  | *305  | *316  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *24                           | *24   | *24   | *25   | *30   | *30   |
| Consumption  | *256                          | *256  | *256  | *265  | *275  | *285  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | ..                            | ..    | ..    | ..    | ..    | ..    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *256                          | *256  | *256  | *265  | *275  | *285  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *96                           | *102  | *102  | *102  | *107  | *109  |
| Combustible fuels                                      | *91                           | *93   | *93   | *93   | *98   | *100  |
| Hydro  | *5                            | *9    | *9    | *9    | *9    | *9    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *26                           | 32    | *32   | *32   | 37    | *39   |
| Combustible fuels                                      | *21                           | 23    | *23   | *23   | 28    | *30   |
| Hydro  | *5                            | *9    | *9    | *9    | *9    | *9    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *2623                         | *2709 | *2752 | *3225 | *4160 | *3870 |
| Fuel oil   | *606                          | *404  | *404  | 0     | 0     | ..    |
| <b>Total input</b>                                     | *3229                         | *3113 | *3156 | *3225 | *4160 | *3870 |
| <b>Total production</b>                                | *1080                         | *1080 | *1080 | *1116 | *1440 | *1429 |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 35    | 34    | 35    | 35    | 37    |

**Statistics on electricity**
**Libya**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 34282                         | 37921  | 37739  | 37721  | 36430  | 36797  |
| Combustible fuels                                      | 34275                         | 37913  | 37731  | 37713  | 36422  | 36789  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 7                             | 8      | 8      | 8      | 8      | 8      |
| Main activity  | 34282                         | 37921  | 37739  | 37721  | 36430  | 36797  |
| Combustible fuels                                      | 34275                         | 37913  | 37731  | 37713  | 36422  | 36789  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 7                             | 8      | 8      | 8      | 8      | 8      |
| Own use in electricity, CHP and heat plants            | 1101                          | 609    | 640    | 622    | 610    | 717    |
| Net production   | 33181                         | 37312  | 37099  | 37099  | 35820  | 36080  |
| Imports  | 61                            | 64     | 88     | 88     | 376    | 302    |
| Exports  | 14                            | 1      | 0      | 0      | ..     | ..     |
| Losses   | 6521                          | 7215   | 7186   | 7127   | 7324   | 7383   |
| Consumption  | 18045                         | 18995  | 17019  | 15277  | 13980  | 14124  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 1449                          | 1892   | 1560   | 1892   | 1213   | 1225   |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 16596                         | 17103  | 15459  | 13385  | 12767  | 12899  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 8912                          | 9460   | 9460   | 9460   | 10249  | 10243  |
| Combustible fuels                                      | 8907                          | 9455   | 9455   | 9455   | 10244  | 10238  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 5                             | 5      | 5      | 5      | 5      | 5      |
| Main activity  | 8912                          | 9460   | 9460   | 9460   | 10249  | 10243  |
| Combustible fuels                                      | 8907                          | 9455   | 9455   | 9455   | 10244  | 10238  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 5                             | 5      | 5      | 5      | 5      | 5      |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | 86602                         | 134246 | 134246 | 134246 | 52632  | 79206  |
| Fuel oil   | 77083                         | 36602  | 36602  | 36602  | 32845  | 24280  |
| Natural gas  | 211555                        | 236429 | 216420 | 231270 | 260262 | 260631 |
| <b>Total input</b>                                     | 375240                        | 407277 | 387268 | 402118 | 345739 | 364117 |
| <b>Total production</b>                                | 123390                        | 136487 | 135832 | 135767 | 131119 | 132440 |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 34     | 35     | 34     | 38     | 36     |

## Statistics on electricity

### Liechtenstein

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 86                            | 85   | 41   | 70   | 90   | 93   |
| Combustible fuels                                      | 4                             | 3    | 3    | 2    | 2    | 2    |
| Hydro  | 74                            | 69   | 22   | 49   | 68   | 69   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 9                             | 13   | 17   | 19   | 20   | 22   |
| Main activity  | 86                            | 85   | 41   | 70   | 90   | 93   |
| Combustible fuels                                      | 4                             | 3    | 3    | 2    | 2    | 2    |
| Hydro  | 74                            | 69   | 22   | 49   | 68   | 69   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 9                             | 13   | 17   | 19   | 20   | 22   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | 86                            | 85   | 41   | 70   | 90   | 93   |
| Imports  | 318                           | 319  | 355  | 325  | 309  | 314  |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | ..                            | ..   | ..   | ..   | ..   | ..   |
| Consumption  | *404                          | 404  | 396  | 395  | 399  | 407  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *404                          | 404  | 396  | 395  | 399  | 407  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *13                           | *14  | *15  | *16  | *16  | *16  |
| Combustible fuels                                      | *1                            | *1   | 1    | *1   | *1   | *1   |
| Hydro  | *10                           | *10  | *10  | *10  | *10  | *10  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *2                            | *3   | *4   | *5   | *5   | *5   |
| Main activity  | *13                           | *14  | *15  | *16  | *16  | *16  |
| Combustible fuels                                      | *1                            | *1   | 1    | *1   | *1   | *1   |
| Hydro  | *10                           | *10  | *10  | *10  | *10  | *10  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *2                            | *3   | *4   | *5   | *5   | *5   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Biogas   | *12                           | *1   | 0    | 0    | *1   | *1   |
| Natural gas  | *30                           | *28  | *28  | *25  | *26  | *25  |
| Municipal waste  | 0                             | 0    | 0    | 0    | 0    | 0    |
| <b>Total input</b>                                     | *42                           | *29  | *28  | *25  | *27  | *26  |
| <b>Total production</b>                                | 13                            | 12   | 9    | 8    | 9    | 8    |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 42   | 32   | 32   | 32   | 32   |

**Statistics on electricity**
**Lithuania**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 5043                          | 4762  | 4397  | 4933  | 4266  | 4187  |
| Combustible fuels                                      | 3337                          | 2808  | 2354  | 2761  | 1750  | 1324  |
| Hydro  | 937                           | 1069  | 1088  | 1024  | 1044  | 1181  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 769                           | 885   | 955   | 1148  | 1472  | 1682  |
| Main activity  | 4256                          | 4141  | 3661  | 4002  | 3378  | 3361  |
| Combustible fuels                                      | 2777                          | 2424  | 1861  | 2095  | 1132  | 748   |
| Hydro  | 937                           | 1069  | 1088  | 1024  | 1044  | 1181  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 542                           | 648   | 712   | 883   | 1202  | 1432  |
| Own use in electricity, CHP and heat plants            | 354                           | 311   | 253   | 257   | 215   | 191   |
| Net production   | 4689                          | 4451  | 4144  | 4676  | 4051  | 3996  |
| Imports  | 8060                          | 8073  | 8521  | 7938  | 11106 | 11926 |
| Exports  | 1441                          | 1127  | 898   | 730   | 2831  | 3249  |
| Losses   | 883                           | 872   | 815   | 793   | 907   | 914   |
| Consumption  | 10422                         | 10522 | 10949 | 11089 | 11416 | 11755 |
| Energy industries own use                              | 1501                          | 1567  | 1712  | 1747  | 1666  | 1697  |
| By industry and construction                           | 2908                          | 2986  | 3119  | 3313  | 3417  | 3634  |
| By transport   | 75                            | 74    | 63    | 67    | 72    | 74    |
| By households and other cons.                          | 5938                          | 5895  | 6055  | 5962  | 6261  | 6350  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 4237                          | 4323  | 4037  | 3587  | 3665  | 3326  |
| Combustible fuels                                      | 3054                          | 3075  | 2778  | 2180  | 2184  | 1832  |
| Hydro  | 876                           | 876   | 877   | 877   | 877   | 877   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 307                           | 372   | 382   | 530   | 604   | 617   |
| Main activity  | 3965                          | 4053  | 3764  | 3313  | 3387  | 3046  |
| Combustible fuels                                      | 2807                          | 2830  | 2530  | 1931  | 1931  | 1577  |
| Hydro  | 876                           | 876   | 877   | 877   | 877   | 877   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 282                           | 347   | 357   | 505   | 579   | 592   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 0                             | 0     | 0     | 0     | 0     | 0     |
| Peat   | 0                             | 0     | 35    | 0     | 0     | 0     |
| Biogas   | 353                           | 473   | 603   | 669   | 996   | 1004  |
| Gas-diesel oil   | 0                             | 0     | 0     | 0     | 0     | 0     |
| Fuel oil   | 6141                          | 2666  | 1414  | 2060  | 1091  | 646   |
| Refinery gas   | 198                           | 149   | 99    | 198   | 396   | 297   |
| Natural gas  | 37286                         | 30737 | 24187 | 21472 | 14542 | 11180 |
| Fuelwood   | *3786                         | 6075  | 6060  | 6365  | 5911  | 7192  |
| Municipal waste  | ..                            | 929   | 975   | 1312  | 2480  | 2443  |
| Industrial waste                                       | ..                            | 155   | 258   | 290   | 486   | 182   |
| Others   | 0                             | 0     | 0     | 0     | 0     | 0     |
| <b>Total input</b>                                     | 47764                         | 41184 | 33631 | 32366 | 25902 | 22944 |
| <b>Total production</b>                                | 12013                         | 10109 | 8474  | 9940  | 6300  | 4766  |
| <b>Estimated efficiency (% of production to input)</b> | 25                            | 25    | 25    | 31    | 24    | 21    |



## Statistics on electricity

### Luxembourg

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016 | 2017  |
|--|-------------------------------|-------|-------|-------|------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |      |       |
| Total main activity and autoproducer                   | 3818                          | 2888  | 2966  | 2766  | 2196 | 2234  |
| Combustible fuels                                      | 2543                          | 1573  | 1622  | 1030  | 467  | 469   |
| Hydro  | 1160                          | 1158  | 1169  | 1530  | 1528 | 1422  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Other  | 115                           | 157   | 175   | 206   | 201  | 343   |
| Main activity  | 3593                          | 2623  | 2695  | 2492  | 1911 | 1957  |
| Combustible fuels                                      | 2361                          | 1388  | 1452  | 866   | 290  | 304   |
| Hydro  | 1155                          | 1152  | 1163  | 1524  | 1520 | 1418  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Other  | 77                            | 83    | 80    | 102   | 101  | 235   |
| Own use in electricity, CHP and heat plants            | 31                            | 28    | 28    | 28    | 28   | 29    |
| Net production   | 3787                          | 2860  | 2938  | 2738  | 2168 | 2205  |
| Imports  | 6732                          | 6852  | 6961  | 7519  | 7718 | 7567  |
| Exports  | 2622                          | 1908  | 2067  | 1919  | 1420 | 1389  |
| Losses   | 154                           | 153   | 153   | 158   | 158  | 156   |
| Consumption  | 7761                          | 7668  | 7677  | 8175  | 8309 | 8227  |
| Energy industries own use                              | 1523                          | 1468  | 1496  | 1951  | 1943 | 1834  |
| By industry and construction                           | 3209                          | 3053  | 3075  | 3145  | 3431 | 3182  |
| By transport   | 129                           | 129   | 124   | 132   | 131  | 135   |
| By households and other cons.                          | 2900                          | 3018  | 2982  | 2947  | 2804 | 3076  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |      |       |
| Total main activity and autoproducer                   | 1789                          | 1813  | 2022  | 2024  | 1709 | 1696  |
| Combustible fuels                                      | 522                           | 526   | 524   | 514   | 137  | 118   |
| Hydro  | 1134                          | 1134  | 1330  | 1330  | 1330 | 1330  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Other  | 133                           | 153   | 168   | 180   | 242  | 248   |
| Main activity  | 1653                          | 1657  | 1851  | 1844  | 1509 | 1523  |
| Combustible fuels                                      | 463                           | 467   | 465   | 452   | 61   | 75    |
| Hydro  | 1132                          | 1132  | 1328  | 1328  | 1328 | 1328  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Other  | 58                            | 58    | 58    | 64    | 120  | 120   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |      |       |
| Biogas   | 305                           | 307   | 384   | 395   | 448  | 447   |
| Gas-diesel oil   | 0                             | 0     | 0     | 0     | 43   | 0     |
| Natural gas  | 20548                         | 13481 | 12598 | 7918  | 3620 | 3216  |
| Fuelwood   | 0                             | *49   | *525  | *598  | *612 | *1271 |
| Municipal waste  | 1203                          | 1225  | 1171  | 1365  | 1400 | 1557  |
| <b>Total input</b>                                     | 22056                         | 15062 | 14678 | 10276 | 6123 | 6491  |
| <b>Total production</b>                                | 9155                          | 5663  | 5839  | 3708  | 1681 | 1688  |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 38    | 40    | 36    | 27   | 26    |

**Statistics on electricity**
**Madagascar**

| Item   | 2012                          | 2013  | 2014  | 2015 | 2016 | 2017  |
|--|-------------------------------|-------|-------|------|------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |      |      |       |
| Total main activity and autoproducer                   | 1520                          | 1593  | 1658  | 1712 | 1867 | 1971  |
| Combustible fuels                                      | 765                           | 784   | 774   | 777  | 980  | 1182  |
| Hydro  | 755                           | 809   | 884   | 935  | 887  | 789   |
| Nuclear  | ..                            | ..    | ..    | ..   | ..   | ..    |
| Other  | 0                             | 0     | 0     | 0    | 0    | 0     |
| Main activity  | 1350                          | 1423  | 1488  | 1542 | 1652 | 1702  |
| Combustible fuels                                      | 595                           | 614   | 604   | 607  | 765  | 913   |
| Hydro  | 755                           | 809   | 884   | 935  | 887  | 789   |
| Nuclear  | ..                            | ..    | ..    | ..   | ..   | ..    |
| Other  | 0                             | 0     | 0     | 0    | 0    | 0     |
| Own use in electricity, CHP and heat plants            | 23                            | *24   | *25   | *25  | *27  | 26    |
| Net production   | 1497                          | 1569  | 1633  | 1687 | 1840 | 1945  |
| Imports  | ..                            | ..    | ..    | ..   | ..   | ..    |
| Exports  | ..                            | ..    | ..    | ..   | ..   | ..    |
| Losses   | *41                           | *41   | *42   | *45  | 116  | 128   |
| Consumption  | 1100                          | 1124  | 1170  | 1195 | 1718 | 1802  |
| Energy industries own use                              | ..                            | ..    | ..    | ..   | ..   | ..    |
| By industry and construction                           | *516                          | *511  | *537  | *544 | 416  | 442   |
| By transport   | ..                            | ..    | ..    | ..   | ..   | ..    |
| By households and other cons.                          | 584                           | 613   | 633   | 651  | 1302 | 1361  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |      |      |       |
| Total main activity and autoproducer                   | *541                          | *541  | *542  | *543 | 526  | 663   |
| Combustible fuels                                      | *379                          | *379  | *379  | *379 | 366  | 496   |
| Hydro  | 162                           | 162   | 163   | 164  | 159  | 166   |
| Nuclear  | ..                            | ..    | ..    | ..   | ..   | ..    |
| Other  | 0                             | 0     | 0     | 0    | *1   | *1    |
| Main activity  | *509                          | *509  | *510  | *511 | 486  | 603   |
| Combustible fuels                                      | *347                          | *347  | *347  | *347 | 326  | 436   |
| Hydro  | 162                           | 162   | 163   | 164  | 159  | 166   |
| Nuclear  | ..                            | ..    | ..    | ..   | ..   | ..    |
| Other  | 0                             | 0     | 0     | 0    | *1   | *1    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |      |      |       |
| Hard Coal  | *710                          | *774  | *697  | *722 | 712  | 963   |
| Gas-diesel oil   | *5061                         | *5160 | 3474  | 4795 | 5865 | 4687  |
| Fuel oil   | *2424                         | *2505 | *1939 | *606 | 2182 | 5090  |
| Bagasse  | ..                            | ..    | ..    | ..   | 336  | 368   |
| <b>Total input</b>                                     | *8194                         | *8439 | 6110  | 6123 | 9095 | 11108 |
| <b>Total production</b>                                | 2753                          | 2824  | 2786  | 2799 | 3528 | 4255  |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 33    | 46    | 46   | 39   | 38    |

## Statistics on electricity

### Malawi

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | *2058                         | *2046 | *2151 | *2136 | *2160 | *1991 |
| Combustible fuels                                      | *181                          | *181  | *181  | *183  | *183  | *183  |
| Hydro  | *1877                         | *1865 | *1970 | *1953 | *1977 | *1809 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *1877                         | *1865 | *1970 | *1953 | *1977 | *1809 |
| Combustible fuels                                      | *5                            | *5    | *5    | *5    | *5    | *5    |
| Hydro  | *1872                         | *1860 | *1965 | *1948 | *1972 | *1804 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | *100                          | *97   | *100  | *101  | *102  | *192  |
| Net production   | *1958                         | *1949 | *2051 | *2035 | *2058 | *1799 |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | 18                            | 32    | 39    | 22    | 24    | 20    |
| Losses   | 433                           | *389  | *294  | *437  | *179  | *450  |
| Consumption  | 1507                          | 1529  | 1718  | 1559  | 1855  | 1329  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 503                           | 661   | 709   | 691   | 971   | 573   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 1004                          | 868   | 1009  | 868   | 884   | 756   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 503                           | 503   | 567   | 567   | 567   | 567   |
| Combustible fuels                                      | *212                          | *212  | *212  | *211  | *211  | *211  |
| Hydro  | 291                           | 291   | 355   | 356   | 356   | 356   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 288                           | 288   | 353   | 352   | 352   | 352   |
| Combustible fuels                                      | *2                            | *2    | *2    | *1    | *1    | *1    |
| Hydro  | 286                           | 286   | 351   | 351   | 351   | 351   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *1929                         | *2002 | *1886 | *1829 | *1904 | *1905 |
| Bagasse  | *903                          | *903  | *1116 | *934  | *903  | *903  |
| <b>Total input</b>                                     | *2832                         | *2906 | *3002 | *2764 | *2808 | *2808 |
| <b>Total production</b>                                | *652                          | *652  | *652  | *658  | *658  | *658  |
| <b>Estimated efficiency (% of production to input)</b> | 23                            | 22    | 22    | 24    | 23    | 23    |

**Statistics on electricity**
**Malaysia**

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 134421                        | 138331  | 147461  | 150123  | 156665  | 164509  |
| Combustible fuels                                      | 125319                        | 127604  | 133846  | 135926  | 136336  | 137599  |
| Hydro  | 9054                          | 10586   | 13388   | 13924   | 20019   | 26580   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 48                            | 141     | 227     | 273     | 310     | 330     |
| Main activity  | 128267                        | 133311  | 142788  | 145137  | 150442  | 159257  |
| Combustible fuels                                      | 119165                        | 122584  | 129173  | 130940  | 130113  | 132352  |
| Hydro  | 9054                          | 10586   | 13388   | 13924   | 20019   | 26575   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 48                            | 141     | 227     | 273     | 310     | 330     |
| Own use in electricity, CHP and heat plants            | 11543                         | 11366   | 15585   | 12535   | 10102   | 12287   |
| Net production   | 122878                        | 126965  | 131876  | 137588  | 146563  | 152222  |
| Imports  | 100                           | 221     | 23      | 13      | 33      | 7       |
| Exports  | 15                            | 23      | 12      | 3       | 694     | 1124    |
| Losses   | *6610                         | *4087   | *3554   | *5399   | 1878    | 4588    |
| Consumption  | 116353                        | 123076  | 128333  | 132199  | 144024  | 146520  |
| Energy industries own use                              | ..                            | ..      | ..      | ..      | ..      | ..      |
| By industry and construction                           | 52414                         | 55886   | 58948   | 60641   | 67664   | 71417   |
| By transport   | 241                           | 241     | 256     | 266     | 340     | 459     |
| By households and other cons.                          | 63698                         | 66949   | 69129   | 71292   | 76020   | 74644   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 29198                         | 31817   | 29974   | 30440   | 33090   | 33334   |
| Combustible fuels                                      | 25826                         | 27725   | 25040   | 23519   | 25732   | 26848   |
| Hydro  | 3317                          | 3931    | 4773    | 5716    | 6137    | 6128    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | *55                           | *161    | 161     | 1205    | 1220    | 358     |
| Main activity  | 26024                         | 28780   | 27623   | 27368   | 29789   | 30892   |
| Combustible fuels                                      | 22652                         | 24688   | 22695   | 21309   | 23226   | 24410   |
| Hydro  | 3317                          | 3931    | 4768    | 5714    | 6135    | 6126    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | *55                           | *161    | 160     | 345     | 427     | 356     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 591912                        | 566336  | 571404  | 654254  | 715990  | 794090  |
| Gas-diesel oil   | 35346                         | 27348   | 27391   | 13975   | 8944    | 15738   |
| Fuel oil   | 22382                         | 15958   | 10948   | 4121    | 6302    | 4040    |
| Natural gas  | 555449                        | 695828  | 650110  | 711320  | 600958  | 540161  |
| Vegetal waste  | *11405                        | *15955  | 9346    | 9878    | 9878    | *8196   |
| <b>Total input</b>                                     | 1216493                       | 1321425 | 1269199 | 1393548 | 1342072 | 1362225 |
| <b>Total production</b>                                | 451148                        | 459374  | 481846  | 489334  | 490810  | 495356  |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 35      | 38      | 35      | 37      | 36      |

## Statistics on electricity

### Maldives

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 418                           | 425   | 543   | 602   | 651   | *656  |
| Combustible fuels                                      | 414                           | 420   | 535   | 594   | 639   | *640  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 4                             | 5     | 8     | 8     | 12    | 16    |
| Main activity  | 301                           | 308   | 335   | 394   | 432   | *436  |
| Combustible fuels                                      | 297                           | 303   | 327   | 386   | 420   | *420  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 4                             | 5     | 8     | 8     | 12    | 16    |
| Own use in electricity, CHP and heat plants            | 14                            | *18   | *24   | *27   | *38   | *39   |
| Net production   | 404                           | 407   | 519   | 575   | 613   | *617  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *16                           | *16   | *16   | *18   | *20   | *20   |
| Consumption  | *388                          | *390  | *502  | *557  | *593  | *597  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | *19                           | *19   | *33   | *33   | *35   | *35   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *369                          | *371  | *469  | *524  | *558  | *562  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 156                           | 157   | 271   | 271   | 274   | *277  |
| Combustible fuels                                      | 154                           | 154   | 266   | 266   | 266   | *266  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 2                             | 3     | 5     | 5     | 8     | 11    |
| Main activity  | 83                            | 84    | 146   | 146   | 149   | *152  |
| Combustible fuels                                      | 81                            | 81    | 141   | 141   | 141   | *141  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 2                             | 3     | 5     | 5     | 8     | 11    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *4902                         | *4911 | *6695 | *7082 | *7525 | *7525 |
| <b>Total input</b>                                     | *4902                         | *4911 | *6695 | *7082 | *7525 | *7525 |
| <b>Total production</b>                                | 1491                          | 1512  | 1926  | 2140  | 2300  | *2304 |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 31    | 29    | 30    | 31    | 31    |

## Statistics on electricity

### Mali

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016   | 2017   |
|--|-------------------------------|-------|-------|-------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |        |        |
| Total main activity and autoproducer                   | 1328                          | 1434  | 1626  | 1772  | 1965   | *1972  |
| Combustible fuels                                      | 545                           | 475   | *629  | *758  | *861   | *865   |
| Hydro  | 783                           | 959   | 997   | 1012  | 1102   | *1105  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | 2     | 2      | *2     |
| Main activity  | 1276                          | 1382  | 1574  | 1712  | 1905   | *1912  |
| Combustible fuels                                      | 493                           | 423   | *577  | *698  | *801   | *805   |
| Hydro  | 783                           | 959   | 997   | 1012  | 1102   | *1105  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | 2     | 2      | *2     |
| Own use in electricity, CHP and heat plants            | 0                             | 0     | 0     | 0     | 0      | 0      |
| Net production   | 1328                          | 1434  | 1626  | 1772  | 1965   | *1972  |
| Imports  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Exports  | *287                          | *460  | *479  | *486  | *529   | *550   |
| Losses   | *48                           | *45   | *57   | *64   | *72    | *80    |
| Consumption  | *993                          | 929   | *1094 | *1211 | *1365  | *1342  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..     | ..     |
| By industry and construction                           | *486                          | *360  | *500  | *611  | *715   | *715   |
| By transport   | ..                            | ..    | ..    | ..    | ..     | ..     |
| By households and other cons.                          | *507                          | 569   | *594  | *600  | *650   | *627   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |        |        |
| Total main activity and autoproducer                   | 689                           | 811   | *890  | *891  | 921    | 962    |
| Combustible fuels                                      | 323                           | 363   | *400  | *400  | *400   | *410   |
| Hydro  | 367                           | 448   | *490  | *490  | 520    | 550    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | *1    | *1     | *2     |
| Main activity  | 592                           | 714   | *780  | *781  | 811    | 852    |
| Combustible fuels                                      | 226                           | 266   | *290  | *290  | *290   | *300   |
| Hydro  | 367                           | 448   | *490  | *490  | 520    | 550    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | *1    | *1     | *2     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |        |        |
| Gas-diesel oil   | *4945                         | *4231 | *6097 | *7409 | *8518  | *8686  |
| Fuel oil   | *808                          | *808  | *606  | *646  | *646   | *646   |
| Bagasse  | *805                          | *805  | *1259 | *1259 | *1009  | *1004  |
| <b>Total input</b>                                     | *6558                         | *5845 | *7962 | *9314 | *10174 | *10336 |
| <b>Total production</b>                                | 1962                          | 1709  | *2263 | *2729 | *3100  | *3114  |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 29    | 28    | 29    | 30     | 30     |

## Statistics on electricity

### Malta

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016 | 2017  |
|--|-------------------------------|-------|-------|-------|------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |      |       |
| Total main activity and autoproducer                   | 2307                          | 2251  | 2245  | 1305  | 858  | 1645  |
| Combustible fuels                                      | 2277                          | 2222  | 2177  | 1210  | 731  | 1490  |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Other  | 30                            | 29    | 68    | 95    | 127  | 155   |
| Main activity  | 2281                          | 2216  | 2170  | 1203  | 723  | 1480  |
| Combustible fuels                                      | 2268                          | 2216  | 2170  | 1203  | 723  | 1480  |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Other  | 13                            | 0     | ..    | ..    | ..   | ..    |
| Own use in electricity, CHP and heat plants            | 135                           | 114   | 108   | 64    | 51   | 50    |
| Net production   | 2172                          | 2137  | 2137  | 1241  | 807  | 1595  |
| Imports  | ..                            | ..    | ..    | 1054  | 1525 | 897   |
| Exports  | ..                            | ..    | ..    | ..    | ..   | 36    |
| Losses   | 193                           | 187   | 132   | 179   | 216  | 124   |
| Consumption  | 1979                          | 1950  | 2005  | 2114  | 2114 | 2332  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..   | ..    |
| By industry and construction                           | 417                           | 404   | 406   | 415   | 411  | 459   |
| By transport   | ..                            | ..    | ..    | ..    | ..   | ..    |
| By households and other cons.                          | 1562                          | 1546  | 1599  | 1699  | 1703 | 1873  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |      |       |
| Total main activity and autoproducer                   | 644                           | 671   | 738   | 757   | 726  | 758   |
| Combustible fuels                                      | 623                           | 623   | 623   | 593   | 543  | 543   |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Other  | 21                            | 48    | *115  | *164  | *183 | *215  |
| Main activity  | 636                           | 648   | 675   | 664   | 616  | 633   |
| Combustible fuels                                      | 620                           | 620   | 620   | 590   | 538  | 538   |
| Hydro  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..   | ..    |
| Other  | 16                            | 28    | 55    | 74    | *78  | *95   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |      |       |
| Biogas   | 57                            | 34    | 36    | 46    | 55   | 73    |
| Gas-diesel oil   | 3139                          | 2494  | 2322  | 860   | 129  | 258   |
| Fuel oil   | 23311                         | 18988 | 18665 | 10262 | 7151 | 1899  |
| Natural gas  | ..                            | ..    | ..    | ..    | ..   | 10776 |
| <b>Total input</b>                                     | 26507                         | 21516 | 21023 | 11168 | 7335 | 13006 |
| <b>Total production</b>                                | 8197                          | 7999  | 7837  | 4356  | 2632 | 5364  |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 37    | 37    | 39    | 36   | 41    |

Statistics on electricity

Marshall Islands

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 78                            | 84   | *86  | *87  | *88  | *89  |
| Combustible fuels                                      | 78                            | 83   | *85  | *86  | *86  | *87  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 1    | 1    | 2    | 2    |
| Main activity  | 78                            | 84   | *86  | *87  | *88  | *89  |
| Combustible fuels                                      | 78                            | 83   | *85  | *86  | *86  | *87  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 1    | 1    | 2    | 2    |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | 78                            | 84   | *86  | *87  | *88  | *89  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 10                            | *11  | *11  | *11  | *11  | *12  |
| Consumption  | 68                            | 73   | *75  | *75  | *76  | *78  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | *4                            | *3   | *3   | *3   | *4   | *4   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 64                            | 70   | *72  | *72  | *73  | *74  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 33                            | 34   | 34   | 37   | *38  | *39  |
| Combustible fuels                                      | 33                            | 33   | 33   | 36   | *36  | *37  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | *1   | 1    | 1    | 2    | 2    |
| Main activity  | 33                            | 34   | 34   | 37   | *38  | *39  |
| Combustible fuels                                      | 33                            | 33   | 33   | 36   | *36  | *37  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | *1   | 1    | 1    | 2    | 2    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 714                           | 787  | *796 | *817 | *817 | *834 |
| <b>Total input</b>                                     | 714                           | 787  | *796 | *817 | *817 | *834 |
| <b>Total production</b>                                | 279                           | 300  | *306 | *308 | *308 | *314 |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 38   | 38   | 38   | 38   | 38   |



## Statistics on electricity

### Mauritania

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 824                           | 812   | 851   | 1002  | 1006  | *867  |
| Combustible fuels                                      | 824                           | 773   | 808   | 868   | 875   | *684  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | 39    | 43    | 134   | 132   | *183  |
| Main activity  | 501                           | 492   | 525   | 662   | 646   | *599  |
| Combustible fuels                                      | 501                           | 453   | 482   | 528   | 515   | *416  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | 39    | 43    | 134   | 132   | *183  |
| Own use in electricity, CHP and heat plants            | 18                            | 24    | 25    | 25    | 27    | *5    |
| Net production   | 806                           | 788   | 826   | 977   | 979   | *862  |
| Imports  | 138                           | 174   | 183   | 183   | 221   | *185  |
| Exports  | ..                            | ..    | ..    | ..    | 57    | ..    |
| Losses   | 141                           | 164   | *172  | *190  | *188  | *180  |
| Consumption  | 771                           | 792   | 844   | 932   | 941   | 869   |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 323                           | 298   | 326   | 360   | 357   | *230  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 447                           | 494   | 519   | 572   | 584   | 639   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *196                          | 231   | 240   | 444   | *461  | *506  |
| Combustible fuels                                      | *196                          | 209   | 218   | 392   | *392  | *421  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | 22    | 22    | 52    | 69    | 85    |
| Main activity  | *126                          | 161   | 161   | 364   | *381  | *426  |
| Combustible fuels                                      | *126                          | 139   | 139   | 312   | *312  | *341  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | 22    | 22    | 52    | 69    | 85    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *5190                         | *4532 | 5173  | *5616 | *5225 | *4214 |
| Fuel oil   | *3232                         | *3030 | *3717 | *3313 | *3083 | *2424 |
| <b>Total input</b>                                     | *8422                         | *7562 | 8890  | *8929 | *8307 | *6638 |
| <b>Total production</b>                                | 2967                          | 2783  | 2907  | 3125  | 3148  | *2462 |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 37    | 33    | 35    | 38    | 37    |

**Statistics on electricity**
**Mauritius**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 2798                          | 2882  | 2936  | 2996  | 3028  | 3132  |
| Combustible fuels                                      | 2719                          | 2781  | 2817  | 2845  | 2894  | 2988  |
| Hydro  | 74                            | 95    | 91    | 122   | 100   | 90    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 5                             | 6     | 28    | 29    | 34    | 54    |
| Main activity  | 1146                          | 1176  | 1175  | 1258  | 1215  | 1288  |
| Combustible fuels                                      | 1068                          | 1078  | 1081  | 1133  | 1112  | 1184  |
| Hydro  | 74                            | 95    | 91    | 122   | 100   | 90    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 4                             | 4     | 3     | 3     | 4     | 15    |
| Own use in electricity, CHP and heat plants            | 43                            | 39    | 42    | 44    | 29    | 12    |
| Net production   | 2754                          | 2843  | 2894  | 2952  | 2998  | 3120  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 191                           | 184   | 182   | 178   | 172   | 187   |
| Consumption  | 2561                          | 2657  | 2708  | 2770  | 2819  | 2885  |
| Energy industries own use                              | 267                           | 273   | 256   | 264   | 260   | 266   |
| By industry and construction                           | *687                          | *714  | *715  | 726   | 742   | 762   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 1607                          | 1670  | 1737  | 1780  | 1817  | 1856  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 781                           | 778   | 783   | 792   | 838   | 845   |
| Combustible fuels                                      | 718                           | 714   | 703   | 711   | 749   | 746   |
| Hydro  | 60                            | 61    | 61    | 61    | 61    | 60    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 3                             | 4     | 19    | 20    | 28    | 40    |
| Main activity  | 506                           | 501   | 490   | 489   | 499   | 523   |
| Combustible fuels                                      | 445                           | 439   | 428   | 427   | 437   | 452   |
| Hydro  | 60                            | 61    | 61    | 61    | 61    | 60    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1                             | 1     | 1     | 1     | 1     | 11    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 16848                         | 17731 | 18344 | 17647 | 18091 | 18871 |
| Biogas   | *65                           | *68   | *70   | 73    | 67    | 67    |
| Gas-diesel oil   | 86                            | 43    | 43    | 43    | 45    | 55    |
| Fuel oil   | 8605                          | 8726  | 8928  | 9292  | 8696  | 9672  |
| Other kerosene   | 131                           | 44    | 44    | 44    | 34    | 41    |
| Bagasse  | 8324                          | 8155  | 7954  | 9575  | 8722  | 8324  |
| <b>Total input</b>                                     | 34060                         | 34766 | 35383 | 36675 | 35654 | 37031 |
| <b>Total production</b>                                | 9788                          | 10012 | 10142 | 10242 | 10420 | 10757 |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 29    | 29    | 28    | 29    | 29    |

## Statistics on electricity

### Mexico

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 307228                        | 297326  | 301496  | 310712  | 320565  | 322063  |
| Combustible fuels                                      | 257001                        | 247163  | 240279  | 253005  | 262310  | 261726  |
| Hydro  | 31883                         | 28002   | 38893   | 30815   | 30698   | 31982   |
| Nuclear  | 8770                          | 11800   | 9677    | 11577   | 10567   | 10883   |
| Other  | 9574                          | 10361   | 12647   | 15315   | 16990   | 17472   |
| Main activity  | 262241                        | 258821  | 258258  | 262721  | 266201  | 259078  |
| Combustible fuels                                      | 214591                        | 211680  | 202346  | 212385  | 217231  | 209160  |
| Hydro  | 31317                         | 27444   | 38145   | 30051   | 29805   | 31040   |
| Nuclear  | 8770                          | 11800   | 9677    | 11577   | 10567   | 10883   |
| Other  | 7563                          | 7897    | 8090    | 8708    | 8598    | 7995    |
| Own use in electricity, CHP and heat plants            | 22823                         | 10235   | 11446   | 12935   | 17689   | 13130   |
| Net production   | 284405                        | 287091  | 290050  | 297777  | 302876  | 308933  |
| Imports  | 2177                          | 1210    | 2124    | 1650    | 2232    | 2151    |
| Exports  | 1116                          | 1240    | 2653    | 2320    | 1968    | 1804    |
| Losses   | 44050                         | 42520   | 41322   | 40640   | 40002   | 43915   |
| Consumption  | 253065                        | 246503  | 256779  | 261850  | 274210  | 275859  |
| Energy industries own use                              | 5355                          | 5033    | 4559    | 4400    | 3843    | 3938    |
| By industry and construction                           | 146746                        | 137391  | 142326  | 139990  | 145945  | 147465  |
| By transport   | 1130                          | 1130    | 1130    | 1134    | 1140    | 1077    |
| By households and other cons.                          | 99834                         | 102949  | 108764  | 116326  | 123282  | 123379  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 64089                         | 64107   | 66255   | 67504   | 72574   | 74431   |
| Combustible fuels                                      | 48364                         | 48047   | 48893   | 49421   | 53047   | 54388   |
| Hydro  | 11626                         | 11633   | 12464   | 12223   | 12580   | 12628   |
| Nuclear  | 1400                          | 1400    | 1400    | 1510    | 1608    | 1608    |
| Other  | 2699                          | 3027    | 3498    | 4350    | 5339    | 5807    |
| Main activity  | 52341                         | 53497   | 54379   | 54856   | 55904   | 57536   |
| Combustible fuels                                      | 38015                         | 39161   | 39294   | 39735   | 40280   | 41616   |
| Hydro  | 11498                         | 11509   | 12269   | 12028   | 12348   | 12395   |
| Nuclear  | 1400                          | 1400    | 1400    | 1510    | 1608    | 1608    |
| Other  | 1428                          | 1427    | 1416    | 1583    | 1668    | 1917    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 139230                        | 125044  | 150551  | 146312  | 169061  | 205979  |
| Brown Coal   | 205642                        | 197886  | 200358  | 206785  | 198168  | 133446  |
| Biogas   | 1822                          | 1970    | 1939    | 1961    | 1912    | 2265    |
| Gas-diesel oil   | 25456                         | 35475   | 21371   | 21586   | 27606   | 31820   |
| Fuel oil   | 454581                        | 432522  | 300010  | 254762  | 282194  | 306838  |
| Liquefied petroleum gas                                | 1372                          | 568     | 5061    | 5014    | 3548    | 2270    |
| Petroleum coke   | 39293                         | 40073   | 39910   | 39163   | 29803   | 38350   |
| Natural gas  | 1523582                       | 1423071 | 1484833 | 1609427 | 1684576 | 1782417 |
| Blast furnace gas                                      | 3497                          | 4199    | 4620    | 5592    | 4677    | 3470    |
| Bagasse  | 41468                         | *53758  | *71126  | *68416  | *70268  | *76782  |
| Others   | 9644                          | 2552    | 1504    | 1170    | 1393    | 1374    |
| <b>Total input</b>                                     | 2445586                       | 2317117 | 2281284 | 2360188 | 2473205 | 2585012 |
| <b>Total production</b>                                | 925204                        | 889787  | 865004  | 910818  | 944316  | 942214  |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 38      | 38      | 39      | 38      | 36      |

Statistics on electricity

Micronesia (Fed. States of)

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | *66                           | *67  | 69   | 67   | *68  | *69  |
| Combustible fuels                                      | *65                           | *66  | 68   | 66   | *66  | *67  |
| Hydro  | ..                            | ..   | 0    | 0    | 0    | 0    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 1    | 1    | 2    | 2    |
| Main activity  | *66                           | *67  | 69   | 67   | *68  | *69  |
| Combustible fuels                                      | *65                           | *66  | 68   | 66   | *66  | *67  |
| Hydro  | ..                            | ..   | 0    | 0    | 0    | 0    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 1    | 1    | 2    | 2    |
| Own use in electricity, CHP and heat plants            | *3                            | *3   | 3    | 1    | 2    | *2   |
| Net production   | *64                           | *65  | 66   | 66   | *65  | *66  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *13                           | *13  | *15  | *19  | *19  | *20  |
| Consumption  | *50                           | *51  | *51  | 46   | *46  | *47  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | *11                           | *11  | *14  | 15   | *15  | *15  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *39                           | *40  | *38  | 31   | *31  | *32  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 32                            | 32   | 34   | *34  | *34  | *34  |
| Combustible fuels                                      | 32                            | 32   | 32   | *32  | *32  | *32  |
| Hydro  | ..                            | ..   | 2    | 2    | 2    | *2   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 1    | 1    | 1    | 1    |
| Main activity  | 32                            | 32   | 34   | *34  | *34  | *34  |
| Combustible fuels                                      | 32                            | 32   | 32   | *32  | *32  | *32  |
| Hydro  | ..                            | ..   | 2    | 2    | 2    | *2   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 1    | 1    | 1    | 1    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *731                          | *753 | *774 | 834  | *834 | *843 |
| <b>Total input</b>                                     | *731                          | *753 | *774 | 834  | *834 | *843 |
| <b>Total production</b>                                | *235                          | *238 | 243  | 236  | *236 | *240 |
| <b>Estimated efficiency (% of production to input)</b> | 32                            | 32   | 31   | 28   | 28   | 28   |

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

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 4816                          | 5020   | 5376   | 5513   | 5667   | 6027   |
| Combustible fuels                                      | 4816                          | 5020   | 5376   | 5513   | 5667   | 6027   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | 4816                          | 5020   | 5376   | 5513   | 5667   | 6027   |
| Combustible fuels                                      | 4816                          | 5020   | 5376   | 5513   | 5667   | 6027   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 712                           | 725    | 772    | 778    | 749    | 816    |
| Net production   | 4103                          | 4294   | 4603   | 4735   | 4918   | 5211   |
| Imports  | 366                           | 1196   | 1349   | 1417   | 1446   | 1574   |
| Exports  | 21                            | 18     | 33     | 51     | 36     | 26     |
| Losses   | 675                           | 740    | 793    | 783    | 817    | 811    |
| Consumption  | 3773                          | 4732   | 5159   | 5284   | 5446   | 5949   |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 2339                          | 2931   | 3172   | 3261   | 3356   | 3692   |
| By transport   | 157                           | 197    | 211    | 217    | 223    | 248    |
| By households and other cons.                          | 1277                          | 1605   | 1776   | 1806   | 1867   | 2009   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | *1226                         | 1278   | *1341  | *1341  | *1359  | 1456   |
| Combustible fuels                                      | *1200                         | 1200   | *1262  | *1262  | *1273  | 1302   |
| Hydro  | 26                            | 26     | 26     | 26     | 29     | 29     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | 52     | 53     | 53     | 57     | 125    |
| Main activity  | *1050                         | 1102   | *1135  | *1135  | *1150  | 1247   |
| Combustible fuels                                      | *1050                         | 1050   | *1082  | *1082  | *1093  | 1122   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | 52     | 53     | 53     | 57     | 125    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 30620                         | 35173  | 38740  | 40417  | 42227  | 51712  |
| Brown Coal   | 68053                         | 74013  | 76185  | 75744  | 75391  | 78587  |
| Gas-diesel oil   | 2881                          | 3741   | 3311   | 3182   | 2662   | 3913   |
| Fuel oil   | 283                           | 162    | 125    | 129    | 105    | 89     |
| <b>Total input</b>                                     | 101836                        | 113088 | 118361 | 119472 | 120385 | 134301 |
| <b>Total production</b>                                | 17336                         | 18070  | 19353  | 19848  | 20402  | 21698  |
| <b>Estimated efficiency (% of production to input)</b> | 17                            | 16     | 16     | 17     | 17     | 16     |

**Statistics on electricity**
**Montenegro**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 2844                          | 3945  | 3173  | 3003  | 3141  | 2483  |
| Combustible fuels                                      | 1367                          | 1441  | 1421  | 1512  | 1298  | 1348  |
| Hydro  | 1477                          | 2504  | 1752  | 1491  | 1843  | 1040  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | 95    |
| Main activity  | 2844                          | 3945  | 3173  | 3003  | 3141  | 2483  |
| Combustible fuels                                      | 1367                          | 1441  | 1421  | 1512  | 1298  | 1348  |
| Hydro  | 1477                          | 2504  | 1752  | 1491  | 1843  | 1040  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | 95    |
| Own use in electricity, CHP and heat plants            | 141                           | 136   | 135   | 131   | 118   | 119   |
| Net production   | 2703                          | 3809  | 3038  | 2872  | 3023  | 2364  |
| Imports  | 1440                          | 388   | 903   | 1040  | 1210  | 1537  |
| Exports  | 228                           | 733   | 642   | 517   | 906   | 417   |
| Losses   | 695                           | 758   | 689   | 586   | 541   | 512   |
| Consumption  | 3220                          | 2706  | 2610  | 2679  | 2671  | 2855  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 1855                          | 1326  | 760   | 767   | 660   | 732   |
| By transport   | 15                            | 20    | 18    | 20    | 21    | 20    |
| By households and other cons.                          | 1350                          | 1360  | 1832  | 1892  | 1990  | 2103  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 877                           | 870   | 870   | 870   | 870   | 942   |
| Combustible fuels                                      | 219                           | 219   | 219   | 219   | 219   | 219   |
| Hydro  | 658                           | 651   | 651   | 651   | 651   | 651   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | 72    |
| Main activity  | 877                           | 870   | 870   | 870   | 870   | 942   |
| Combustible fuels                                      | 219                           | 219   | 219   | 219   | 219   | 219   |
| Hydro  | 658                           | 651   | 651   | 651   | 651   | 651   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | 72    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Brown Coal   | 15611                         | 15178 | 14708 | 15362 | 12028 | 12341 |
| <b>Total input</b>                                     | 15611                         | 15178 | 14708 | 15362 | 12028 | 12341 |
| <b>Total production</b>                                | 4921                          | 5188  | 5116  | 5443  | 4673  | 4853  |
| <b>Estimated efficiency (% of production to input)</b> | 32                            | 34    | 35    | 35    | 39    | 39    |

**Statistics on electricity**
**Montserrat**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | *23                           | *23  | *24  | *24  | *20  | *19  |
| Combustible fuels                                      | *23                           | *23  | *24  | *24  | *20  | *19  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | *23                           | *23  | *24  | *24  | *20  | *19  |
| Combustible fuels                                      | *23                           | *23  | *24  | *24  | *20  | *19  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | *2                            | *2   | *2   | *2   | 0    | 0    |
| Net production   | *21                           | *21  | *22  | *22  | *20  | *19  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *1                            | *1   | *1   | *1   | *1   | *1   |
| Consumption  | 19                            | 20   | 20   | 20   | *18  | 18   |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | *9                            | *9   | *9   | *9   | *8   | *8   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 10                            | 11   | 11   | 11   | *10  | 10   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *5                            | *5   | 6    | 5    | 5    | 5    |
| Combustible fuels                                      | *5                            | *5   | 6    | 5    | 5    | 5    |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | *5                            | *5   | 6    | 5    | 5    | 5    |
| Combustible fuels                                      | *5                            | *5   | 6    | 5    | 5    | 5    |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *237                          | *237 | *237 | *237 | *194 | *172 |
| <b>Total input</b>                                     | *237                          | *237 | *237 | *237 | *194 | *172 |
| <b>Total production</b>                                | *83                           | *83  | *86  | *86  | *72  | *68  |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 35   | 37   | 37   | 37   | 40   |

## Statistics on electricity

### Morocco

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 27797                         | 28242  | 29384  | 31217  | 32141  | 33192  |
| Combustible fuels                                      | 23951                         | 22594  | 24125  | 25108  | 25776  | 26875  |
| Hydro  | 1816                          | 2990   | 2033   | 2282   | 1662   | 1565   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 2030                          | 2658   | 3226   | 3827   | 4703   | 4752   |
| Main activity  | 26356                         | 26829  | 27945  | 29855  | 30839  | 31890  |
| Combustible fuels                                      | 23812                         | 22483  | 23988  | 25048  | 25776  | 26875  |
| Hydro  | 1816                          | 2990   | 2033   | 2282   | 1662   | 1565   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 728                           | 1356   | 1924   | 2525   | 3401   | 3450   |
| Own use in electricity, CHP and heat plants            | 32                            | 40     | 44     | 52     | 50     | 60     |
| Net production   | 27765                         | 28202  | 29340  | 31165  | 32091  | 33132  |
| Imports  | 5660                          | 5551   | 6138   | 5138   | 5289   | 6058   |
| Exports  | 818                           | 151    | 128    | 165    | 135    | 161    |
| Losses   | 4633                          | 4915   | 5197   | 5515   | 5654   | 6066   |
| Consumption  | 27973                         | 28687  | 30153  | 30624  | 31592  | 32963  |
| Energy industries own use                              | 628                           | 654    | 899    | 685    | 529    | 510    |
| By industry and construction                           | *10244                        | 10303  | 10659  | 10864  | 11190  | 11826  |
| By transport   | 320                           | 322    | 332    | 345    | 352    | 368    |
| By households and other cons.                          | 16781                         | 17408  | 18263  | 18730  | 19521  | 20259  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 6692                          | 7342   | 7994   | 8155   | 8261   | 8820   |
| Combustible fuels                                      | 4667                          | 5077   | 5427   | 5427   | 5432   | 5828   |
| Hydro  | 1770                          | 1770   | 1770   | 1770   | 1770   | 1770   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 255                           | 495    | 797    | 958    | 1059   | 1222   |
| Main activity  | 6692                          | 7342   | 7994   | 8155   | 8261   | 8820   |
| Combustible fuels                                      | 4667                          | 5077   | 5427   | 5427   | 5432   | 5828   |
| Hydro  | 1770                          | 1770   | 1770   | 1770   | 1770   | 1770   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 255                           | 495    | 797    | 958    | 1059   | 1222   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 126200                        | 123271 | 168285 | 185314 | 178592 | 185666 |
| Gas-diesel oil   | 989                           | 774    | 645    | 430    | 516    | 430    |
| Fuel oil   | 64357                         | 51106  | 28765  | 23917  | 31148  | 34704  |
| Petroleum coke   | 0                             | ..     | ..     | ..     | ..     | ..     |
| Natural gas  | 46004                         | 44285  | 42865  | 43985  | 45068  | 44651  |
| <b>Total input</b>                                     | 237550                        | 219436 | 240560 | 253646 | 255324 | 265451 |
| <b>Total production</b>                                | 86224                         | 81338  | 86850  | 90389  | 92794  | 96750  |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 37     | 36     | 36     | 36     | 36     |



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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 15166                         | 15645 | 17739 | 19641 | 18697 | 16992 |
| Combustible fuels                                      | 21                            | 840   | 1379  | 2547  | 3103  | 2930  |
| Hydro  | 15145                         | 14805 | 16359 | 17093 | 15592 | 14060 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | 1     | 1     | 2     | 2     |
| Main activity  | 14903                         | 15382 | 17271 | 19471 | 18620 | 16669 |
| Combustible fuels                                      | 21                            | 840   | 1379  | 2493  | 3045  | 2891  |
| Hydro  | 14882                         | 14542 | 15892 | 16978 | 15575 | 13778 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 210                           | 220   | 238   | 238   | 58    | 58    |
| Net production   | 14956                         | 15425 | 17501 | 19403 | 18639 | 16934 |
| Imports  | 8304                          | 8339  | 7656  | 10547 | 9928  | 9935  |
| Exports  | 9791                          | 9058  | 10199 | 12876 | 14269 | 9945  |
| Losses   | 2243                          | 2647  | 2612  | 5080  | 2480  | 2480  |
| Consumption  | 10939                         | 11605 | 12342 | 12180 | 11383 | 14443 |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 9448                          | 9295  | 10651 | 9800  | 9100  | 12488 |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 1491                          | 2310  | 1691  | 2380  | 2283  | 1955  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 2486                          | 2646  | 2682  | 2508  | 2491  | *2725 |
| Combustible fuels                                      | 249                           | 359   | 359   | 410   | 412   | *413  |
| Hydro  | 2237                          | 2287  | 2322  | 2097  | 2078  | *2311 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | 1     | 1     | 1     | *1    |
| Main activity  | 2436                          | 2596  | 2596  | 2460  | 2460  | *2611 |
| Combustible fuels                                      | 249                           | 359   | 359   | 385   | 385   | *385  |
| Hydro  | 2187                          | 2237  | 2237  | 2075  | 2075  | *2226 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | ..                            | *6880 | *1600 | 215   | 215   | ..    |
| Natural gas  | 357                           | 3026  | 16137 | 23573 | 24336 | 23541 |
| <b>Total input</b>                                     | 357                           | *9906 | 17737 | 23788 | 24551 | 23541 |
| <b>Total production</b>                                | 76                            | 3024  | 4964  | 9168  | 11172 | 10548 |
| <b>Estimated efficiency (% of production to input)</b> | 21                            | 31    | 28    | 39    | 46    | 45    |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016   | 2017   |
|--|-------------------------------|-------|-------|-------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |        |        |
| Total main activity and autoproducer                   | 10965                         | 12247 | 14156 | 15970 | 17867  | *19477 |
| Combustible fuels                                      | 3199                          | 3424  | 5327  | 6463  | 8123   | *8550  |
| Hydro  | 7766                          | 8823  | 8829  | 9507  | 9744   | *10927 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Main activity  | 10923                         | 11302 | 11197 | 14156 | 14390  | *15777 |
| Combustible fuels                                      | 3199                          | 2929  | 3046  | 5327  | 5235   | *5510  |
| Hydro  | 7725                          | 8373  | 8151  | 8829  | 9155   | *10267 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 186                           | 182   | 152   | 0     | 0      | *137   |
| Net production   | 10779                         | 12065 | 14005 | 15970 | 17867  | *19340 |
| Imports  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Exports  | ..                            | ..    | ..    | ..    | ..     | *1393  |
| Losses   | 2524                          | 2452  | 2750  | 2573  | 2385   | *1209  |
| Consumption  | 8255                          | 9613  | 11255 | 13397 | *15482 | *16738 |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..     | ..     |
| By industry and construction                           | 4600                          | 5849  | 7142  | 2145  | *2479  | 2605   |
| By transport   | ..                            | ..    | ..    | ..    | ..     | ..     |
| By households and other cons.                          | 3655                          | 3764  | 4113  | 11252 | *13003 | *14133 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |        |        |
| Total main activity and autoproducer                   | 3726                          | 4146  | 4805  | 5259  | 5390   | *5536  |
| Combustible fuels                                      | 913                           | 1141  | 1620  | 2076  | 2135   | *2193  |
| Hydro  | 2813                          | 3005  | 3185  | 3183  | 3255   | *3343  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Main activity  | 3606                          | 3753  | 4177  | 4631  | 4590   | *4714  |
| Combustible fuels                                      | 913                           | 920   | 1164  | 1620  | 1507   | *1548  |
| Hydro  | 2693                          | 2833  | 3013  | 3011  | 3083   | *3166  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |        |        |
| Hard Coal  | 7038                          | 3056  | 619   | 465   | *605   | *2326  |
| Brown Coal   | ..                            | ..    | ..    | ..    | 179    | 3744   |
| Gas-diesel oil   | 3440                          | 2580  | 4300  | 4322  | 6807   | 4597   |
| Natural gas  | 30948                         | 40331 | 71842 | 89943 | 123472 | 126111 |
| <b>Total input</b>                                     | 41426                         | 45967 | 76761 | 94730 | 131063 | 136778 |
| <b>Total production</b>                                | 11515                         | 12326 | 19179 | 23268 | 29243  | *30780 |
| <b>Estimated efficiency (% of production to input)</b> | 28                            | 27    | 25    | 25    | 22     | 23     |

**Statistics on electricity**
**Namibia**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 1538                          | 1712 | 1498 | 1536 | 1421 | 1659 |
| Combustible fuels                                      | 67                            | 72   | 13   | 34   | 62   | 66   |
| Hydro  | 1471                          | 1640 | 1485 | 1502 | 1359 | 1593 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 1538                          | 1712 | 1498 | 1536 | 1421 | 1659 |
| Combustible fuels                                      | 67                            | 72   | 13   | 34   | 62   | 66   |
| Hydro  | 1471                          | 1640 | 1485 | 1502 | 1359 | 1593 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | 1538                          | 1712 | 1498 | 1536 | 1421 | 1659 |
| Imports  | 2226                          | 2916 | 2886 | 2678 | 3073 | 2951 |
| Exports  | 88                            | 89   | 84   | 88   | 99   | 100  |
| Losses   | 426                           | 369  | 543  | 337  | 486  | 454  |
| Consumption  | 3635                          | 3772 | 3747 | 3782 | 3909 | 4057 |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 795                           | 786  | 716  | 613  | 585  | 603  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 2840                          | 2986 | 3031 | 3169 | 3324 | 3454 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 508                           | 487  | 487  | 497  | 497  | 494  |
| Combustible fuels                                      | 167                           | 155  | 155  | 155  | 143  | 143  |
| Hydro  | 341                           | 332  | 332  | 337  | 350  | 347  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 5    | *5   | *5   |
| Main activity  | 508                           | 487  | 487  | 497  | 497  | 494  |
| Combustible fuels                                      | 167                           | 155  | 155  | 155  | 143  | 143  |
| Hydro  | 341                           | 332  | 332  | 337  | 350  | 347  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 5    | *5   | *5   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Hard Coal  | 726                           | 590  | 0    | 91   | 772  | 953  |
| Gas-diesel oil   | *215                          | *430 | 172  | 387  | 129  | 0    |
| <b>Total input</b>                                     | 941                           | 1020 | 172  | 478  | 901  | 953  |
| <b>Total production</b>                                | 241                           | 259  | 47   | 122  | 223  | 238  |
| <b>Estimated efficiency (% of production to input)</b> | 26                            | 25   | 27   | 26   | 25   | 25   |

## Statistics on electricity

### Nauru

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 24                            | *24  | *25  | *25  | 32   | 36   |
| Combustible fuels                                      | 24                            | *24  | *25  | *25  | 32   | 35   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 1    |
| Main activity  | 24                            | *24  | *25  | *25  | 32   | 36   |
| Combustible fuels                                      | 24                            | *24  | *25  | *25  | 32   | 35   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 1    |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 1    |
| Net production   | 24                            | *24  | *25  | *25  | 32   | 35   |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *2                            | *2   | *2   | *2   | *2   | *3   |
| Consumption  | *21                           | *22  | *23  | *23  | *30  | *32  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *21                           | *22  | *23  | *23  | *30  | *32  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 5                             | *6   | *6   | *6   | *7   | *8   |
| Combustible fuels                                      | 5                             | *5   | *6   | *6   | *6   | *7   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 1    | 1    |
| Main activity  | 5                             | *6   | *6   | *6   | *7   | *8   |
| Combustible fuels                                      | 5                             | *5   | *6   | *6   | *6   | *7   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 1    | 1    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 283                           | *292 | *305 | *288 | *366 | *400 |
| <b>Total input</b>                                     | 283                           | *292 | *305 | *288 | *366 | *400 |
| <b>Total production</b>                                | 85                            | *87  | *90  | *90  | 114  | 125  |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 30   | 29   | 31   | 31   | 31   |

**Statistics on electricity**
**Nepal**

| Item   | 2012                          | 2013 | 2014  | 2015 | 2016 | 2017  |
|--|-------------------------------|------|-------|------|------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |       |      |      |       |
| Total main activity and autoproducer                   | 3543                          | 3130 | 3508  | 3503 | 4244 | 4639  |
| Combustible fuels                                      | 10                            | 10   | 10    | ..   | ..   | ..    |
| Hydro  | 3533                          | 3120 | 3498  | 3496 | 4237 | 4632  |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..    |
| Other  | ..                            | ..   | ..    | 7    | 7    | 7     |
| Main activity  | 3459                          | 2993 | 3368  | 3349 | 4089 | 4483  |
| Combustible fuels                                      | 10                            | 10   | 10    | ..   | ..   | ..    |
| Hydro  | 3449                          | 2983 | 3358  | 3342 | 4082 | 4476  |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..    |
| Other  | ..                            | ..   | ..    | 7    | 7    | 7     |
| Own use in electricity, CHP and heat plants            | 24                            | 40   | 15    | 39   | 48   | 55    |
| Net production   | 3519                          | 3090 | 3493  | 3464 | 4196 | 4584  |
| Imports  | 793                           | 1072 | 1319  | 1758 | 2175 | 2582  |
| Exports  | 4                             | 4    | 3     | 3    | 3    | 3     |
| Losses   | 1066                          | 745  | *1200 | 1315 | 1433 | 1443  |
| Consumption  | 3240                          | 3413 | 3491  | 3896 | 4925 | 5710  |
| Energy industries own use                              | ..                            | ..   | ..    | ..   | ..   | ..    |
| By industry and construction                           | 1168                          | 1222 | 1252  | 1210 | 1735 | 2010  |
| By transport   | 8                             | 6    | 6     | 6    | 7    | 5     |
| By households and other cons.                          | 2064                          | 2185 | 2233  | 2680 | 3183 | 3695  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |       |      |      |       |
| Total main activity and autoproducer                   | *762                          | *772 | *829  | 798  | 979  | *1141 |
| Combustible fuels                                      | 53                            | 53   | 53    | 53   | 53   | 53    |
| Hydro  | *709                          | *718 | *776  | 738  | 919  | *1081 |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..    |
| Other  | ..                            | ..   | ..    | *7   | *7   | *7    |
| Main activity  | *607                          | *617 | *654  | 701  | 701  | *628  |
| Combustible fuels                                      | 53                            | 53   | 53    | 53   | 53   | 53    |
| Hydro  | *554                          | *563 | *601  | 641  | 641  | *568  |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..    |
| Other  | ..                            | ..   | ..    | *7   | *7   | *7    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |       |      |      |       |
| Fuel oil   | 101                           | 89   | *89   | 0    | 0    | ..    |
| <b>Total input</b>                                     | 101                           | 89   | *89   | 0    | 0    | ..    |
| <b>Total production</b>                                | 36                            | 36   | 35    | ..   | ..   | ..    |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 41   | 39    | ..   | ..   | ..    |

**Statistics on electricity**
**Netherlands**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 103234                        | 101630 | 103359 | 110389 | 115211 | 117263 |
| Combustible fuels                                      | 93896                         | 92465  | 92488  | 97411  | 101241 | 100905 |
| Hydro  | 104                           | 114    | 112    | 93     | 100    | 61     |
| Nuclear  | 3915                          | 2891   | 4091   | 4077   | 3960   | 3402   |
| Other  | 5319                          | 6160   | 6668   | 8808   | 9910   | 12895  |
| Main activity  | 78118                         | 77092  | 81447  | 87496  | 92346  | 92220  |
| Combustible fuels                                      | 70015                         | 69467  | 72440  | 76914  | 80968  | 79075  |
| Hydro  | 104                           | 114    | 112    | 93     | 100    | 61     |
| Nuclear  | 3915                          | 2891   | 4091   | 4077   | 3960   | 3402   |
| Other  | 4084                          | 4620   | 4804   | 6412   | 7318   | 9682   |
| Own use in electricity, CHP and heat plants            | 4060                          | 4180   | 4645   | 4487   | 4179   | 3798   |
| Net production   | 99174                         | 97450  | 98714  | 105902 | 111032 | 113465 |
| Imports  | 32156                         | 33252  | 32855  | 30760  | 24258  | 22458  |
| Exports  | 15046                         | 15015  | 18128  | 22012  | 19343  | 18952  |
| Losses   | 5191                          | 5133   | 4934   | 5264   | 5434   | 5414   |
| Consumption  | 108902                        | 110321 | 107291 | 110458 | 111999 | 111445 |
| Energy industries own use                              | 4569                          | 5652   | 5592   | 6095   | 5984   | 5799   |
| By industry and construction                           | 35077                         | 34907  | 33295  | 34860  | 36400  | 35803  |
| By transport   | 1763                          | 1750   | 1716   | 1729   | 1969   | 1939   |
| By households and other cons.                          | 67493                         | 68012  | 66688  | 67774  | 67646  | 67904  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 29924                         | 30539  | 31762  | 33866  | 34176  | 33815  |
| Combustible fuels                                      | 26518                         | 26520  | 27286  | 28401  | 27311  | 26150  |
| Hydro  | 37                            | 37     | 37     | 37     | 37     | 37     |
| Nuclear  | 510                           | 485    | 485    | 485    | 485    | 485    |
| Other  | 2859                          | 3497   | 3954   | 4943   | 6343   | 7143   |
| Main activity  | 23714                         | 24136  | 24969  | 26825  | 26730  | 25557  |
| Combustible fuels                                      | 21203                         | 21390  | 22092  | 23400  | 22391  | 21231  |
| Hydro  | 37                            | 37     | 37     | 37     | 37     | 37     |
| Nuclear  | 510                           | 485    | 485    | 485    | 485    | 485    |
| Other  | 1964                          | 2224   | 2355   | 2903   | 3817   | 3804   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 217567                        | 221265 | 257247 | 336307 | 306318 | 267981 |
| Biogas   | 7108                          | 6640   | 6169   | 6110   | 6245   | 5776   |
| Gas-diesel oil   | 688                           | 1032   | 2924   | 946    | 645    | 559    |
| Refinery gas   | 17325                         | 17375  | 20345  | 13662  | 13613  | 11633  |
| Natural gas  | 461008                        | 450275 | 423496 | 373172 | 417337 | 448480 |
| Coke-oven gas  | 2237                          | 2307   | 1965   | 1850   | 1495   | 1993   |
| Blast furnace gas                                      | 25063                         | 23532  | 24677  | 24109  | 22715  | 23422  |
| Fuelwood   | *34302                        | *25527 | *20052 | *20319 | *19973 | *19751 |
| Vegetal waste  | *3963                         | *3020  | *1603  | *374   | *1574  | *1869  |
| Municipal waste  | 67182                         | 70182  | 70843  | 70793  | 75189  | 73443  |
| Others   | 1246                          | 764    | 3096   | ..     | ..     | ..     |
| <b>Total input</b>                                     | 837689                        | 821918 | 832416 | 847642 | 865104 | 854906 |
| <b>Total production</b>                                | 338026                        | 332874 | 332957 | 350680 | 364468 | 363258 |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 40     | 40     | 41     | 42     | 42     |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 2287                          | 2505  | 3011  | 2903  | 3130  | 3228  |
| Combustible fuels                                      | 1828                          | 1992  | 2660  | 2494  | 2842  | 2794  |
| Hydro  | 398                           | 456   | 289   | 340   | 232   | 361   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 62                            | 57    | 62    | 68    | 57    | 73    |
| Main activity  | 2287                          | 2505  | 3011  | 2903  | 3130  | 3228  |
| Combustible fuels                                      | 1828                          | 1992  | 2660  | 2494  | 2842  | 2794  |
| Hydro  | 398                           | 456   | 289   | 340   | 232   | 361   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 62                            | 57    | 62    | 68    | 57    | 73    |
| Own use in electricity, CHP and heat plants            | 0                             | 0     | 0     | 0     | 0     | 1     |
| Net production   | 2287                          | 2505  | 3011  | 2903  | 3130  | 3228  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 70                            | 68    | 58    | 61    | 90    | 68    |
| Consumption  | 2217                          | 2437  | 2953  | 2842  | 3040  | 3161  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 1596                          | 1808  | 2324  | 2193  | 2354  | 2488  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 621                           | 630   | 630   | 650   | 686   | 672   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 503                           | 691   | 683   | 998   | 1001  | *1020 |
| Combustible fuels                                      | 384                           | 572   | 565   | 875   | 875   | *875  |
| Hydro  | 78                            | 78    | 78    | 78    | 78    | 78    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 41                            | 41    | 40    | 44    | 48    | 67    |
| Main activity  | 495                           | 630   | 622   | 937   | 940   | *957  |
| Combustible fuels                                      | 377                           | 512   | 505   | 815   | 815   | *815  |
| Hydro  | 78                            | 78    | 78    | 78    | 78    | 78    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 41                            | 41    | 40    | 44    | 46    | 64    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 7088                          | 7790  | 10405 | 12389 | 17157 | 19141 |
| Gas-diesel oil   | 314                           | 2666  | 6717  | 3500  | 2700  | 2223  |
| Fuel oil   | 13946                         | 13001 | 15320 | 15792 | 16677 | 14512 |
| Other kerosene   | *88                           | 83    | 293   | 237   | 311   | 210   |
| Bitumen  | 12                            | 52    | 145   | 133   | 133   | 113   |
| Other liquid biofuels                                  | ..                            | *5    | *5    | *5    | *7    | *5    |
| <b>Total input</b>                                     | 21447                         | 23597 | 32885 | 32056 | 36986 | 36204 |
| <b>Total production</b>                                | 6580                          | 7170  | 9576  | 8979  | 10230 | 10059 |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 30    | 29    | 28    | 28    | 28    |

## Statistics on electricity

### New Zealand

| Item   | 2012                          | 2013   | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|--------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |       |       |       |       |
| Total main activity and autoproducer                   | 44251                         | 43259  | 43512 | 44184 | 43639 | 44214 |
| Combustible fuels                                      | 13028                         | 11694  | 9617  | 9351  | 7431  | 8858  |
| Hydro  | 22905                         | 23050  | 24328 | 24537 | 25922 | 25183 |
| Nuclear  | ..                            | ..     | ..    | ..    | ..    | ..    |
| Other  | 8318                          | 8515   | 9567  | 10296 | 10286 | 10173 |
| Main activity  | 42879                         | 41835  | 42103 | 42738 | 42233 | 42758 |
| Combustible fuels                                      | 11768                         | 10400  | 8352  | 8068  | 6210  | 7602  |
| Hydro  | 22893                         | 23042  | 24324 | 24533 | 25918 | 25179 |
| Nuclear  | ..                            | ..     | ..    | ..    | ..    | ..    |
| Other  | 8218                          | 8393   | 9427  | 10137 | 10105 | 9977  |
| Own use in electricity, CHP and heat plants            | 1457                          | 1383   | 1308  | 1326  | 1216  | 1302  |
| Net production   | 42794                         | 41876  | 42204 | 42858 | 42423 | 42912 |
| Imports  | ..                            | ..     | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..     | ..    | ..    | ..    | ..    |
| Losses   | 3003                          | 2895   | 2844  | 2902  | 2955  | 2908  |
| Consumption  | 39870                         | 39501  | 39838 | 40363 | 39607 | 39669 |
| Energy industries own use                              | 611                           | 613    | 619   | 714   | 718   | 756   |
| By industry and construction                           | 13901                         | 13774  | 13807 | 13911 | 13806 | 13854 |
| By transport   | 62                            | 62     | 62    | 62    | 62    | 62    |
| By households and other cons.                          | 25296                         | 25052  | 25350 | 25676 | 25021 | 24997 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |       |       |       |       |
| Total main activity and autoproducer                   | 9743                          | 9583   | 9787  | 9447  | 9289  | 9305  |
| Combustible fuels                                      | 3007                          | 2757   | 2763  | 2384  | 2210  | 2209  |
| Hydro  | 5368                          | 5381   | 5381  | 5381  | 5381  | 5381  |
| Nuclear  | ..                            | ..     | ..    | ..    | ..    | ..    |
| Other  | 1368                          | 1445   | 1643  | 1682  | 1698  | 1715  |
| Main activity  | 9492                          | 9327   | 9518  | 9163  | 8989  | 8988  |
| Combustible fuels                                      | 2786                          | 2536   | 2542  | 2163  | 1989  | 1988  |
| Hydro  | 5365                          | 5378   | 5378  | 5378  | 5378  | 5378  |
| Nuclear  | ..                            | ..     | ..    | ..    | ..    | ..    |
| Other  | 1341                          | 1413   | 1598  | 1622  | 1622  | 1622  |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |       |       |       |       |
| Brown Coal   | 27189                         | 16526  | 12360 | 11213 | 4601  | 5573  |
| Biogas   | 2449                          | 2352   | 2644  | 2832  | 3018  | 3010  |
| Gas-diesel oil   | 43                            | 43     | 43    | 0     | 43    | 43    |
| Natural gas  | 71172                         | 70901  | 58243 | 56284 | 49048 | 59760 |
| Coke-oven gas  | 1846                          | 2130   | 2007  | 2119  | 1854  | 1966  |
| Blast furnace gas                                      | 5530                          | 5541   | 5482  | 5617  | 5377  | 5669  |
| Fuelwood   | 5055                          | 5008   | 5029  | 4860  | 4647  | 4153  |
| <b>Total input</b>                                     | 113284                        | 102501 | 85808 | 82925 | 68588 | 80174 |
| <b>Total production</b>                                | 46901                         | 42098  | 34621 | 33664 | 26752 | 31889 |
| <b>Estimated efficiency (% of production to input)</b> | 41                            | 41     | 40    | 41    | 39    | 40    |



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

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 4031                          | 4165   | 4454   | 4580   | 4591   | 4525   |
| Combustible fuels                                      | 2759                          | 2467   | 2550   | 2740   | 2728   | 2657   |
| Hydro  | 419                           | 456    | 395    | 295    | 426    | 468    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 853                           | 1242   | 1509   | 1545   | 1437   | 1400   |
| Main activity  | 3529                          | 3630   | 3909   | 4071   | 4002   | 3814   |
| Combustible fuels                                      | 2258                          | 1933   | 2006   | 2232   | 2140   | 1946   |
| Hydro  | 418                           | 455    | 394    | 294    | 425    | 468    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 853                           | 1242   | 1509   | 1545   | 1437   | 1400   |
| Own use in electricity, CHP and heat plants            | 352                           | 400    | 161    | 364    | 193    | 407    |
| Net production   | 3679                          | 3765   | 4293   | 4216   | 4398   | 4118   |
| Imports  | 20                            | 52     | 22     | 34     | 205    | 327    |
| Exports  | 3                             | 16     | 49     | 22     | 18     | 1      |
| Losses   | 642                           | 643    | 926    | 837    | 964    | 996    |
| Consumption  | 3041                          | 3196   | 3325   | 3396   | 3665   | 3451   |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 1106                          | 1065   | 1105   | 1128   | 1174   | 1147   |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 1935                          | 2131   | 2220   | 2268   | 2491   | 2304   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 1287                          | 1291   | 1329   | 1346   | 1396   | 1482   |
| Combustible fuels                                      | 870                           | 869    | 866    | 866    | 912    | 985    |
| Hydro  | 106                           | 120    | 120    | 138    | 142    | 142    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 311                           | 302    | 342    | 342    | 342    | 355    |
| Main activity  | 1152                          | 1157   | 1194   | 1211   | 1219   | 1305   |
| Combustible fuels                                      | 736                           | 735    | 733    | 733    | 735    | 809    |
| Hydro  | 105                           | 119    | 119    | 137    | 142    | 142    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 311                           | 302    | 342    | 342    | 342    | 355    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | 602                           | 473    | 645    | 645    | 602    | 602    |
| Fuel oil   | 20362                         | 17332  | 17816  | 20119  | 19473  | 17210  |
| Bagasse  | *11660                        | *15255 | *15695 | *16735 | *14221 | *16805 |
| Vegetal waste  | *1572                         | *1943  | *3007  | *3044  | *2528  | *1927  |
| <b>Total input</b>                                     | 34196                         | 35003  | *37163 | 40543  | 36824  | *36544 |
| <b>Total production</b>                                | 9932                          | 8881   | 9180   | 9864   | 9821   | 9565   |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 25     | 25     | 24     | 27     | 26     |

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

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017  |
|--|-------------------------------|------|------|------|------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |       |
| Total main activity and autoproducer                   | 398                           | 516  | 521  | 522  | 442  | 566   |
| Combustible fuels                                      | 392                           | 508  | 512  | 511  | 428  | 552   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | 7                             | 8    | 10   | 11   | 13   | 15    |
| Main activity  | 338                           | 479  | 472  | 496  | 415  | 541   |
| Combustible fuels                                      | 338                           | 479  | 472  | 496  | 415  | 541   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Own use in electricity, CHP and heat plants            | 51                            | 44   | 44   | 44   | 68   | 72    |
| Net production   | 347                           | 472  | 478  | 478  | 374  | 494   |
| Imports  | 637                           | 602  | 727  | 782  | 779  | 845   |
| Exports  | 4                             | 3    | 0    | 0    | 0    | 0     |
| Losses   | 160                           | 156  | 191  | 215  | *208 | *218  |
| Consumption  | 826                           | 836  | 858  | 916  | *968 | *1014 |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..    |
| By industry and construction                           | 238                           | 225  | *215 | 218  | *272 | *285  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..    |
| By households and other cons.                          | 588                           | 611  | 644  | 699  | *696 | *729  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |       |
| Total main activity and autoproducer                   | *138                          | 192  | 230  | 277  | 288  | 290   |
| Combustible fuels                                      | *134                          | 187  | 224  | 270  | 280  | 281   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | 4                             | 5    | 6    | 7    | 8    | 9     |
| Main activity  | *105                          | 133  | 170  | 216  | 226  | 228   |
| Combustible fuels                                      | *105                          | 133  | 170  | 216  | 226  | 228   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..    |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |       |
| Hard Coal  | 4046                          | 3647 | 4231 | 3535 | 3721 | 3495  |
| Gas-diesel oil   | 1372                          | 2000 | 1883 | 2253 | 2279 | *2365 |
| Liquefied petroleum gas                                | 90                            | 473  | 710  | 596  | *449 | *520  |
| <b>Total input</b>                                     | 5508                          | 6120 | 6824 | 6384 | 6449 | 6380  |
| <b>Total production</b>                                | 1410                          | 1828 | 1842 | 1838 | 1542 | 1986  |
| <b>Estimated efficiency (% of production to input)</b> | 26                            | 30   | 27   | 29   | 24   | 31    |

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

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 28748                         | 28927  | 32275  | 32463  | 31831  | 32249  |
| Combustible fuels                                      | 23068                         | 23579  | 26907  | 26721  | 26219  | 26696  |
| Hydro  | 5659                          | 5326   | 5346   | 5718   | 5586   | 5527   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 21                            | 22     | 22     | 24     | 26     | 26     |
| Main activity  | 21271                         | 23626  | 26247  | 26464  | 25941  | 26256  |
| Combustible fuels                                      | 15727                         | 18409  | 21010  | 20863  | 20469  | 20842  |
| Hydro  | 5544                          | 5217   | 5237   | 5601   | 5472   | 5414   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 843                           | 849    | 945    | 952    | 936    | 948    |
| Net production   | 27905                         | 28078  | 31330  | 31511  | 30895  | 31301  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 4309                          | 4336   | 4838   | 4866   | 4771   | 4833   |
| Consumption  | 25399                         | 23689  | 24625  | 25270  | 25507  | 26010  |
| Energy industries own use                              | 240                           | 202    | 186    | 179    | 207    | 236    |
| By industry and construction                           | 3983                          | 3899   | 4057   | 4165   | 4098   | 4131   |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 21176                         | 19588  | 20382  | 20926  | 21202  | 21643  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | *8912                         | *9832  | *10406 | *10439 | *12385 | *12534 |
| Combustible fuels                                      | *6972                         | *7892  | *8458  | *8458  | *10403 | *10142 |
| Hydro  | *1930                         | *1930  | *1938  | *1970  | *1970  | *2380  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | *10                           | *10    | *10    | *11    | *12    | *12    |
| Main activity  | *6770                         | *7690  | *7356  | *7388  | *9071  | *9302  |
| Combustible fuels                                      | *4880                         | *5800  | *5458  | *5458  | *7141  | *6962  |
| Hydro  | *1890                         | *1890  | *1898  | *1930  | *1930  | *2340  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Natural gas  | 230470                        | 235570 | 268850 | 266970 | 261930 | 266698 |
| <b>Total input</b>                                     | 230470                        | 235570 | 268850 | 266970 | 261930 | 266698 |
| <b>Total production</b>                                | 83045                         | 84884  | 96865  | 96196  | 94388  | 96106  |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 36     | 36     | 36     | 36     | 36     |

## Statistics on electricity

### Niue

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 3                             | 3    | 3    | 3    | *3   | *3   |
| Combustible fuels                                      | 3                             | 3    | 3    | 3    | *3   | *3   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Main activity  | 3                             | 3    | 3    | 3    | *3   | *3   |
| Combustible fuels                                      | 3                             | 3    | 3    | 3    | *3   | *3   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | 3                             | 3    | 3    | 3    | *3   | *3   |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 0                             | 0    | 0    | 0    | 0    | 0    |
| Consumption  | 3                             | 3    | 3    | 3    | *3   | *3   |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 1                             | 1    | 1    | 1    | *1   | *1   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 2                             | 2    | 2    | 2    | *2   | *2   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 2                             | 2    | 2    | *2   | *2   | *2   |
| Combustible fuels                                      | 2                             | 2    | 2    | *2   | *2   | *2   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Main activity  | 2                             | 2    | 2    | *2   | *2   | *2   |
| Combustible fuels                                      | 2                             | 2    | 2    | *2   | *2   | *2   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 30                            | 31   | 31   | 34   | *34  | *33  |
| <b>Total input</b>                                     | 30                            | 31   | 31   | 34   | *34  | *33  |
| <b>Total production</b>                                | 12                            | 12   | 11   | 12   | *12  | *12  |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 38   | 36   | 35   | 35   | 36   |

**Statistics on electricity**
**North Macedonia**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 6262                          | 6094  | 5374  | 5646  | 5630  | 5600  |
| Combustible fuels                                      | 5218                          | 4501  | 4082  | 3617  | 3563  | 4304  |
| Hydro  | 1041                          | 1584  | 1207  | 1865  | 1897  | 1110  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 3                             | 9     | 85    | 164   | 169   | 186   |
| Main activity  | 6260                          | 6092  | 5373  | 5646  | 5630  | 5600  |
| Combustible fuels                                      | 5217                          | 4499  | 4081  | 3617  | 3563  | 4304  |
| Hydro  | 1041                          | 1584  | 1207  | 1865  | 1897  | 1110  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 3                             | 9     | 85    | 164   | 169   | 186   |
| Own use in electricity, CHP and heat plants            | 478                           | 434   | 412   | 380   | 358   | 387   |
| Net production   | 5784                          | 5660  | 4961  | 5266  | 5272  | 5213  |
| Imports  | 2741                          | 2491  | 3073  | 2656  | 2191  | 2294  |
| Exports  | 72                            | 62    | 113   | 143   | 160   | 311   |
| Losses   | 1296                          | 1152  | 1069  | 1035  | 1007  | 1004  |
| Consumption  | 7157                          | 6937  | 6852  | 6743  | 6296  | 6192  |
| Energy industries own use                              | 152                           | 136   | 123   | 108   | 103   | 90    |
| By industry and construction                           | 2206                          | 2261  | 2222  | 1976  | 1653  | 1421  |
| By transport   | 17                            | 17    | 19    | 17    | 14    | 14    |
| By households and other cons.                          | 4782                          | 4523  | 4489  | 4642  | 4526  | 4667  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 1706                          | 1731  | 1759  | 1790  | 1793  | 1806  |
| Combustible fuels                                      | 1107                          | 1107  | 1077  | 1074  | 1074  | 1074  |
| Hydro  | 595                           | 617   | 630   | 658   | 660   | 671   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 4                             | 7     | 52    | 58    | 59    | 61    |
| Main activity  | 1703                          | 1728  | 1756  | 1790  | 1793  | 1806  |
| Combustible fuels                                      | 1104                          | 1104  | 1074  | 1074  | 1074  | 1074  |
| Hydro  | 595                           | 617   | 630   | 658   | 660   | 671   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 4                             | 7     | 52    | 58    | 59    | 61    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Brown Coal   | 55961                         | 45809 | 43856 | 38046 | 33979 | 38362 |
| Biogas   | ..                            | ..    | ..    | 75    | 134   | 191   |
| Fuel oil   | 935                           | 1246  | 1663  | 1584  | 1130  | 986   |
| Refinery gas   | 0                             | ..    | ..    | ..    | ..    | ..    |
| Natural gas  | 3091                          | 3443  | 1713  | 1481  | 4603  | 6503  |
| <b>Total input</b>                                     | 59988                         | 50498 | 47232 | 41185 | 39846 | 46041 |
| <b>Total production</b>                                | 18785                         | 16204 | 14695 | 13023 | 12827 | 15495 |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 32    | 31    | 32    | 32    | 34    |

Statistics on electricity

Northern Mariana Islands

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | *411                          | *415  | *419  | *430  | *387  | *380  |
| Combustible fuels                                      | *411                          | *415  | *419  | *430  | *387  | *380  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *411                          | *415  | *419  | *430  | *387  | *380  |
| Combustible fuels                                      | *411                          | *415  | *419  | *430  | *387  | *380  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 0                             | 0     | 0     | 0     | 0     | 0     |
| Net production   | *411                          | *415  | *419  | *430  | *387  | *380  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *91                           | *92   | *93   | *96   | *86   | *85   |
| Consumption  | *319                          | *322  | *326  | *334  | *301  | *295  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | ..                            | ..    | ..    | ..    | ..    | ..    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *319                          | *322  | *326  | *334  | *301  | *295  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *88                           | *91   | 95    | *95   | 95    | *95   |
| Combustible fuels                                      | *88                           | *91   | 95    | *95   | 95    | *95   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *88                           | *91   | 95    | *95   | 95    | *95   |
| Combustible fuels                                      | *88                           | *91   | 95    | *95   | 95    | *95   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| <b>Total input</b>                                     | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Total production</b>                                | *1479                         | *1493 | *1508 | *1547 | *1392 | *1368 |
| <b>Estimated efficiency (% of production to input)</b> | ..                            | ..    | ..    | ..    | ..    | ..    |

## Statistics on electricity

### Norway

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 147663                        | 134072 | 141970 | 144546 | 149630 | 149359 |
| Combustible fuels                                      | 3303                          | 3249   | 3265   | 3285   | 3212   | 3233   |
| Hydro  | 142810                        | 128699 | 136185 | 138450 | 144005 | 142993 |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1550                          | 2124   | 2520   | 2811   | 2413   | 3133   |
| Main activity  | 145099                        | 131647 | 139383 | 141950 | 147032 | 146838 |
| Combustible fuels                                      | 739                           | 824    | 678    | 689    | 614    | 712    |
| Hydro  | 142810                        | 128699 | 136185 | 138450 | 144005 | 142993 |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1550                          | 2124   | 2520   | 2811   | 2413   | 3133   |
| Own use in electricity, CHP and heat plants            | 535                           | 587    | 629    | 642    | 563    | 717    |
| Net production   | 147128                        | 133485 | 141341 | 143904 | 149067 | 148642 |
| Imports  | 4191                          | 10135  | 6347   | 7371   | 5740   | 6111   |
| Exports  | 22006                         | 15141  | 21932  | 22016  | 22151  | 21276  |
| Losses   | 9158                          | 8060   | 7605   | 7469   | 9170   | 9153   |
| Consumption  | 118933                        | 118876 | 116697 | 120283 | 122672 | 123611 |
| Energy industries own use                              | 8617                          | 7877   | 8115   | 9206   | 9027   | 9915   |
| By industry and construction                           | 43492                         | 43348  | 44446  | 45012  | 45756  | 46010  |
| By transport   | 622                           | 632    | 654    | 794    | 866    | 913    |
| By households and other cons.                          | 66202                         | 67019  | 63482  | 65271  | 67023  | 66773  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 32860                         | 33486  | 33697  | 33837  | 33825  | 34245  |
| Combustible fuels                                      | 1611                          | 1600   | 1563   | 1563   | 1073   | 1074   |
| Hydro  | 30509                         | 31033  | 31240  | 31372  | 31834  | 31929  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 740                           | 853    | 894    | 902    | 918    | 1242   |
| Main activity  | 32307                         | 32933  | 33144  | 33284  | 33272  | 33706  |
| Combustible fuels                                      | 1058                          | 1047   | 1010   | 1010   | 520    | 535    |
| Hydro  | 30509                         | 31033  | 31240  | 31372  | 31834  | 31929  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 740                           | 853    | 894    | 902    | 918    | 1242   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 618                           | 674    | 703    | 703    | 731    | 815    |
| Biogas   | 69                            | 64     | 193    | 181    | 130    | 186    |
| Gas-diesel oil   | 258                           | 258    | 258    | 172    | 258    | 172    |
| Liquefied petroleum gas                                | 0                             | 0      | 0      | 0      | 0      | 0      |
| Refinery gas   | 0                             | 0      | 0      | 0      | ..     | ..     |
| Natural gas  | 15549                         | 14521  | 15381  | 15345  | 15362  | 14873  |
| Blast furnace gas                                      | 658                           | 845    | 938    | 1088   | 1006   | 1255   |
| Fuelwood   | 1035                          | 1269   | 77     | 94     | 309    | 1536   |
| Municipal waste  | 6482                          | 8242   | 9146   | 8670   | 8610   | 8756   |
| Other liquid biofuels                                  | 0                             | 0      | 0      | 0      | 0      | 27     |
| <b>Total input</b>                                     | 24669                         | 25873  | 26695  | 26252  | 26406  | 27620  |
| <b>Total production</b>                                | 11891                         | 11696  | 11754  | 11826  | 11563  | 11639  |
| <b>Estimated efficiency (% of production to input)</b> | 48                            | 45     | 44     | 45     | 44     | 42     |

## Statistics on electricity

### Oman

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 25017                         | 26240  | 29128  | 32758  | 34228  | 36126  |
| Combustible fuels                                      | 25017                         | 26240  | 29128  | 32758  | 34228  | 36126  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | 25017                         | 26240  | 29128  | 32758  | 34228  | 36126  |
| Combustible fuels                                      | 25017                         | 26240  | 29128  | 32758  | 34228  | 36126  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 652                           | 579    | 785    | 676    | 620    | 453    |
| Net production   | 24365                         | 25661  | 28343  | 32082  | 33608  | 35673  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 3410                          | 2871   | 3170   | 3170   | 3249   | 3323   |
| Consumption  | 20956                         | 22790  | 25173  | 28912  | 30359  | 32350  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 3436                          | 3686   | 4189   | 4723   | 5153   | 5021   |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 17520                         | 19104  | 20984  | 24189  | 25206  | 27329  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 5808                          | 6598   | 8214   | 7868   | 8165   | 8228   |
| Combustible fuels                                      | 5808                          | 6598   | 8214   | 7868   | 8165   | 8228   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | 5808                          | 6598   | 8214   | 7868   | 8165   | 8228   |
| Combustible fuels                                      | 5808                          | 6598   | 8214   | 7868   | 8165   | 8228   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | 6278                          | 7009   | 7697   | 8686   | 9632   | 8256   |
| Natural gas  | 289108                        | 285035 | 305274 | 317548 | 304957 | 314281 |
| <b>Total input</b>                                     | 295386                        | 292044 | 312971 | 326234 | 314589 | 322537 |
| <b>Total production</b>                                | 90061                         | 94464  | 104861 | 117929 | 123221 | 130054 |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 32     | 34     | 36     | 39     | 40     |



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

| Item   | 2012                          | 2013    | 2014   | 2015   | 2016   | 2017    |
|--|-------------------------------|---------|--------|--------|--------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |        |        |        |         |
| Total main activity and autoproducer                   | *96121                        | *100023 | 108150 | 110128 | 115502 | 123533  |
| Combustible fuels                                      | *61711                        | *65067  | 70585  | 70996  | 75329  | 82458   |
| Hydro  | 29857                         | 30397   | 32210  | 32867  | 34573  | 32132   |
| Nuclear  | 4553                          | 4553    | 5090   | 5804   | 4602   | 6867    |
| Other  | ..                            | 6       | 265    | 461    | 998    | 2076    |
| Main activity  | *94227                        | *97990  | 106106 | 107514 | 113189 | 120807  |
| Combustible fuels                                      | *59817                        | *63034  | 68541  | 68382  | 73016  | 79732   |
| Hydro  | 29857                         | 30397   | 32210  | 32867  | 34573  | 32132   |
| Nuclear  | 4553                          | 4553    | 5090   | 5804   | 4602   | 6867    |
| Other  | ..                            | 6       | 265    | 461    | 998    | 2076    |
| Own use in electricity, CHP and heat plants            | 3340                          | 3757    | 3984   | 4123   | 4502   | 3793    |
| Net production   | *92781                        | *96266  | 104166 | 106005 | 111000 | 119740  |
| Imports  | 375                           | ..      | ..     | 522    | 655    | 433     |
| Exports  | ..                            | ..      | ..     | ..     | ..     | ..      |
| Losses   | 16372                         | 16487   | 16931  | 16941  | 17823  | 20615   |
| Consumption  | 76788                         | 83409   | 85818  | 90429  | 95530  | 103273  |
| Energy industries own use                              | ..                            | ..      | ..     | ..     | ..     | ..      |
| By industry and construction                           | 22313                         | 24356   | 24979  | 25035  | 24010  | 27398   |
| By transport   | 0                             | 0       | 0      | 0      | 0      | ..      |
| By households and other cons.                          | 54475                         | 59053   | 60839  | 65394  | 71520  | 75875   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |        |        |        |         |
| Total main activity and autoproducer                   | *22918                        | 23996   | 25424  | 25329  | 27449  | 32249   |
| Combustible fuels                                      | *15289                        | 16315   | 17583  | 17108  | 18845  | 22853   |
| Hydro  | 6773                          | 6825    | 6985   | 7115   | 7115   | 7115    |
| Nuclear  | 750                           | 750     | 750    | 750    | 750    | 1090    |
| Other  | 106                           | 106     | 106    | 356    | 739    | 1191    |
| Main activity  | 14735                         | 23751   | 24830  | 24699  | 26756  | 31418   |
| Combustible fuels                                      | *7106                         | 16070   | 16989  | 16478  | 18152  | 22022   |
| Hydro  | 6773                          | 6825    | 6985   | 7115   | 7115   | 7115    |
| Nuclear  | 750                           | 750     | 750    | 750    | 750    | 1090    |
| Other  | 106                           | 106     | 106    | 356    | 739    | 1191    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |        |        |        |         |
| Hard Coal  | 1545                          | 3949    | 3556   | 5024   | 20662  | 115611  |
| Gas-diesel oil   | 8944                          | 12470   | 23134  | 12040  | 11954  | 7955    |
| Fuel oil   | *305626                       | 299162  | 346010 | 324776 | 299021 | *249591 |
| Natural gas  | 296600                        | 276430  | 286708 | 359108 | 361882 | 478796  |
| Bagasse  | *21027                        | *24278  | *22626 | *23583 | *23560 | *23560  |
| <b>Total input</b>                                     | *633743                       | 616289  | 682033 | 724531 | 717079 | 875513  |
| <b>Total production</b>                                | *222159                       | *234241 | 254106 | 255586 | 271184 | 296849  |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 38      | 37     | 35     | 38     | 34      |

## Statistics on electricity

### Palau

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016  | 2017  |
|--|-------------------------------|------|------|------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |       |       |
| Total main activity and autoproducer                   | *86                           | *87  | *90  | *90  | *95   | *95   |
| Combustible fuels                                      | *86                           | *87  | *90  | *90  | *95   | *95   |
| Hydro  | ..                            | ..   | ..   | ..   | ..    | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..    | ..    |
| Other  | ..                            | ..   | ..   | ..   | 0     | 0     |
| Main activity  | *80                           | *81  | *84  | *84  | *89   | *88   |
| Combustible fuels                                      | *80                           | *81  | *84  | *84  | *89   | *88   |
| Hydro  | ..                            | ..   | ..   | ..   | ..    | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..    | ..    |
| Other  | ..                            | ..   | ..   | ..   | 0     | 0     |
| Own use in electricity, CHP and heat plants            | *6                            | *6   | *6   | *6   | *6    | *5    |
| Net production   | *80                           | *82  | *84  | *84  | *89   | *90   |
| Imports  | ..                            | ..   | ..   | ..   | ..    | ..    |
| Exports  | ..                            | ..   | ..   | ..   | ..    | ..    |
| Losses   | *14                           | *14  | *14  | *14  | *15   | *16   |
| Consumption  | *64                           | *65  | *67  | *67  | *71   | *74   |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..    | ..    |
| By industry and construction                           | *5                            | *5   | *5   | *6   | *6    | *6    |
| By transport   | ..                            | ..   | ..   | ..   | ..    | ..    |
| By households and other cons.                          | *59                           | *60  | *62  | *61  | *65   | *68   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |       |       |
| Total main activity and autoproducer                   | *30                           | *30  | 30   | 31   | 40    | *40   |
| Combustible fuels                                      | *30                           | *30  | 30   | 30   | 39    | *39   |
| Hydro  | ..                            | ..   | ..   | ..   | ..    | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..    | ..    |
| Other  | ..                            | ..   | ..   | 1    | *1    | *1    |
| Main activity  | *28                           | *28  | 28   | 29   | 38    | *38   |
| Combustible fuels                                      | *28                           | *28  | 28   | 28   | 37    | *37   |
| Hydro  | ..                            | ..   | ..   | ..   | ..    | ..    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..    | ..    |
| Other  | ..                            | ..   | ..   | 1    | *1    | *1    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |       |       |
| Gas-diesel oil   | *946                          | *963 | *980 | *980 | *1075 | *1118 |
| <b>Total input</b>                                     | *946                          | *963 | *980 | *980 | *1075 | *1118 |
| <b>Total production</b>                                | *309                          | *315 | *323 | *323 | *341  | *342  |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33   | 33   | 33   | 32    | 31    |

## Statistics on electricity

### Panama

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 8606                          | 8962  | 9287  | 10295 | 10885 | 11054 |
| Combustible fuels                                      | 3218                          | 3808  | 4136  | 3604  | 3666  | 3141  |
| Hydro  | 5388                          | 5154  | 5034  | 6257  | 6523  | 7256  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | 118   | 435   | 697   | 657   |
| Main activity  | 8580                          | 8929  | 9256  | 10262 | 10853 | 11022 |
| Combustible fuels                                      | 3192                          | 3775  | 4105  | 3570  | 3634  | 3109  |
| Hydro  | 5388                          | 5154  | 5034  | 6257  | 6523  | 7256  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | 118   | 435   | 697   | 657   |
| Own use in electricity, CHP and heat plants            | 178                           | 211   | 200   | 201   | 207   | 242   |
| Net production   | 8428                          | 8751  | 9087  | 10095 | 10678 | 10812 |
| Imports  | 19                            | 75    | 193   | 17    | 30    | 7     |
| Exports  | 59                            | 71    | 99    | 139   | 398   | 318   |
| Losses   | 1190                          | 1220  | 1328  | 1400  | 1512  | 1448  |
| Consumption  | 7176                          | 7511  | 7832  | 8549  | 8761  | 9095  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 695                           | 706   | 689   | 669   | 647   | 651   |
| By transport   | ..                            | ..    | 19    | 42    | 37    | 41    |
| By households and other cons.                          | 6481                          | 6805  | 7124  | 7837  | 8077  | 8403  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 2422                          | 2546  | 2829  | 3224  | 3371  | 3423  |
| Combustible fuels                                      | 954                           | 1032  | 1148  | 1202  | 1235  | 1225  |
| Hydro  | 1468                          | 1494  | 1623  | 1726  | 1769  | 1777  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 0                             | 20    | 57    | 296   | 367   | 421   |
| Main activity  | 2198                          | 2333  | 2560  | 2992  | 3139  | 3191  |
| Combustible fuels                                      | 795                           | 879   | 939   | 1030  | 1063  | 1053  |
| Hydro  | 1403                          | 1434  | 1563  | 1666  | 1709  | 1717  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 0                             | 20    | 57    | 296   | 367   | 421   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 8333                          | 8798  | 9082  | 9133  | 8075  | 2252  |
| Gas-diesel oil   | 3010                          | 5676  | 9546  | 2555  | 1935  | 2718  |
| Fuel oil   | 18301                         | 12484 | 6828  | 19386 | 21312 | 19682 |
| Bagasse  | 2476                          | 3081  | 2874  | 2900  | 4001  | 2843  |
| <b>Total input</b>                                     | 32121                         | 30038 | 28329 | 33974 | 35324 | 27495 |
| <b>Total production</b>                                | 11583                         | 13708 | 14888 | 12974 | 13199 | 11309 |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 46    | 53    | 38    | 37    | 41    |

Statistics on electricity

Papua New Guinea

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017   |
|--|-------------------------------|-------|-------|-------|-------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |        |
| Total main activity and autoproducer                   | 3764                          | 3964  | 4176  | 4324  | 4445  | 4526   |
| Combustible fuels                                      | 2359                          | 2546  | 2734  | 2890  | 3020  | 3227   |
| Hydro  | 983                           | 996   | 1020  | 1012  | 1005  | 877    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | 422                           | 422   | 422   | 422   | 420   | 422    |
| Main activity  | 896                           | 905   | 940   | 917   | 925   | 1222   |
| Combustible fuels                                      | 264                           | 260   | 280   | 256   | 275   | 694    |
| Hydro  | 632                           | 645   | 660   | 661   | 650   | 526    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..    | 2      |
| Own use in electricity, CHP and heat plants            | 1                             | 0     | 0     | 0     | 116   | 190    |
| Net production   | 3763                          | 3964  | 4176  | 4324  | 4329  | 4336   |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Losses   | *434                          | 454   | 512   | 442   | 337   | *338   |
| Consumption  | 3329                          | 3513  | 3664  | 3882  | 3991  | *3998  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..     |
| By industry and construction                           | 2432                          | 2559  | 2652  | 2838  | 2931  | *2935  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..     |
| By households and other cons.                          | *897                          | *954  | *1012 | *1044 | *1061 | *1063  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |        |
| Total main activity and autoproducer                   | *795                          | *865  | *872  | *855  | *858  | *870   |
| Combustible fuels                                      | *478                          | *548  | *566  | *553  | *556  | *556   |
| Hydro  | 261                           | 261   | 250   | *249  | *249  | *258   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | 56                            | 56    | *56   | 53    | 53    | *56    |
| Main activity  | 280                           | 280   | 267   | *253  | *256  | *268   |
| Combustible fuels                                      | *118                          | *118  | 116   | *103  | *106  | *106   |
| Hydro  | 162                           | 162   | 151   | *150  | *150  | *162   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |        |
| Gas-diesel oil   | 4313                          | 5151  | 3896  | 4312  | 3894  | *3898  |
| Fuel oil   | 17921                         | 19263 | 21856 | 22273 | 22693 | *23089 |
| Natural gas  | 5024                          | 5150  | 6155  | 6657  | 8416  | 8709   |
| <b>Total input</b>                                     | 27259                         | 29564 | 31907 | 33242 | 35003 | *35695 |
| <b>Total production</b>                                | 8492                          | 9166  | 9842  | 10404 | 10872 | 11617  |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 31    | 31    | 31    | 31    | 33     |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 60235                         | 60381 | 55282 | 55744 | 63771 | 59685 |
| Combustible fuels                                      | 3                             | 3     | 6     | 1     | 1     | 2     |
| Hydro  | 60232                         | 60378 | 55276 | 55743 | 63770 | 59684 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 60235                         | 60381 | 55282 | 55744 | 63771 | 59685 |
| Combustible fuels                                      | 3                             | 3     | 6     | 1     | 1     | 2     |
| Hydro  | 60232                         | 60378 | 55276 | 55743 | 63770 | 59684 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 504                           | 506   | 448   | 451   | 523   | 495   |
| Net production   | 59730                         | 59875 | 54834 | 55293 | 63248 | 59190 |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | 47663                         | 47365 | 41400 | 41127 | 48415 | 43635 |
| Losses   | 3845                          | 3492  | 3402  | 3590  | 3821  | 4000  |
| Consumption  | 8222                          | 9018  | 10030 | 10576 | 11012 | 11555 |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 3343                          | 3567  | 3801  | 4010  | 4105  | 4452  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 4879                          | 5451  | 6229  | 6567  | 6907  | 7103  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 8816                          | 8825  | 8825  | 8825  | 8811  | 8811  |
| Combustible fuels                                      | 6                             | 15    | 15    | 15    | 1     | 1     |
| Hydro  | 8810                          | 8810  | 8810  | 8810  | 8810  | 8810  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 8816                          | 8825  | 8825  | 8825  | 8811  | 8811  |
| Combustible fuels                                      | 6                             | 15    | 15    | 15    | 1     | 1     |
| Hydro  | 8810                          | 8810  | 8810  | 8810  | 8810  | 8810  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 22                            | 22    | 57    | 18    | 17    | 20    |
| <b>Total input</b>                                     | 22                            | 22    | 57    | 18    | 17    | 20    |
| <b>Total production</b>                                | 11                            | 11    | 21    | 5     | 5     | 5     |
| <b>Estimated efficiency (% of production to input)</b> | 51                            | 51    | 37    | 28    | 27    | 27    |

## Statistics on electricity

### Peru

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 40044                         | 43330  | 45508  | 48277  | 52720  | 52743  |
| Combustible fuels                                      | 17951                         | 20812  | 22882  | 23729  | 26630  | 22265  |
| Hydro  | 22032                         | 22320  | 22171  | 23722  | 24785  | 29075  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 61                            | 198    | 455    | 826    | 1305   | 1403   |
| Main activity  | 37369                         | 40665  | 42844  | 45719  | 50465  | 50344  |
| Combustible fuels                                      | 15817                         | 18757  | 20778  | 21766  | 25024  | 20591  |
| Hydro  | 21491                         | 21709  | 21611  | 23127  | 24136  | 28393  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 61                            | 198    | 455    | 826    | 1305   | 1360   |
| Own use in electricity, CHP and heat plants            | 564                           | 589    | 800    | 567    | 1831   | 752    |
| Net production   | 39480                         | 42741  | 44708  | 47710  | 50889  | 51991  |
| Imports  | 5                             | 0      | 0      | 1      | 22     | 17     |
| Exports  | 2                             | 0      | 13     | 55     | 38     | 0      |
| Losses   | 3380                          | 4556   | 5018   | 5324   | 5484   | 5543   |
| Consumption  | 35969                         | 38208  | 39719  | 42334  | 45390  | 46464  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 19027                         | 20686  | 21798  | 23446  | 26054  | 26716  |
| By transport   | 3                             | 22     | 37     | 48     | 46     | 53     |
| By households and other cons.                          | 16939                         | 17499  | 17884  | 18840  | 19290  | 19695  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 9699                          | 11051  | 11203  | 12089  | 14517  | 14775  |
| Combustible fuels                                      | 6134                          | 7414   | 7302   | 7619   | 8988   | 9005   |
| Hydro  | 3484                          | 3556   | 3662   | 4130   | 5189   | 5246   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 81                            | 81     | 239    | 340    | 340    | 524    |
| Main activity  | 8267                          | 9635   | 9739   | 10511  | 13044  | 13239  |
| Combustible fuels                                      | 4806                          | 6104   | 5942   | 6145   | 7632   | 7639   |
| Hydro  | 3381                          | 3451   | 3558   | 4026   | 5072   | 5116   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 81                            | 81     | 239    | 340    | 340    | 484    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 9752                          | 13489  | 8095   | 6694   | 12095  | 9026   |
| Biogas   | 877                           | 806    | 821    | 985    | 1372   | 391    |
| Gas-diesel oil   | 7955                          | 6183   | 5500   | 8983   | 11425  | 15751  |
| Fuel oil   | 8201                          | 8633   | 6226   | 6339   | 7135   | 6327   |
| Refinery gas   | 1238                          | 1287   | 1485   | 1485   | 0      | ..     |
| Natural gas  | 164487                        | 150325 | 175586 | 182405 | 199607 | 165558 |
| Bagasse  | 10324                         | 15622  | 21452  | 14363  | 11792  | 17599  |
| Biodiesel  | 0                             | 265    | 236    | 383    | 489    | 677    |
| <b>Total input</b>                                     | 202834                        | 196611 | 219400 | 221636 | 243915 | 215328 |
| <b>Total production</b>                                | 64624                         | 74925  | 82375  | 85424  | 95868  | 80154  |
| <b>Estimated efficiency (% of production to input)</b> | 32                            | 38     | 38     | 39     | 39     | 37     |

**Statistics on electricity**
**Philippines**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 73189                         | 75519  | 77476  | 82905  | 91789  | 95747  |
| Combustible fuels                                      | 52594                         | 55811  | 57845  | 62292  | 70519  | 73554  |
| Hydro  | 10269                         | 10036  | 9154   | 8682   | 8128   | 9628   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 10327                         | 9672   | 10477  | 11931  | 13143  | 12565  |
| Main activity  | 72922                         | 75266  | 77261  | 82413  | 90798  | 94371  |
| Combustible fuels                                      | 52343                         | 55575  | 57647  | 61818  | 69544  | 72195  |
| Hydro  | 10252                         | 10019  | 9137   | 8665   | 8111   | 9611   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 10327                         | 9672   | 10477  | 11931  | 13143  | 12565  |
| Own use in electricity, CHP and heat plants            | 5584                          | 6178   | 6827   | 7582   | 9314   | 9655   |
| Net production   | 67605                         | 69340  | 70649  | 75323  | 82475  | 86092  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 8360                          | 7741   | 7270   | 7481   | 8286   | 8262   |
| Consumption  | 59211                         | 61566  | 63345  | 67808  | 74154  | 77793  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 20071                         | 20677  | 21429  | 22514  | 24119  | 25573  |
| By transport   | 117                           | 112    | 111    | 98     | 103    | 112    |
| By households and other cons.                          | 39023                         | 40777  | 41805  | 45196  | 49933  | 52108  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 17164                         | 17452  | 18063  | 18989  | 21869  | 23341  |
| Combustible fuels                                      | 11745                         | 12013  | 12280  | 12864  | 15127  | 16470  |
| Hydro  | 3537                          | 3537   | 3559   | 3616   | 3634   | 3643   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1882                          | 1902   | 2224   | 2509   | 3108   | 3228   |
| Main activity  | 17026                         | 17325  | 17944  | 18765  | 21425  | 22728  |
| Combustible fuels                                      | 11623                         | 11902  | 12177  | 12656  | 14699  | 15873  |
| Hydro  | 3521                          | 3521   | 3543   | 3600   | 3618   | 3627   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1882                          | 1902   | 2224   | 2509   | 3108   | 3228   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Brown Coal   | 263790                        | 326840 | 344453 | 387713 | 425312 | 514939 |
| Gas-diesel oil   | 8514                          | 10866  | 14732  | 12711  | 21251  | 17402  |
| Fuel oil   | 32869                         | 35055  | 44137  | 47559  | 31666  | 24284  |
| Natural gas  | 141010                        | 128781 | 135141 | 127938 | 146239 | 146138 |
| Bagasse  | 2034                          | 2122   | 1817   | 4590   | 9867   | 13825  |
| Municipal waste  | 925                           | 1499   | 1640   | 955    | 447    | 527    |
| Biodiesel  | 152                           | 191    | 269    | 233    | 372    | 307    |
| <b>Total input</b>                                     | 449296                        | 505355 | 542188 | 581699 | 635153 | 717423 |
| <b>Total production</b>                                | 189337                        | 200918 | 208242 | 224251 | 253867 | 264794 |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 40     | 38     | 39     | 40     | 37     |

## Statistics on electricity

### Poland

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 162139                        | 164580  | 159059  | 164944  | 166635  | 170467  |
| Combustible fuels                                      | 154845                        | 155467  | 148500  | 151478  | 151234  | 152297  |
| Hydro  | 2465                          | 2997    | 2734    | 2435    | 2622    | 3034    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 4829                          | 6116    | 7825    | 11031   | 12779   | 15136   |
| Main activity  | 153690                        | 155663  | 150178  | 155562  | 156178  | 158553  |
| Combustible fuels                                      | 146480                        | 146665  | 139771  | 142272  | 140971  | 140614  |
| Hydro  | 2463                          | 2994    | 2731    | 2432    | 2619    | 3030    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 4747                          | 6004    | 7676    | 10858   | 12588   | 14909   |
| Own use in electricity, CHP and heat plants            | 14490                         | 14501   | 13845   | 14249   | 14632   | 15598   |
| Net production   | 147649                        | 150079  | 145214  | 150695  | 152003  | 154869  |
| Imports  | 9803                          | 7801    | 13508   | 14459   | 14017   | 13271   |
| Exports  | 12643                         | 12322   | 11342   | 14793   | 12018   | 10984   |
| Losses   | 10884                         | 10247   | 10250   | 10534   | 9495    | 9996    |
| Consumption  | 133925                        | 135311  | 137129  | 139827  | 144507  | 147159  |
| Energy industries own use                              | 11756                         | 11754   | 11783   | 12008   | 11668   | 11371   |
| By industry and construction                           | 44714                         | 47290   | 47585   | 49482   | 51210   | 54542   |
| By transport   | 3200                          | 3156    | 3007    | 3107    | 3287    | 3327    |
| By households and other cons.                          | 74255                         | 73111   | 74754   | 75230   | 78342   | 77919   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 35283                         | 35815   | 35989   | 37327   | 38105   | 42850   |
| Combustible fuels                                      | 30365                         | 30027   | 29760   | 29961   | 29783   | 34412   |
| Hydro  | 2351                          | 2355    | 2364    | 2370    | 2386    | 2391    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 2567                          | 3433    | 3865    | 4996    | 5936    | 6047    |
| Main activity  | 33514                         | 34009   | 34141   | 35189   | 36027   | 40077   |
| Combustible fuels                                      | 28600                         | 28226   | 27942   | 27934   | 27895   | 31929   |
| Hydro  | 2350                          | 2354    | 2363    | 2369    | 2385    | 2390    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 2564                          | 3429    | 3836    | 4886    | 5747    | 5758    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 958319                        | 978720  | 900363  | 912442  | 938903  | 953281  |
| Brown Coal   | 524934                        | 542388  | 514876  | 508760  | 485377  | 503718  |
| Biogas   | 4204                          | 4872    | 5718    | 6298    | 7231    | 8216    |
| Fuel oil   | 14665                         | 12726   | 11352   | 15837   | 16443   | 14867   |
| Natural gas  | 57640                         | 47363   | 47736   | 57442   | 68953   | 83638   |
| Coke-oven gas  | 17309                         | 19410   | 19325   | 22755   | 24895   | 22961   |
| Blast furnace gas                                      | 11328                         | 11729   | 13937   | 16242   | 14630   | 15884   |
| Fuelwood   | *34647                        | *40601  | *42549  | *43633  | *45096  | 39224   |
| Vegetal waste  | *58676                        | 34017   | 42121   | 44425   | 26528   | 14430   |
| Municipal waste  | 371                           | 337     | 237     | 727     | 3959    | 6497    |
| Others   | 7700                          | 7887    | 7194    | 6620    | 5793    | 3933    |
| <b>Total input</b>                                     | 1689792                       | 1700050 | 1605409 | 1635181 | 1637808 | 1666650 |
| <b>Total production</b>                                | 557442                        | 559681  | 534600  | 545321  | 544442  | 548269  |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33      | 33      | 33      | 33      | 33      |



**Statistics on electricity**
**Portugal**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 46614                         | 51672  | 52802  | 52420  | 60328  | 59434  |
| Combustible fuels                                      | 29151                         | 24110  | 23440  | 30005  | 29903  | 38346  |
| Hydro  | 6660                          | 14868  | 16412  | 9799   | 16909  | 7632   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 10803                         | 12694  | 12950  | 12616  | 13516  | 13456  |
| Main activity  | 38270                         | 42662  | 44367  | 44126  | 52123  | 50996  |
| Combustible fuels                                      | 20967                         | 15330  | 15323  | 22076  | 22104  | 30392  |
| Hydro  | 6650                          | 14848  | 16389  | 9784   | 16889  | 7621   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 10653                         | 12484  | 12655  | 12266  | 13130  | 12983  |
| Own use in electricity, CHP and heat plants            | 1359                          | 1260   | 1275   | 1480   | 1466   | 1765   |
| Net production   | 45255                         | 50412  | 51527  | 50940  | 58862  | 57669  |
| Imports  | 10766                         | 8100   | 7247   | 8077   | 4616   | 5506   |
| Exports  | 2871                          | 5324   | 6344   | 5811   | 9701   | 8190   |
| Losses   | 4707                          | 5455   | 5209   | 4894   | 4901   | 5101   |
| Consumption  | 48441                         | 47732  | 47220  | 48309  | 48880  | 49885  |
| Energy industries own use                              | 2200                          | 2475   | 2025   | 2497   | 2485   | 3243   |
| By industry and construction                           | 15932                         | 15993  | 15395  | 15481  | 15645  | 16143  |
| By transport   | 401                           | 301    | 302    | 308    | 431    | 485    |
| By households and other cons.                          | 29908                         | 28963  | 29498  | 30023  | 30319  | 30014  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 19747                         | 18900  | 19124  | 19624  | 20613  | 20933  |
| Combustible fuels                                      | 9360                          | 8308   | 8113   | 8048   | 7990   | 7974   |
| Hydro  | 5712                          | 5661   | 5715   | 6168   | 6960   | 7226   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 4675                          | 4931   | 5296   | 5408   | 5663   | 5733   |
| Main activity  | 17635                         | 16841  | 17020  | 17575  | 18570  | 18849  |
| Combustible fuels                                      | 7357                          | 6409   | 6205   | 6205   | 6209   | 6205   |
| Hydro  | 5706                          | 5655   | 5709   | 6162   | 6954   | 7220   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 4572                          | 4777   | 5106   | 5208   | 5407   | 5424   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 121920                        | 110009 | 111645 | 135911 | 118603 | 135518 |
| Biogas   | 2362                          | 2736   | 3078   | 3121   | 2996   | 3224   |
| Gas-diesel oil   | 860                           | 860    | 903    | 989    | 774    | 774    |
| Fuel oil   | 15958                         | 11393  | 9494   | 9656   | 9938   | 9373   |
| Refinery gas   | 941                           | 1188   | 941    | 644    | 396    | 446    |
| Natural gas  | 98507                         | 79197  | 72602  | 97300  | 110638 | 155583 |
| Fuelwood   | 21061                         | 20169  | 24574  | 25376  | 25698  | 26515  |
| Municipal waste  | 7197                          | 8097   | 6845   | 8155   | 8680   | 8739   |
| Industrial waste                                       | 127                           | 101    | 91     | 79     | 580    | 539    |
| Biodiesel  | ..                            | 37     | 37     | 74     | 37     | 37     |
| <b>Total input</b>                                     | 268933                        | 233786 | 230209 | 281303 | 278340 | 340747 |
| <b>Total production</b>                                | 104944                        | 86796  | 84384  | 108018 | 107651 | 138046 |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 37     | 37     | 38     | 39     | 41     |

Statistics on electricity

Puerto Rico

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 22587                         | 21812  | 21316  | 21160  | 20894  | 16582  |
| Combustible fuels                                      | 22429                         | 21509  | 20969  | 20771  | 20505  | 16212  |
| Hydro  | 125                           | 91     | 81     | 56     | 71     | 51     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 33                            | 213    | 266    | 333    | 318    | *319   |
| Main activity  | 22337                         | 21562  | 21066  | 20910  | 20644  | 16372  |
| Combustible fuels                                      | 22179                         | 21259  | 20719  | 20521  | 20255  | 16002  |
| Hydro  | 125                           | 91     | 81     | 56     | 71     | 51     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 33                            | 213    | 266    | 333    | 318    | *319   |
| Own use in electricity, CHP and heat plants            | 633                           | 553    | 795    | 602    | *594   | *472   |
| Net production   | 21954                         | 21259  | 20522  | 20558  | 20300  | 16110  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | *3498                         | *2906  | *2900  | *3073  | *2988  | *2553  |
| Consumption  | 18456                         | 18353  | 17621  | 17485  | 17312  | 13557  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 2779                          | 2579   | 2338   | 2355   | 2250   | 1741   |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 15676                         | 15774  | 15283  | 15130  | 15062  | 11816  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 6008                          | 6083   | *6097  | *6112  | 6257   | *6257  |
| Combustible fuels                                      | 5800                          | 5800   | *5800  | *5800  | 5900   | *5900  |
| Hydro  | 100                           | 100    | 99     | 99     | 99     | *99    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 108                           | 183    | 198    | 213    | 258    | *258   |
| Main activity  | 5947                          | 6022   | *6036  | *6051  | 6196   | *6196  |
| Combustible fuels                                      | 5739                          | 5739   | *5739  | *5739  | 5839   | *5839  |
| Hydro  | 100                           | 100    | 99     | 99     | 99     | *99    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 108                           | 183    | 198    | 213    | 258    | *258   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 38700                         | 32327  | 36688  | 34133  | 36352  | 24200  |
| Fuel oil   | 138685                        | 111423 | 106688 | 115952 | 102071 | 90116  |
| Natural gas  | 53006                         | 60736  | 60736  | 57717  | 65818  | 54411  |
| <b>Total input</b>                                     | 230391                        | 204487 | 204112 | 207802 | 204241 | 168728 |
| <b>Total production</b>                                | 80743                         | 77431  | 75489  | 74776  | 73819  | 58362  |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 38     | 37     | 36     | 36     | 35     |

## Statistics on electricity

### Qatar

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 34787                         | 34668  | 38692  | 41499  | 42307  | 45555  |
| Combustible fuels                                      | 34787                         | 34668  | 38692  | 41499  | 42307  | 45555  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | 2988                          | 3090   | 3502   | 2501   | 2550   | 2742   |
| Combustible fuels                                      | 2988                          | 3090   | 3502   | 2501   | 2550   | 2742   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 2436                          | 2444   | 2568   | 2647   | 2642   | 2831   |
| Net production   | 32351                         | 32224  | 36124  | 38852  | 39665  | 42724  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 2168                          | 2159   | 2341   | 2475   | 2532   | 2695   |
| Consumption  | 30184                         | 30066  | 33784  | 36378  | 37134  | 40030  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 9798                          | 9944   | 11568  | 11887  | 12026  | 11262  |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 20386                         | 20122  | 22216  | 24491  | 25108  | 28768  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | *8786                         | *8790  | *8791  | *8561  | *8559  | *10170 |
| Combustible fuels                                      | *8786                         | *8790  | *8791  | *8561  | *8559  | *10170 |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | *1318                         | *1318  | *1319  | *1284  | *1284  | *1526  |
| Combustible fuels                                      | *1318                         | *1318  | *1319  | *1284  | *1284  | *1526  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Natural gas  | 341440                        | 442417 | 381028 | 399818 | 407605 | 438866 |
| <b>Total input</b>                                     | 341440                        | 442417 | 381028 | 399818 | 407605 | 438866 |
| <b>Total production</b>                                | 125233                        | 124805 | 139291 | 149396 | 152305 | 163998 |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 28     | 37     | 37     | 37     | 37     |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 3364                          | 2779  | 3573  | 4239  | 4230  | *3174 |
| Combustible fuels                                      | 898                           | 859   | 902   | 885   | 862   | 839   |
| Hydro  | 34                            | 45    | 59    | 50    | 39    | 48    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 2432                          | 1875  | 2612  | 3304  | 3329  | *2287 |
| Main activity  | 3332                          | 2736  | 3503  | 4199  | 4188  | *3119 |
| Combustible fuels                                      | 866                           | 816   | 832   | 845   | 820   | 786   |
| Hydro  | 34                            | 45    | 59    | 50    | 39    | 48    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 2432                          | 1875  | 2612  | 3304  | 3329  | *2285 |
| Own use in electricity, CHP and heat plants            | 129                           | 124   | 126   | 134   | 136   | *135  |
| Net production   | 3235                          | 2655  | 3447  | 4105  | 4094  | *3039 |
| Imports  | 846                           | 1456  | 731   | 18    | 4     | 1134  |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 446                           | 431   | 481   | 393   | 428   | 429   |
| Consumption  | 3636                          | 3682  | 3698  | 3727  | 3667  | 3744  |
| Energy industries own use                              | 166                           | 37    | 49    | 41    | 45    | 40    |
| By industry and construction                           | 845                           | 872   | 906   | 773   | 751   | 764   |
| By transport   | 54                            | 59    | 47    | 49    | 62    | 82    |
| By households and other cons.                          | 2571                          | 2714  | 2696  | 2864  | 2809  | 2858  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 487                           | *1087 | *1083 | *1091 | *1063 | *1077 |
| Combustible fuels                                      | 471                           | 470   | 465   | 473   | 443   | 450   |
| Hydro  | 16                            | 16    | 16    | 16    | 16    | 16    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 0                             | *601  | *602  | *602  | *604  | *611  |
| Main activity  | 346                           | *947  | *948  | *948  | *950  | *953  |
| Combustible fuels                                      | 330                           | 330   | 330   | 330   | 330   | 330   |
| Hydro  | 16                            | 16    | 16    | 16    | 16    | 16    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 0                             | *601  | *602  | *602  | *604  | *607  |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 0                             | 0     | 0     | 0     | 0     | 0     |
| Biogas   | 0                             | 36    | 178   | 401   | 361   | 282   |
| Gas-diesel oil   | 0                             | 0     | 0     | 0     | 0     | 0     |
| Fuel oil   | 485                           | 566   | 485   | 283   | 485   | 404   |
| Other oil products                                     | *8                            | 0     | 0     | 0     | 40    | 0     |
| Natural gas  | 12698                         | 12061 | 12931 | 11874 | 11660 | 11511 |
| Fuelwood   | 0                             | 0     | 0     | 0     | 0     | 0     |
| Vegetal waste  | 0                             | 0     | 0     | 0     | 0     | 0     |
| Industrial waste                                       | 0                             | 0     | 0     | 0     | 0     | 0     |
| <b>Total input</b>                                     | 13191                         | 12663 | 13594 | 12558 | 12546 | 12197 |
| <b>Total production</b>                                | 3233                          | 3092  | 3247  | 3186  | 3103  | 3020  |
| <b>Estimated efficiency (% of production to input)</b> | 25                            | 24    | 24    | 25    | 25    | 25    |

**Statistics on electricity**
**Romania**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 59045                         | 58887  | 65676  | 66296  | 65103  | 64296  |
| Combustible fuels                                      | 32594                         | 27021  | 26903  | 28604  | 26871  | 28673  |
| Hydro  | 12337                         | 15308  | 19280  | 17007  | 18536  | 14853  |
| Nuclear  | 11466                         | 11618  | 11676  | 11640  | 11286  | 11509  |
| Other  | 2648                          | 4940   | 7817   | 9045   | 8410   | 9261   |
| Main activity  | 54793                         | 52368  | 59581  | 58889  | 57978  | 57282  |
| Combustible fuels                                      | 28686                         | 21103  | 21866  | 22215  | 20561  | 22374  |
| Hydro  | 12179                         | 15062  | 18953  | 16603  | 18213  | 14609  |
| Nuclear  | 11466                         | 11618  | 11676  | 11640  | 11286  | 11509  |
| Other  | 2462                          | 4585   | 7086   | 8431   | 7918   | 8790   |
| Own use in electricity, CHP and heat plants            | 5351                          | 4753   | 4977   | 5019   | 4847   | 4941   |
| Net production   | 53694                         | 54134  | 60699  | 61277  | 60256  | 59355  |
| Imports  | 3903                          | 2737   | 2811   | 4492   | 4177   | 4842   |
| Exports  | 3650                          | 4753   | 9937   | 11220  | 9194   | 7735   |
| Losses   | 7062                          | 7021   | 7097   | 7161   | 7125   | 6994   |
| Consumption  | 47213                         | 45408  | 46424  | 47284  | 47802  | 49328  |
| Energy industries own use                              | 4827                          | 4780   | 4519   | 4254   | 4545   | 4627   |
| By industry and construction                           | 20405                         | 18823  | 19855  | 20525  | 20817  | 21725  |
| By transport   | 1228                          | 1126   | 1062   | 1082   | 1048   | 1089   |
| By households and other cons.                          | 20753                         | 20679  | 20988  | 21423  | 21392  | 21887  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 21767                         | 22948  | 23884  | 23830  | 23580  | 23572  |
| Combustible fuels                                      | 11945                         | 11393  | 11323  | 11233  | 11038  | 11067  |
| Hydro  | 6548                          | 6610   | 6613   | 6730   | 6734   | 6691   |
| Nuclear  | 1411                          | 1411   | 1411   | 1411   | 1411   | 1411   |
| Other  | 1863                          | 3534   | 4537   | 4456   | 4397   | 4403   |
| Main activity  | 19707                         | 19664  | 20441  | 20497  | 20416  | 20550  |
| Combustible fuels                                      | 10425                         | 9064   | 8981   | 8895   | 8887   | 8908   |
| Hydro  | 6455                          | 6509   | 6523   | 6619   | 6644   | 6610   |
| Nuclear  | 1411                          | 1411   | 1411   | 1411   | 1411   | 1411   |
| Other  | 1416                          | 2680   | 3526   | 3572   | 3474   | 3621   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Brown Coal   | 276108                        | 208366 | 207524 | 216668 | 190559 | 194600 |
| Biogas   | 183                           | 422    | 597    | 594    | 472    | 470    |
| Gas-diesel oil   | 258                           | 344    | 215    | 129    | 129    | 0      |
| Fuel oil   | 4888                          | 1535   | 889    | 1252   | 1656   | 525    |
| Liquefied petroleum gas                                | 0                             | 0      | 0      | 0      | 0      | 0      |
| Refinery gas   | 5396                          | 3020   | 2525   | 1881   | 5198   | 4257   |
| Petroleum coke   | ..                            | ..     | ..     | ..     | 3250   | 3608   |
| Natural gas  | 116627                        | 102871 | 95207  | 109341 | 114034 | 121683 |
| Blast furnace gas                                      | 235                           | 449    | 690    | 1265   | 1336   | 1024   |
| Fuelwood   | 1772                          | 1947   | 5005   | 5383   | 6034   | 6471   |
| Others   | 2935                          | 4022   | 4545   | 4143   | 2      | 0      |
| <b>Total input</b>                                     | 408401                        | 322976 | 317196 | 340656 | 322670 | 332637 |
| <b>Total production</b>                                | 117338                        | 97276  | 96851  | 102974 | 96736  | 103223 |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 30     | 31     | 30     | 30     | 31     |

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

| Item   | 2012                          | 2013     | 2014     | 2015     | 2016    | 2017    |
|--|-------------------------------|----------|----------|----------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |          |          |          |         |         |
| Total main activity and autoproducer                   | 1070734                       | 1059092  | 1064207  | 1067544  | 1090973 | 1094288 |
| Combustible fuels                                      | 725399                        | 703481   | 705598   | 701220   | 706663  | 702881  |
| Hydro  | 167319                        | 182654   | 177141   | 169914   | 186640  | 187131  |
| Nuclear  | 177534                        | 172508   | 180757   | 195470   | 196614  | 203143  |
| Other  | 482                           | 449      | 711      | 940      | 1056    | 1133    |
| Main activity  | 1003553                       | 994597   | 997475   | 995548   | 1016191 | 1021908 |
| Combustible fuels                                      | 659241                        | 640434   | 640412   | 630719   | 633211  | 631728  |
| Hydro  | 166296                        | 181206   | 175595   | 168419   | 185310  | 185904  |
| Nuclear  | 177534                        | 172508   | 180757   | 195470   | 196614  | 203143  |
| Other  | 482                           | 449      | 711      | 940      | 1056    | 1133    |
| Own use in electricity, CHP and heat plants            | 69232                         | 64342    | 69550    | 75596    | 70201   | 70588   |
| Net production   | 1001502                       | 994750   | 994657   | 991948   | 1020772 | 1023700 |
| Imports  | 2661                          | 4706     | 6623     | 6586     | 3194    | 6410    |
| Exports  | 19143                         | 18382    | 14671    | 18244    | 17694   | 17007   |
| Losses   | 106667                        | 106994   | 106567   | 106553   | 107247  | 105261  |
| Consumption  | 876939                        | 874080   | 880042   | 873737   | 895387  | 904085  |
| Energy industries own use                              | 136654                        | 129989   | 142212   | 147419   | 154341  | 143201  |
| By industry and construction                           | 338608                        | 336692   | 333701   | 329000   | 326343  | 338785  |
| By transport   | 92041                         | 90559    | 90256    | 82120    | 82569   | 77586   |
| By households and other cons.                          | 309636                        | 316840   | 313873   | 315198   | 332134  | 344513  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |          |          |          |         |         |
| Total main activity and autoproducer                   | 232685                        | 239423   | 259020   | 257075   | 266526  | 272448  |
| Combustible fuels                                      | 157845                        | 163926   | 182465   | 179148   | 187611  | 190586  |
| Hydro  | 49445                         | 50104    | 50845    | 50998    | 51016   | 53164   |
| Nuclear  | 25304                         | 25304    | 25304    | 26304    | 27189   | 27952   |
| Other  | 91                            | 89       | 406      | 625      | 710     | 746     |
| Main activity  | 214320                        | 219789   | 233660   | 232223   | 240357  | 247045  |
| Combustible fuels                                      | 139784                        | 144744   | 157592   | 154773   | 161892  | 165768  |
| Hydro  | 49141                         | 49652    | 50358    | 50521    | 50566   | 52579   |
| Nuclear  | 25304                         | 25304    | 25304    | 26304    | 27189   | 27952   |
| Other  | 91                            | 89       | 406      | 625      | 710     | 746     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |          |          |          |         |         |
| Hard Coal  | 1704144                       | 1412388  | 1319217  | 1468222  | 1443157 | 1428813 |
| Brown Coal   | 947024                        | 908342   | 857293   | 969909   | 916234  | 925259  |
| Peat   | 6886                          | 12098    | 11041    | 5790     | 7264    | 5112    |
| Crude oil  | 465                           | 381      | 296      | 296      | 508     | 2073    |
| Gas-diesel oil   | 59727                         | 56373    | 58480    | 62823    | 50224   | 57405   |
| Fuel oil   | 332977                        | 82820    | 90658    | 96798    | 83386   | 44521   |
| Natural gas  | 8031618                       | 8427679  | 7890479  | 7522764  | 7260211 | 7154601 |
| Coke-oven gas  | 70030                         | 70600    | 69246    | 69503    | 68586   | 64978   |
| Blast furnace gas                                      | 42842                         | 51219    | 52344    | 56294    | 52739   | 63194   |
| Industrial waste                                       | 79347                         | 80246    | 82455    | 85289    | 90771   | 90703   |
| Others   | 3002                          | 2763     | 2935     | 2999     | 3478    | 2895    |
| <b>Total input</b>                                     | 11278062                      | 11104908 | 10434444 | 10340686 | 9976558 | 9839553 |
| <b>Total production</b>                                | 2611436                       | 2532532  | 2540153  | 2524392  | 2543987 | 2530372 |
| <b>Estimated efficiency (% of production to input)</b> | 23                            | 23       | 24       | 24       | 25      | 26      |

## Statistics on electricity

### Rwanda

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 395                           | 415   | 478   | 526   | 636   | 698   |
| Combustible fuels                                      | 213                           | 267   | 268   | 228   | 344   | 354   |
| Hydro  | 182                           | 148   | 205   | 284   | 278   | 328   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 0                             | 0     | 5     | 14    | 14    | 16    |
| Main activity  | 393                           | 413   | 476   | 524   | 634   | 696   |
| Combustible fuels                                      | 211                           | 265   | 266   | 226   | 342   | 352   |
| Hydro  | 182                           | 148   | 205   | 284   | 278   | 328   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 0                             | 0     | 5     | 14    | 14    | 16    |
| Own use in electricity, CHP and heat plants            | 26                            | 26    | 40    | 13    | 2     | 25    |
| Net production   | 369                           | 389   | 438   | 512   | 634   | 673   |
| Imports  | 91                            | 94    | 90    | 83    | 78    | 86    |
| Exports  | 3                             | 0     | 4     | 3     | 4     | 4     |
| Losses   | *78                           | *95   | *86   | 121   | 145   | 149   |
| Consumption  | 380                           | 388   | 438   | 419   | *560  | 596   |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 77                            | 79    | 83    | 96    | *150  | 149   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 302                           | 309   | 355   | 322   | *410  | 447   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 100                           | 104   | 141   | 171   | 192   | 216   |
| Combustible fuels                                      | 51                            | 51    | 51    | 81    | 98    | 103   |
| Hydro  | 49                            | 52    | 80    | 80    | 84    | 101   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 0                             | 0     | 9     | 9     | 9     | 12    |
| Main activity  | 100                           | 104   | 141   | 171   | 192   | 216   |
| Combustible fuels                                      | 51                            | 51    | 51    | 81    | 98    | 103   |
| Hydro  | 49                            | 52    | 80    | 80    | 84    | 101   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 0                             | 0     | 9     | 9     | 9     | 12    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *2081                         | *2623 | *2580 | *2081 | *2064 | *2967 |
| Natural gas  | *91                           | *102  | *161  | *240  | *1100 | *753  |
| Bagasse  | *36                           | *36   | *36   | *36   | *36   | *36   |
| <b>Total input</b>                                     | *2208                         | *2761 | *2777 | *2358 | *3200 | *3756 |
| <b>Total production</b>                                | 768                           | 961   | 966   | 820   | 1238  | 1273  |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 35    | 35    | 35    | 39    | 34    |

## Statistics on electricity

### Samoa

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 112                           | 113  | 125  | 131  | 149  | *148 |
| Combustible fuels                                      | 75                            | 80   | 95   | 97   | 101  | *98  |
| Hydro  | 37                            | 32   | 30   | 31   | 33   | *33  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | 0    | 4    | 16   | *17  |
| Main activity  | 112                           | 113  | 125  | 131  | 149  | *148 |
| Combustible fuels                                      | 75                            | 80   | 95   | 97   | 101  | *98  |
| Hydro  | 37                            | 32   | 30   | 31   | 33   | *33  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | 0    | 4    | 16   | *17  |
| Own use in electricity, CHP and heat plants            | 2                             | 2    | 3    | 3    | 3    | *3   |
| Net production   | 110                           | 111  | 123  | 129  | 147  | *145 |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *17                           | *17  | *15  | *12  | *12  | *12  |
| Consumption  | 93                            | 93   | 107  | 116  | 134  | *133 |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 6                             | 6    | 8    | 9    | 6    | *6   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 87                            | 87   | 100  | 107  | 129  | *127 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *42                           | *42  | 38   | *43  | *45  | *47  |
| Combustible fuels                                      | *30                           | *30  | 26   | *25  | *26  | *26  |
| Hydro  | *12                           | *12  | 12   | 11   | *11  | *12  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | *1   | 7    | *9   | *9   |
| Main activity  | *39                           | *39  | 36   | *40  | *43  | *44  |
| Combustible fuels                                      | *27                           | *27  | 23   | *23  | *23  | *23  |
| Hydro  | *12                           | *12  | 12   | 11   | *11  | *12  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | *1   | 7    | *9   | *9   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 757                           | 791  | 920  | 882  | *929 | *946 |
| <b>Total input</b>                                     | 757                           | 791  | 920  | 882  | *929 | *946 |
| <b>Total production</b>                                | 271                           | 289  | 341  | 348  | 363  | *353 |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 37   | 37   | 40   | 39   | 37   |



**Statistics on electricity**
**Sao Tome and Principe**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 77                            | 71   | *77  | *81  | 86   | *90  |
| Combustible fuels                                      | 71                            | 65   | *70  | *75  | 79   | *83  |
| Hydro  | 6                             | 6    | 8    | 7    | *7   | *7   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 77                            | 71   | *77  | *81  | 86   | *90  |
| Combustible fuels                                      | 71                            | 65   | *70  | *75  | 79   | *83  |
| Hydro  | 6                             | 6    | 8    | 7    | *7   | *7   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 10                            | 4    | *5   | *6   | *6   | *6   |
| Net production   | 67                            | 67   | *73  | *76  | 80   | *84  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *16                           | *16  | *15  | *12  | 12   | *12  |
| Consumption  | *51                           | *51  | *58  | *64  | *69  | *72  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *51                           | *51  | *58  | *64  | *69  | *72  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *23                           | *23  | *23  | *26  | *27  | *29  |
| Combustible fuels                                      | *21                           | *21  | *21  | *24  | *25  | *26  |
| Hydro  | 2                             | 2    | 2    | 2    | 2    | 3    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | *23                           | *23  | *23  | *26  | *27  | *29  |
| Combustible fuels                                      | *21                           | *21  | *21  | *24  | *25  | *26  |
| Hydro  | 2                             | 2    | 2    | 2    | 2    | 3    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 679                           | 718  | *624 | *648 | *675 | *710 |
| <b>Total input</b>                                     | 679                           | 718  | *624 | *648 | *675 | *710 |
| <b>Total production</b>                                | 254                           | 234  | *251 | *268 | 286  | *300 |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 33   | 40   | 41   | 42   | 42   |

**Statistics on electricity**
**Saudi Arabia**

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017     |
|--|-------------------------------|---------|---------|---------|---------|----------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |          |
| Total main activity and autoproducer                   | 271666                        | 284010  | 311804  | 338331  | 345104  | 355079   |
| Combustible fuels                                      | 271665                        | 284009  | 311803  | 338330  | 345103  | 355075   |
| Hydro  | ..                            | ..      | ..      | ..      | ..      | ..       |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..       |
| Other  | 1                             | 1       | 1       | 1       | 1       | 4        |
| Main activity  | 216840                        | 226114  | 251728  | 263510  | 260614  | 264936   |
| Combustible fuels                                      | 216839                        | 226113  | 251727  | 263509  | 260613  | 264932   |
| Hydro  | ..                            | ..      | ..      | ..      | ..      | ..       |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..       |
| Other  | 1                             | 1       | 1       | 1       | 1       | 4        |
| Own use in electricity, CHP and heat plants            | 6826                          | 6562    | 7568    | 7970    | 8010    | 9354     |
| Net production   | 264840                        | 277448  | 304236  | 330361  | 337094  | 345725   |
| Imports  | 416                           | 434     | 466     | 461     | 343     | 3        |
| Exports  | 470                           | 482     | 515     | 512     | 1062    | 38       |
| Losses   | 23780                         | 20017   | 21144   | 25596   | 26186   | 32423    |
| Consumption  | 241074                        | 257438  | 283096  | 296945  | 297107  | 289017   |
| Energy industries own use                              | 9767                          | 9212    | 10981   | 12327   | 13459   | 13731    |
| By industry and construction                           | 32075                         | 41947   | 48442   | 41429   | 40128   | 33500    |
| By transport   | ..                            | ..      | ..      | ..      | ..      | ..       |
| By households and other cons.                          | 199232                        | 206279  | 223673  | 243189  | 243520  | 241786   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |          |
| Total main activity and autoproducer                   | 53589                         | 58463   | 65507   | 69156   | 74703   | 80474    |
| Combustible fuels                                      | 53588                         | 58462   | 65506   | 69155   | 74702   | 80471    |
| Hydro  | ..                            | ..      | ..      | ..      | ..      | ..       |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..       |
| Other  | 1                             | 1       | 1       | 1       | 1       | 3        |
| Main activity  | 45363                         | 50040   | 55340   | 58177   | 62579   | 65848    |
| Combustible fuels                                      | 45362                         | 50039   | 55339   | 58176   | 62578   | 65845    |
| Hydro  | ..                            | ..      | ..      | ..      | ..      | ..       |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..       |
| Other  | 1                             | 1       | 1       | 1       | 1       | 3        |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |          |
| Crude oil  | 920575                        | 812710  | 952384  | 983602  | *937537 | *1029066 |
| Gas-diesel oil   | 575383                        | 592540  | 541155  | 539779  | 474419  | 462938   |
| Fuel oil   | 178164                        | 181234  | 262398  | 287608  | 315241  | 186365   |
| Natural gas  | 1538835                       | 1751556 | 1801750 | 2194514 | 2322614 | 2435112  |
| <b>Total input</b>                                     | 3212957                       | 3338040 | 3557688 | 4005503 | 4049811 | 4113481  |
| <b>Total production</b>                                | 977994                        | 1022432 | 1122491 | 1217988 | 1242371 | 1278270  |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 31      | 32      | 30      | 31      | 31       |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 2917                          | 3253  | 3575  | 3818  | 4097  | 4493  |
| Combustible fuels                                      | 2917                          | 3185  | 3542  | 3779  | 4044  | 4360  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | 68    | 33    | 39    | 53    | 133   |
| Main activity  | 1421                          | 2730  | 2909  | 3105  | 3239  | 3502  |
| Combustible fuels                                      | 1421                          | 2730  | 2909  | 3105  | 3239  | 3502  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 41                            | 39    | 49    | 54    | 54    | 60    |
| Net production   | 2876                          | 3214  | 3526  | 3764  | 4043  | 4433  |
| Imports  | 290                           | 308   | 318   | 333   | 360   | 337   |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 302                           | 593   | 599   | 631   | 670   | 718   |
| Consumption  | 2313                          | 3079  | 3245  | 3466  | 3734  | 3952  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 858                           | 846   | 836   | 951   | 1073  | 1149  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 1455                          | 2233  | 2409  | 2515  | 2661  | 2803  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 854                           | *854  | *875  | 886   | *893  | 1017  |
| Combustible fuels                                      | 854                           | *802  | *823  | 834   | *840  | 884   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | *52   | *52   | *52   | *53   | 133   |
| Main activity  | 489                           | *489  | *489  | 508   | *510  | 554   |
| Combustible fuels                                      | 489                           | *489  | *489  | 508   | *510  | 554   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 8686                          | 5891  | 6321  | 4945  | 2365  | 1806  |
| Fuel oil   | 18099                         | 21735 | 23715 | 26179 | 28684 | 28159 |
| Natural gas  | 1083                          | 1519  | 1466  | 946   | 878   | 736   |
| Bagasse  | *2229                         | *1370 | *1430 | *1522 | *2621 | *2810 |
| <b>Total input</b>                                     | 30097                         | 30515 | 32932 | 33592 | 34548 | 33511 |
| <b>Total production</b>                                | 10501                         | 11466 | 12751 | 13604 | 14558 | 15696 |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 38    | 39    | 40    | 42    | 47    |

## Statistics on electricity

### Serbia

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 36799                         | 39877  | 34060  | 38298  | 39342  | 37045  |
| Combustible fuels                                      | 26885                         | 29024  | 22437  | 27504  | 27784  | 27232  |
| Hydro  | 9914                          | 10853  | 11617  | 10783  | 11520  | 9752   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | 6      | 11     | 38     | 62     |
| Main activity  | 36628                         | 39675  | 33771  | 37980  | 38889  | 36519  |
| Combustible fuels                                      | 26714                         | 28822  | 22148  | 27186  | 27331  | 26705  |
| Hydro  | 9914                          | 10853  | 11617  | 10783  | 11520  | 9752   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | 6      | 11     | 38     | 62     |
| Own use in electricity, CHP and heat plants            | 2597                          | 2707   | 2161   | 2659   | 2714   | 2747   |
| Net production   | 34202                         | 37170  | 31899  | 35639  | 36628  | 34299  |
| Imports  | 5781                          | 4077   | 7008   | 6303   | 5068   | 6549   |
| Exports  | 5392                          | 6614   | 5445   | 7221   | 6990   | 5724   |
| Losses   | 5609                          | 5501   | 5163   | 5169   | 4808   | 4806   |
| Consumption  | 28982                         | 29132  | 28299  | 29552  | 29898  | 30317  |
| Energy industries own use                              | 1642                          | 2057   | 2074   | 2363   | 2296   | 2193   |
| By industry and construction                           | 7104                          | 7251   | 7223   | 7539   | 8001   | 8402   |
| By transport   | 492                           | 478    | 336    | 351    | 352    | 375    |
| By households and other cons.                          | 19744                         | 19346  | 18666  | 19299  | 19249  | 19347  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 7204                          | 7163   | 7326   | 7358   | 7410   | 7416   |
| Combustible fuels                                      | 4349                          | 4232   | 4303   | 4327   | 4352   | 4343   |
| Hydro  | 2855                          | 2931   | 3017   | 3022   | 3030   | 3038   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | 6      | 9      | 28     | 35     |
| Main activity  | 7144                          | 7102   | 7249   | 7281   | 7281   | 7296   |
| Combustible fuels                                      | 4289                          | 4171   | 4226   | 4250   | 4223   | 4223   |
| Hydro  | 2855                          | 2931   | 3017   | 3022   | 3030   | 3038   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | 6      | 9      | 28     | 35     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 0                             | 140    | 0      | 0      | 0      | 0      |
| Brown Coal   | 290771                        | 304399 | 233364 | 291528 | 289300 | 286828 |
| Lignite briquettes                                     | 736                           | 667    | 389    | 705    | 726    | 717    |
| Biogas   | 39                            | 171    | 126    | 140    | 210    | 398    |
| Gas-diesel oil   | 0                             | 0      | 0      | 0      | 0      | 1      |
| Fuel oil   | 444                           | 485    | 323    | 40     | 81     | 58     |
| Natural gas  | 8588                          | 8033   | 7087   | 4997   | 5331   | 7478   |
| Blast furnace gas                                      | 991                           | 1142   | 1841   | 3071   | 3929   | 4249   |
| Fuelwood   | 0                             | 78     | 78     | 100    | 90     | 81     |
| Industrial waste                                       | 0                             | 12     | 17     | 15     | 23     | 43     |
| Others   | 0                             | 40     | 0      | 0      | 0      | 0      |
| <b>Total input</b>                                     | 301569                        | 315167 | 243225 | 300597 | 299689 | 299853 |
| <b>Total production</b>                                | 96786                         | 104486 | 80773  | 99014  | 100022 | 98034  |
| <b>Estimated efficiency (% of production to input)</b> | 32                            | 33     | 33     | 33     | 33     | 33     |

**Statistics on electricity**
**Seychelles**

| Item   | 2012                          | 2013 | 2014  | 2015 | 2016 | 2017 |
|--|-------------------------------|------|-------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |       |      |      |      |
| Total main activity and autoproducer                   | 415                           | 435  | 445   | 462  | 496  | 513  |
| Combustible fuels                                      | 415                           | 428  | 438   | 454  | 487  | 503  |
| Hydro  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Other  | ..                            | 7    | 8     | 8    | 9    | 10   |
| Main activity  | 336                           | 354  | 363   | 378  | 409  | 424  |
| Combustible fuels                                      | 336                           | 347  | 355   | 369  | 400  | 414  |
| Hydro  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Other  | ..                            | 7    | 8     | 8    | 9    | 10   |
| Own use in electricity, CHP and heat plants            | *9                            | *10  | *10   | *12  | *12  | *12  |
| Net production   | 406                           | 425  | 435   | 450  | 484  | 501  |
| Imports  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Losses   | 40                            | 40   | 41    | *33  | *32  | *30  |
| Consumption  | 392                           | *388 | *395  | *409 | *452 | *470 |
| Energy industries own use                              | ..                            | ..   | ..    | ..   | ..   | ..   |
| By industry and construction                           | *181                          | *193 | *198  | *204 | *226 | *230 |
| By transport   | ..                            | ..   | ..    | ..   | ..   | ..   |
| By households and other cons.                          | 211                           | *194 | *197  | *205 | *226 | *239 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |       |      |      |      |
| Total main activity and autoproducer                   | 105                           | 112  | 114   | 116  | *137 | 155  |
| Combustible fuels                                      | 105                           | 106  | 107   | 110  | *129 | 146  |
| Hydro  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Other  | 0                             | 6    | 7     | 7    | 8    | 10   |
| Main activity  | 79                            | 85   | 87    | 89   | *108 | 126  |
| Combustible fuels                                      | 79                            | 79   | 80    | 82   | *100 | 116  |
| Hydro  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..    | ..   | ..   | ..   |
| Other  | 0                             | 6    | 7     | 7    | 8    | 10   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |       |      |      |      |
| Gas-diesel oil   | 886                           | 899  | *916  | *920 | *942 | *972 |
| Fuel oil   | 2640                          | 2705 | *2784 | 3341 | 3600 | 3697 |
| <b>Total input</b>                                     | 3526                          | 3604 | *3699 | 4261 | 4541 | 4668 |
| <b>Total production</b>                                | 1493                          | 1541 | 1575  | 1634 | 1751 | 1812 |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 43   | 43    | 38   | 39   | 39   |

Statistics on electricity

Sierra Leone

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 179                           | 164  | 181  | *260 | *303 | *303 |
| Combustible fuels                                      | 61                            | 59   | 63   | *71  | *84  | *84  |
| Hydro  | 118                           | 105  | 118  | *189 | *219 | *219 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 179                           | 164  | 181  | *256 | *299 | *299 |
| Combustible fuels                                      | 61                            | 59   | 63   | *67  | *80  | *80  |
| Hydro  | 118                           | 105  | 118  | *189 | *219 | *219 |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 2    | *3   | *3   | *3   |
| Net production   | 178                           | 164  | 178  | *257 | *300 | *300 |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 78                            | 95   | 78   | *80  | *90  | *90  |
| Consumption  | 100                           | 69   | 86   | *177 | *210 | *210 |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 32                            | 29   | 35   | *68  | *78  | *78  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 67                            | 40   | 52   | *109 | *132 | *132 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 77                            | 77   | 77   | 133  | 137  | *137 |
| Combustible fuels                                      | 27                            | 27   | 27   | 77   | 77   | *77  |
| Hydro  | 50                            | 50   | 50   | 56   | 60   | *60  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 0    | 0    | 0    |
| Main activity  | 77                            | 77   | 77   | 133  | 137  | *137 |
| Combustible fuels                                      | 27                            | 27   | 27   | 77   | 77   | *77  |
| Hydro  | 50                            | 50   | 50   | 56   | 60   | *60  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 0    | 0    | 0    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *688                          | *688 | *731 | *774 | *860 | *903 |
| Vegetal waste  | ..                            | ..   | ..   | *72  | *72  | *72  |
| <b>Total input</b>                                     | *688                          | *688 | *731 | *846 | *932 | *975 |
| <b>Total production</b>                                | 218                           | 212  | 225  | *257 | *301 | *302 |
| <b>Estimated efficiency (% of production to input)</b> | 32                            | 31   | 31   | 30   | 32   | 31   |

**Statistics on electricity**
**Singapore**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 46949                         | 47980  | 49348  | 50341  | 51733  | 52394  |
| Combustible fuels                                      | 46936                         | 47963  | 49310  | 50272  | 51587  | 52225  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 13                            | 17     | 38     | 69     | 146    | 169    |
| Main activity  | 45232                         | 45177  | 46374  | 47100  | 48212  | 48404  |
| Combustible fuels                                      | 45219                         | 45160  | 46336  | 47031  | 48066  | 48235  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 13                            | 17     | 38     | 69     | 146    | 169    |
| Own use in electricity, CHP and heat plants            | 13                            | 17     | 38     | 70     | 146    | 169    |
| Net production   | 46936                         | 47963  | 49310  | 50271  | 51587  | 52225  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 2289                          | 2383   | 2548   | 2428   | 2431   | 2416   |
| Consumption  | 44201                         | 44949  | 46403  | 47514  | 48626  | 49578  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | *18572                        | *18843 | *19753 | *20088 | *20418 | *21451 |
| By transport   | 2329                          | 2369   | 2441   | 2445   | 2640   | 2751   |
| By households and other cons.                          | 23300                         | 23737  | 24209  | 24981  | 25568  | 25377  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 10304                         | 11258  | 12919  | 13059  | 13445  | 13612  |
| Combustible fuels                                      | 10296                         | 11246  | 12894  | 13013  | 13348  | 13500  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 8                             | 12     | 26     | 46     | 97     | 112    |
| Main activity  | 9990                          | 10935  | 12571  | 12641  | 13027  | 13043  |
| Combustible fuels                                      | 9982                          | 10923  | 12545  | 12595  | 12931  | 12931  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 8                             | 12     | 26     | 46     | 97     | 112    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 80                            | 5631   | 9600   | 10714  | 10851  | 12464  |
| Gas-diesel oil   | 5762                          | 1075   | 86     | 43     | 1380   | 43     |
| Fuel oil   | 49732                         | 19917  | 2586   | 1939   | 2424   | 4537   |
| Refinery gas   | 12227                         | 10841  | 8366   | 7821   | 3119   | 2822   |
| Natural gas  | 282051                        | 317941 | 337803 | 341573 | 350194 | 352198 |
| Bagasse  | ..                            | 1130   | 1863   | 2654   | 2902   | 2851   |
| Municipal waste  | 26008                         | 26917  | 27063  | 27830  | 27436  | 26742  |
| <b>Total input</b>                                     | 375860                        | 383452 | 387367 | 392574 | 398305 | 401656 |
| <b>Total production</b>                                | 168970                        | 172668 | 177515 | 180977 | 185712 | 188011 |
| <b>Estimated efficiency (% of production to input)</b> | 45                            | 45     | 46     | 46     | 47     | 47     |

**Statistics on electricity**
**Sint Maarten (Dutch part)**

| Item   | 2012                          | 2013 | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |       |       |       |       |
| Total main activity and autoproducer                   | *342                          | 355  | *358  | *369  | *376  | *346  |
| Combustible fuels                                      | *342                          | 355  | *358  | *369  | *376  | *346  |
| Hydro  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Main activity  | *342                          | 355  | *358  | *369  | *376  | *346  |
| Combustible fuels                                      | *342                          | 355  | *358  | *369  | *376  | *346  |
| Hydro  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0     | 0     | 0     | 0     |
| Net production   | *342                          | 355  | *358  | *369  | *376  | *346  |
| Imports  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Losses   | *31                           | 32   | *32   | *33   | *34   | *51   |
| Consumption  | 312                           | 323  | 326   | 336   | 342   | *268  |
| Energy industries own use                              | ..                            | ..   | ..    | ..    | ..    | ..    |
| By industry and construction                           | 57                            | 58   | 53    | 58    | 60    | *52   |
| By transport   | ..                            | ..   | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 254                           | 265  | 272   | 278   | 283   | *216  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |       |       |       |       |
| Total main activity and autoproducer                   | 97                            | 97   | 97    | 97    | 97    | *88   |
| Combustible fuels                                      | 97                            | 97   | 97    | 97    | 97    | *88   |
| Hydro  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Main activity  | 97                            | 97   | 97    | 97    | 97    | *88   |
| Combustible fuels                                      | 97                            | 97   | 97    | 97    | 97    | *88   |
| Hydro  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..   | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |       |       |       |       |
| Fuel oil   | *3091                         | 3167 | *3248 | *3361 | *3470 | *3297 |
| <b>Total input</b>                                     | *3091                         | 3167 | *3248 | *3361 | *3470 | *3297 |
| <b>Total production</b>                                | *1232                         | 1279 | *1288 | *1328 | *1353 | *1245 |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 40   | 40    | 40    | 39    | 38    |



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

| Item   | 2012                          | 2013   | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|--------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |       |       |       |       |
| Total main activity and autoproducer                   | 28664                         | 28832  | 27401 | 26903 | 27064 | 27738 |
| Combustible fuels                                      | 8231                          | 7283   | 6719  | 7008  | 7015  | 7367  |
| Hydro  | 4439                          | 5166   | 4462  | 4137  | 4606  | 4623  |
| Nuclear  | 15495                         | 15720  | 15499 | 15146 | 14774 | 15081 |
| Other  | 499                           | 663    | 721   | 612   | 669   | 667   |
| Main activity  | 26128                         | 26362  | 24361 | 23835 | 23980 | 24646 |
| Combustible fuels                                      | 6192                          | 5458   | 4402  | 4489  | 4542  | 4862  |
| Hydro  | 4351                          | 5060   | 4346  | 4052  | 4508  | 4523  |
| Nuclear  | 15495                         | 15720  | 15499 | 15146 | 14774 | 15081 |
| Other  | 90                            | 124    | 114   | 148   | 156   | 180   |
| Own use in electricity, CHP and heat plants            | 2527                          | 1660   | 2394  | 2145  | 2067  | 2046  |
| Net production   | 26137                         | 27172  | 25007 | 24758 | 24997 | 25692 |
| Imports  | 13472                         | 10719  | 12964 | 14999 | 13249 | 15563 |
| Exports  | 13079                         | 10628  | 11862 | 12611 | 10598 | 12535 |
| Losses   | 1274                          | 760    | 667   | 1363  | 1332  | 1263  |
| Consumption  | 25237                         | 26491  | 25426 | 25768 | 26300 | 27434 |
| Energy industries own use                              | 1300                          | 1407   | 1269  | 1397  | 1313  | 1631  |
| By industry and construction                           | 11908                         | 11785  | 12237 | 11605 | 12085 | 12356 |
| By transport   | 560                           | 567    | 574   | 602   | 607   | 586   |
| By households and other cons.                          | 11469                         | 12732  | 11346 | 12164 | 12295 | 12861 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |       |       |       |       |
| Total main activity and autoproducer                   | 8412                          | 8458   | 8092  | 7782  | 7742  | 7670  |
| Combustible fuels                                      | 3416                          | 3432   | 3068  | 2754  | 2710  | 2645  |
| Hydro  | 2522                          | 2523   | 2523  | 2522  | 2524  | 2523  |
| Nuclear  | 1939                          | 1940   | 1940  | 1940  | 1940  | 1940  |
| Other  | 535                           | 563    | 561   | 566   | 568   | 562   |
| Main activity  | 7370                          | 7385   | 6947  | 6658  | 6643  | 6595  |
| Combustible fuels                                      | 2833                          | 2847   | 2411  | 2119  | 2106  | 2012  |
| Hydro  | 2493                          | 2493   | 2493  | 2495  | 2493  | 2493  |
| Nuclear  | 1939                          | 1940   | 1940  | 1940  | 1940  | 1940  |
| Other  | 105                           | 105    | 103   | 104   | 104   | 150   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |       |       |       |       |
| Hard Coal  | 18850                         | 17031  | 15816 | 14279 | 14739 | 17425 |
| Brown Coal   | 30437                         | 28653  | 27261 | 28042 | 31222 | 24380 |
| Biogas   | 1776                          | 2072   | 3857  | 4574  | 4991  | 5040  |
| Fuel oil   | 10262                         | 8928   | 6504  | 8201  | 9534  | 8646  |
| Natural gas  | 28153                         | 26454  | 19005 | 19379 | 18955 | 20306 |
| Coke-oven gas  | 1095                          | 887    | 961   | 1277  | 1077  | 1136  |
| Blast furnace gas                                      | 1857                          | 1697   | 1661  | 1438  | 1328  | 1742  |
| Fuelwood   | *8488                         | *7809  | *6809 | *7284 | 9237  | *9047 |
| Municipal waste  | 950                           | 735    | 775   | 1090  | 1236  | 1217  |
| Black liquor   | *7629                         | *8055  | *6297 | *5549 | *5645 | *5831 |
| Others   | 1260                          | 2485   | 2390  | *4223 | 1791  | 2522  |
| <b>Total input</b>                                     | 110756                        | 104806 | 91336 | 95336 | 99755 | 97292 |
| <b>Total production</b>                                | 29632                         | 26219  | 24188 | 25229 | 25254 | 26521 |
| <b>Estimated efficiency (% of production to input)</b> | 27                            | 25     | 26    | 26    | 25    | 27    |

## Statistics on electricity

### Slovenia

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 15736                         | 16103 | 17437 | 15100 | 16500 | 16326 |
| Combustible fuels                                      | 5958                          | 5661  | 4440  | 5081  | 5730  | 5610  |
| Hydro  | 4087                          | 4923  | 6366  | 4091  | 4782  | 4141  |
| Nuclear  | 5528                          | 5300  | 6370  | 5648  | 5715  | 6285  |
| Other  | 163                           | 219   | 261   | 280   | 273   | 290   |
| Main activity  | 15202                         | 15481 | 16688 | 14412 | 15746 | 15596 |
| Combustible fuels                                      | 5707                          | 5414  | 4169  | 4813  | 5463  | 5345  |
| Hydro  | 3961                          | 4757  | 6138  | 3937  | 4555  | 3952  |
| Nuclear  | 5528                          | 5300  | 6370  | 5648  | 5715  | 6285  |
| Other  | 6                             | 10    | 11    | 14    | 13    | 14    |
| Own use in electricity, CHP and heat plants            | 1031                          | 986   | 951   | 913   | 954   | 929   |
| Net production   | 14705                         | 15117 | 16486 | 14187 | 15546 | 15397 |
| Imports  | 7452                          | 7521  | 7254  | 9045  | 8359  | 9133  |
| Exports  | 8491                          | 8811  | 9997  | 9093  | 9535  | 9648  |
| Losses   | 875                           | 848   | 821   | 864   | 876   | 893   |
| Consumption  | 12791                         | 12979 | 12922 | 13275 | 13493 | 13987 |
| Energy industries own use                              | 363                           | 500   | 463   | 487   | 468   | 458   |
| By industry and construction                           | 5922                          | 5878  | 6057  | 6199  | 6234  | 6445  |
| By transport   | 159                           | 154   | 136   | 152   | 166   | 233   |
| By households and other cons.                          | 6347                          | 6447  | 6266  | 6437  | 6625  | 6851  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 3351                          | 3434  | 3454  | 3360  | 3536  | 3619  |
| Combustible fuels                                      | 1267                          | 1256  | 1242  | 1133  | 1318  | 1332  |
| Hydro  | 1254                          | 1299  | 1296  | 1295  | 1293  | 1347  |
| Nuclear  | 688                           | 688   | 688   | 688   | 688   | 688   |
| Other  | 142                           | 191   | 228   | 244   | 237   | 252   |
| Main activity  | 3058                          | 3095  | 3070  | 2965  | 3148  | 3217  |
| Combustible fuels                                      | 1227                          | 1214  | 1192  | 1086  | 1272  | 1286  |
| Hydro  | 1138                          | 1183  | 1180  | 1179  | 1177  | 1231  |
| Nuclear  | 688                           | 688   | 688   | 688   | 688   | 688   |
| Other  | 5                             | 10    | 10    | 12    | 11    | 12    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 76                            | 131   | 101   | 135   | 136   | 110   |
| Brown Coal   | 56744                         | 53877 | 42032 | 42634 | 40630 | 45719 |
| Biogas   | 1497                          | 1357  | 1203  | 1163  | 1196  | 1024  |
| Gas-diesel oil   | 129                           | 86    | 344   | 172   | 86    | 86    |
| Fuel oil   | 0                             | 0     | 0     | 0     | ..    | ..    |
| Liquefied petroleum gas                                | ..                            | ..    | ..    | ..    | ..    | 47    |
| Natural gas  | 5158                          | 4824  | 3153  | 3588  | 3638  | 4299  |
| Fuelwood   | *1380                         | *1495 | *1467 | *1761 | *1744 | *1995 |
| Industrial waste                                       | 316                           | 310   | 321   | 330   | 357   | 375   |
| Biodiesel  | ..                            | ..    | 37    | 37    | 37    | 37    |
| <b>Total input</b>                                     | 65300                         | 62080 | 48658 | 49819 | 47824 | 53692 |
| <b>Total production</b>                                | 21449                         | 20380 | 15984 | 18292 | 20628 | 20196 |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 33    | 33    | 37    | 43    | 38    |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017 |
|--|-------------------------------|-------|-------|-------|-------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |      |
| Total main activity and autoproducer                   | 83                            | 89    | 94    | 97    | 104   | 106  |
| Combustible fuels                                      | 83                            | 89    | 92    | 95    | 102   | 104  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | 0    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..   |
| Other  | ..                            | ..    | *2    | *2    | *2    | 1    |
| Main activity  | 75                            | 81    | 86    | 88    | 95    | 97   |
| Combustible fuels                                      | 75                            | 81    | 84    | 86    | 93    | 95   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | 0    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..   |
| Other  | ..                            | ..    | *2    | *2    | *2    | 1    |
| Own use in electricity, CHP and heat plants            | 2                             | *2    | *2    | *2    | *2    | *3   |
| Net production   | 81                            | 87    | 92    | 95    | 102   | 103  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..   |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..   |
| Losses   | *10                           | *10   | *10   | *12   | *12   | *13  |
| Consumption  | *71                           | 77    | *82   | *83   | *90   | 90   |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..   |
| By industry and construction                           | *31                           | *30   | *35   | *33   | *35   | *37  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..   |
| By households and other cons.                          | *41                           | 47    | *47   | *50   | *54   | 53   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |      |
| Total main activity and autoproducer                   | *36                           | *36   | *37   | *37   | *37   | *37  |
| Combustible fuels                                      | *36                           | *36   | *36   | *36   | *36   | *36  |
| Hydro  | 0                             | 0     | 0     | 0     | 0     | 0    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..   |
| Other  | ..                            | ..    | *1    | *1    | *1    | 1    |
| Main activity  | *31                           | *31   | *32   | *32   | *32   | *32  |
| Combustible fuels                                      | *31                           | *31   | *31   | *31   | *31   | *31  |
| Hydro  | 0                             | 0     | 0     | 0     | 0     | 0    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..   |
| Other  | ..                            | ..    | *1    | *1    | *1    | 1    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |      |
| Gas-diesel oil   | *1019                         | *1148 | *1165 | *1075 | *1011 | *998 |
| <b>Total input</b>                                     | *1019                         | *1148 | *1165 | *1075 | *1011 | *998 |
| <b>Total production</b>                                | 300                           | 321   | 331   | 341   | 366   | 374  |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 28    | 28    | 32    | 36    | 38   |

**Statistics on electricity**
**Somalia**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 340                           | 350   | 350   | 350   | 350   | *350  |
| Combustible fuels                                      | 340                           | 350   | 350   | 350   | 350   | *350  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 340                           | 350   | 350   | 350   | 350   | *350  |
| Combustible fuels                                      | 340                           | 350   | 350   | 350   | 350   | *350  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 0                             | 0     | 0     | 0     | 0     | 0     |
| Net production   | 340                           | 350   | 350   | 350   | 350   | *350  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *32                           | *35   | *35   | *35   | *35   | *35   |
| Consumption  | 308                           | 315   | 315   | 315   | 315   | 315   |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | ..                            | ..    | ..    | ..    | ..    | ..    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 308                           | 315   | 315   | 315   | 315   | 315   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 80                            | 80    | 80    | 80    | 80    | 80    |
| Combustible fuels                                      | 80                            | 80    | 80    | 80    | 80    | 80    |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 80                            | 80    | 80    | 80    | 80    | 80    |
| Combustible fuels                                      | 80                            | 80    | 80    | 80    | 80    | 80    |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *3698                         | *4214 | *4214 | *4214 | *4300 | *4300 |
| <b>Total input</b>                                     | *3698                         | *4214 | *4214 | *4214 | *4300 | *4300 |
| <b>Total production</b>                                | 1224                          | 1260  | 1260  | 1260  | 1260  | *1260 |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 30    | 30    | 30    | 29    | 29    |

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

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 257919                        | 256073  | 252578  | 249655  | 252747  | 255134  |
| Combustible fuels                                      | 241717                        | 237871  | 232516  | 228825  | 226927  | 227191  |
| Hydro  | 4211                          | 4040    | 4082    | 3720    | 3994    | 5350    |
| Nuclear  | 11954                         | 14106   | 13794   | 12237   | 15026   | 14193   |
| Other  | 37                            | 56      | 2186    | 4873    | 6800    | 8400    |
| Main activity  | 247516                        | 244851  | 240401  | 233391  | 233673  | 233919  |
| Combustible fuels                                      | 231479                        | 226828  | 222649  | 217282  | 214382  | 213999  |
| Hydro  | 4083                          | 3917    | 3958    | 3607    | 3873    | 5188    |
| Nuclear  | 11954                         | 14106   | 13794   | 12237   | 15026   | 14193   |
| Other  | ..                            | ..      | ..      | 265     | 392     | 539     |
| Own use in electricity, CHP and heat plants            | 14679                         | 14608   | 14360   | 13938   | 13726   | 13097   |
| Net production   | 243240                        | 241465  | 238218  | 235717  | 239021  | 242037  |
| Imports  | 10006                         | 9428    | 11177   | 13059   | 10555   | 8568    |
| Exports  | 15035                         | 13929   | 13836   | 14609   | 16549   | 15201   |
| Losses   | 22221                         | 21488   | 20940   | 19895   | 21399   | 21429   |
| Consumption  | 213092                        | 212483  | 211678  | 210031  | 209817  | 211800  |
| Energy industries own use                              | 15188                         | 15679   | 16173   | 16169   | 16999   | 17336   |
| By industry and construction                           | 118823                        | 118203  | 117427  | 116575  | 115939  | 116760  |
| By transport   | 3833                          | 3745    | 3714    | 3463    | 3457    | 3761    |
| By households and other cons.                          | 75248                         | 74856   | 74364   | 73824   | 73422   | 73943   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | *44844                        | *44148  | *47643  | *47109  | *47930  | *53028  |
| Combustible fuels                                      | *42186                        | *41559  | *43238  | *40581  | *40581  | *45497  |
| Hydro  | *728                          | *728    | *725    | *740    | *740    | 761     |
| Nuclear  | *1890                         | *1800   | *1880   | *1860   | 1860    | 1940    |
| Other  | *40                           | *61     | *1800   | *3928   | *4749   | *4830   |
| Main activity  | *42754                        | *42037  | *44003  | *41041  | *40850  | *45837  |
| Combustible fuels                                      | *40186                        | *39559  | *41438  | *38381  | *38190  | *43097  |
| Hydro  | *678                          | *678    | *685    | *700    | *700    | 700     |
| Nuclear  | *1890                         | *1800   | *1880   | *1860   | 1860    | 1940    |
| Other  | ..                            | ..      | ..      | *100    | *100    | 100     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 2915759                       | 2938647 | 3083944 | 2827721 | 2901980 | 2771587 |
| Gas-diesel oil   | 1978                          | 1978    | 1935    | 1892    | 1892    | 1892    |
| Vegetal waste  | *3730                         | *3730   | *3730   | *3730   | *3730   | *4003   |
| <b>Total input</b>                                     | 2921467                       | 2944355 | 3089609 | 2833343 | 2907602 | 2777482 |
| <b>Total production</b>                                | 870181                        | 856336  | 837058  | 823770  | 816937  | 817888  |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 29      | 27      | 29      | 28      | 29      |

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

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 445                           | 472  | 490  | 578  | 606  | 542  |
| Combustible fuels                                      | 443                           | 470  | 488  | 576  | 604  | 539  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 2                             | 2    | 2    | 2    | 2    | 3    |
| Main activity  | 211                           | 226  | 235  | 246  | 258  | 503  |
| Combustible fuels                                      | 210                           | 225  | 234  | 245  | 257  | 502  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 1    | 1    | 1    | 1    |
| Own use in electricity, CHP and heat plants            | 18                            | 18   | 19   | 18   | 19   | 15   |
| Net production   | 427                           | 454  | 471  | 560  | 587  | 527  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 26                            | 27   | 28   | 27   | 28   | 24   |
| Consumption  | 385                           | 415  | 431  | 529  | 554  | 498  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | 197  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 385                           | 415  | 431  | 529  | 554  | 301  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *81                           | *81  | *81  | *84  | *84  | *131 |
| Combustible fuels                                      | *80                           | *80  | *80  | *80  | *80  | *120 |
| Hydro  | ..                            | ..   | ..   | 3    | *3   | *3   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | *1                            | *1   | *1   | *1   | *1   | *8   |
| Main activity  | *40                           | *40  | *40  | *43  | *43  | *90  |
| Combustible fuels                                      | *40                           | *40  | *40  | *40  | *40  | *80  |
| Hydro  | ..                            | ..   | ..   | 3    | *3   | *3   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | *7   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Motor gasoline   | ..                            | ..   | ..   | 177  | 133  | 89   |
| Gas-diesel oil   | 5074                          | 5418 | 5633 | 7826 | 5934 | 5547 |
| <b>Total input</b>                                     | 5074                          | 5418 | 5633 | 8003 | 6067 | 5636 |
| <b>Total production</b>                                | 1595                          | 1692 | 1757 | 2074 | 2174 | 1940 |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 31   | 31   | 26   | 36   | 34   |

**Statistics on electricity**
**Spain**

| Item   | 2012                          | 2013    | 2014   | 2015    | 2016   | 2017    |
|--|-------------------------------|---------|--------|---------|--------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |        |         |        |         |
| Total main activity and autoproducer                   | 297559                        | 285631  | 278750 | 280911  | 274772 | 275726  |
| Combustible fuels                                      | 150312                        | 119111  | 112789 | 128947  | 113618 | 133002  |
| Hydro  | 24162                         | 41052   | 42970  | 31368   | 39865  | 21070   |
| Nuclear  | 61470                         | 56726   | 57305  | 57196   | 58633  | 58039   |
| Other  | 61615                         | 68742   | 65686  | 63400   | 62656  | 63615   |
| Main activity  | 256132                        | 247504  | 246639 | 247431  | 240730 | 239698  |
| Combustible fuels                                      | 109560                        | 81966   | 81783  | 96474   | 80530  | 97587   |
| Hydro  | 23700                         | 40109   | 41906  | 30620   | 39062  | 20593   |
| Nuclear  | 61470                         | 56726   | 57305  | 57196   | 58633  | 58039   |
| Other  | 61402                         | 68703   | 65645  | 63141   | 62505  | 63479   |
| Own use in electricity, CHP and heat plants            | 10985                         | 10232   | 10370  | 11160   | 10428  | 10808   |
| Net production   | 286574                        | 275399  | 268380 | 269751  | 264344 | 264918  |
| Imports  | 7787                          | 9887    | 12310  | 14956   | 21845  | 23762   |
| Exports  | 18986                         | 16638   | 15716  | 15089   | 14178  | 14593   |
| Losses   | 25675                         | 26694   | 26393  | 26509   | 26720  | 27073   |
| Consumption  | 250526                        | 241089  | 238508 | 243065  | 244640 | 245544  |
| Energy industries own use                              | 10278                         | 11002   | 11611  | 11027   | 12125  | 10973   |
| By industry and construction                           | 72466                         | 70828   | 71657  | 76055   | 77899  | 79450   |
| By transport   | 4677                          | 4842    | 4822   | 5300    | 5178   | 5291    |
| By households and other cons.                          | 163105                        | 154417  | 150418 | 150683  | 149438 | 149830  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |        |         |        |         |
| Total main activity and autoproducer                   | 112398                        | 113211  | 113638 | 114057  | 113252 | 111144  |
| Combustible fuels                                      | 56736                         | 56786   | 56786  | 56350   | 55454  | 53510   |
| Hydro  | 18750                         | 19385   | 19423  | 20253   | 20280  | 20279   |
| Nuclear  | 7450                          | 6984    | 7399   | 7399    | 7399   | 7117    |
| Other  | 29462                         | 30056   | 30030  | 30055   | 30119  | 30238   |
| Main activity  | 105094                        | 105907  | 106334 | 106753  | 105948 | 103840  |
| Combustible fuels                                      | 49736                         | 49786   | 49786  | 49350   | 48454  | 46510   |
| Hydro  | 18550                         | 19185   | 19223  | 20053   | 20080  | 20079   |
| Nuclear  | 7450                          | 6984    | 7399   | 7399    | 7399   | 7117    |
| Other  | 29358                         | 29952   | 29926  | 29951   | 30015  | 30134   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |        |         |        |         |
| Hard Coal  | 523188                        | 379601  | 411565 | 481734  | 362042 | 443931  |
| Brown Coal   | 30335                         | 21620   | 29263  | 30805   | 18293  | 26263   |
| Gas-diesel oil   | 44720                         | 40377   | 49106  | 35432   | 32078  | 36077   |
| Fuel oil   | 78740                         | 66579   | 63913  | 69326   | 75467  | 76073   |
| Petroleum coke   | 16673                         | 9458    | 10725  | 37083   | 31103  | 17713   |
| Natural gas  | 517885                        | 395682  | 323797 | 384257  | 376162 | 461908  |
| Blast furnace gas                                      | 7243                          | 9939    | 12500  | 11345   | 8924   | 10863   |
| Fuelwood   | *26986                        | *35692  | *41082 | *26243  | 27506  | *30705  |
| Vegetal waste  | *4299                         | *10992  | *3168  | *23658  | *21886 | *22528  |
| Municipal waste  | 14710                         | 16724   | 17098  | 20900   | 19226  | 21160   |
| Others   | 10761                         | 19397   | 19166  | 17614   | 14200  | 15736   |
| <b>Total input</b>                                     | 1275539                       | 1006060 | 981383 | 1138397 | 986886 | 1162957 |
| <b>Total production</b>                                | 541123                        | 428800  | 406040 | 464209  | 409025 | 478807  |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 43      | 41     | 41      | 41     | 41      |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017   |
|--|-------------------------------|-------|-------|-------|-------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |        |
| Total main activity and autoproducer                   | 11908                         | 12060 | 12862 | 13227 | 14364 | 15004  |
| Combustible fuels                                      | 8439                          | 4870  | 7986  | 6854  | 9721  | 10381  |
| Hydro  | 3302                          | 6929  | 4563  | 5969  | 4221  | 4039   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | 168                           | 261   | 313   | 404   | 422   | 583    |
| Main activity  | 11879                         | 12024 | 12812 | 12046 | 14175 | 14766  |
| Combustible fuels                                      | 8439                          | 4870  | 7986  | 6796  | 9630  | 10296  |
| Hydro  | 3291                          | 6918  | 4552  | 4904  | 4196  | 4021   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | 149                           | 236   | 274   | 345   | 349   | 450    |
| Own use in electricity, CHP and heat plants            | 308                           | 280   | 438   | 561   | 634   | 336    |
| Net production   | 11601                         | 11780 | 12424 | 12666 | 13730 | 14668  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Losses   | 1192                          | 1201  | 1426  | 925   | 997   | 1179   |
| Consumption  | 10409                         | 10554 | 10997 | 11741 | 12715 | 13489  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..     |
| By industry and construction                           | 3528                          | 3590  | 3758  | 3880  | 4149  | 4372   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..     |
| By households and other cons.                          | 6881                          | 6964  | 7239  | 7861  | 8566  | 9117   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |        |
| Total main activity and autoproducer                   | 3371                          | 3301  | 4043  | 3948  | 4010  | 5094   |
| Combustible fuels                                      | 1700                          | 1591  | 2233  | 2108  | 2088  | 2144   |
| Hydro  | 1584                          | 1617  | 1664  | 1684  | 1722  | 1720   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | 87                            | 93    | 146   | 156   | 200   | 1230   |
| Main activity  | 3124                          | 3019  | 3723  | 3593  | 3598  | 4658   |
| Combustible fuels                                      | 1690                          | 1575  | 2213  | 2088  | 2064  | 2115   |
| Hydro  | 1357                          | 1361  | 1377  | 1377  | 1384  | 1364   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..     |
| Other  | 77                            | 83    | 133   | 128   | 150   | 1179   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |        |
| Hard Coal  | 18318                         | 19860 | 39964 | 55099 | 58733 | 61151  |
| Gas-diesel oil   | 16899                         | 3856  | 12995 | 4240  | 16761 | 17535  |
| Fuel oil   | 33532                         | 21257 | 24659 | 12391 | 13227 | 19974  |
| Naphtha  | 2759                          | 4652  | 5904  | 6437  | 8010  | 9060   |
| Fuelwood   | 698                           | 0     | ..    | ..    | ..    | ..     |
| Bagasse  | *39                           | 334   | 524   | 726   | 911   | 848    |
| <b>Total input</b>                                     | 72244                         | 49959 | 84047 | 78893 | 97643 | 108568 |
| <b>Total production</b>                                | 30379                         | 17530 | 28748 | 24673 | 34995 | 37373  |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 35    | 34    | 31    | 36    | 34     |



**Statistics on electricity**
**St. Helena and Depend.**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 10                            | 11   | 10   | 10   | 11   | 11   |
| Combustible fuels                                      | 9                             | 10   | 9    | 8    | 8    | 9    |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 1    | 2    | 3    | 3    |
| Main activity  | 10                            | 11   | 10   | 10   | 11   | 11   |
| Combustible fuels                                      | 9                             | 10   | 9    | 8    | 8    | 9    |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 1    | 2    | 3    | 3    |
| Own use in electricity, CHP and heat plants            | 0                             | 1    | 0    | 0    | 0    | 0    |
| Net production   | 9                             | 10   | 10   | 10   | 10   | 11   |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *1                            | *1   | *1   | *1   | *1   | *1   |
| Consumption  | 9                             | 9    | 9    | 9    | 9    | 9    |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 9                             | 9    | 9    | 9    | 9    | 9    |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 8                             | 8    | 9    | 10   | 11   | 11   |
| Combustible fuels                                      | 8                             | 8    | 8    | 8    | 8    | 8    |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 1    | *3   | 3    | *3   |
| Main activity  | 8                             | 8    | 9    | 10   | 11   | 11   |
| Combustible fuels                                      | 8                             | 8    | 8    | 8    | 8    | 8    |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 1    | *3   | 3    | *3   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *90                           | *99  | 85   | 72   | 67   | *77  |
| <b>Total input</b>                                     | *90                           | *99  | 85   | 72   | 67   | *77  |
| <b>Total production</b>                                | 32                            | 35   | 32   | 28   | 27   | 31   |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 35   | 37   | 39   | 40   | 40   |

Statistics on electricity

St. Kitts-Nevis

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 218                           | *220  | *221  | *217  | *228  | *217  |
| Combustible fuels                                      | 210                           | *211  | *211  | *207  | *217  | *206  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 8                             | *9    | *10   | *10   | 11    | 11    |
| Main activity  | 217                           | *219  | *220  | *216  | *227  | *216  |
| Combustible fuels                                      | 209                           | *210  | *210  | *206  | *216  | *205  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 8                             | *9    | *10   | *10   | 11    | 11    |
| Own use in electricity, CHP and heat plants            | 0                             | *1    | *2    | *2    | *3    | *2    |
| Net production   | 218                           | *219  | *219  | *215  | *225  | *215  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 39                            | *39   | *39   | *31   | *36   | *33   |
| Consumption  | 179                           | *180  | *180  | *184  | *189  | *181  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | *36                           | *36   | *36   | *37   | *38   | *36   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 143                           | *144  | *144  | *147  | *152  | *145  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *62                           | *62   | *64   | 64    | 65    | 65    |
| Combustible fuels                                      | *59                           | *59   | *60   | 60    | 60    | 60    |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 2                             | 3     | *4    | 4     | *4    | *4    |
| Main activity  | *58                           | *58   | *60   | 60    | 61    | 61    |
| Combustible fuels                                      | *55                           | *55   | *56   | 56    | 56    | 56    |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 2                             | 3     | *4    | 4     | *4    | *4    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 2017                          | *1982 | *1978 | *2051 | *2107 | *2077 |
| <b>Total input</b>                                     | 2017                          | *1982 | *1978 | *2051 | *2107 | *2077 |
| <b>Total production</b>                                | 756                           | *760  | *760  | *746  | *781  | *741  |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 38    | 38    | 36    | 37    | 36    |

Statistics on electricity

St. Lucia

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 385                           | 383  | 379  | 381  | 391  | 400  |
| Combustible fuels                                      | 385                           | 383  | 379  | 381  | 391  | 400  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 385                           | 383  | 379  | 381  | 391  | 400  |
| Combustible fuels                                      | 385                           | 383  | 379  | 381  | 391  | 400  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 15                            | 15   | 14   | 14   | 14   | 13   |
| Net production   | 370                           | 368  | 366  | 368  | 378  | 387  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 37                            | 34   | 34   | 30   | 29   | 27   |
| Consumption  | 333                           | 334  | 332  | 338  | 348  | 360  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 18                            | 18   | 18   | 18   | 19   | 18   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 316                           | 317  | 314  | 320  | 330  | 341  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 86                            | 86   | 88   | 88   | 88   | 88   |
| Combustible fuels                                      | 86                            | 86   | 88   | 88   | 88   | 88   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 86                            | 86   | 88   | 88   | 88   | 88   |
| Combustible fuels                                      | 86                            | 86   | 88   | 88   | 88   | 88   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 3321                          | 3306 | 3298 | 3333 | 3389 | 3483 |
| <b>Total input</b>                                     | 3321                          | 3306 | 3298 | 3333 | 3389 | 3483 |
| <b>Total production</b>                                | 1385                          | 1379 | 1366 | 1373 | 1409 | 1441 |
| <b>Estimated efficiency (% of production to input)</b> | 42                            | 42   | 41   | 41   | 42   | 41   |

Statistics on electricity

St. Pierre-Miquelon

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 43                            | 47   | 48   | 49   | 49   | 49   |
| Combustible fuels                                      | 43                            | 46   | 48   | 49   | 49   | 49   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 0    | 0    | 0    | ..   |
| Main activity  | 43                            | 47   | 48   | 49   | 49   | 49   |
| Combustible fuels                                      | 43                            | 46   | 48   | 49   | 49   | 49   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 0    | 0    | 0    | ..   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | 43                            | 47   | 48   | 49   | 49   | 49   |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 3                             | 2    | 2    | 4    | 4    | *3   |
| Consumption  | 41                            | 45   | 46   | 45   | 45   | *46  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 41                            | 45   | 46   | 45   | 45   | *46  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 27                            | 28   | 26   | 25   | 25   | 25   |
| Combustible fuels                                      | 26                            | 27   | 26   | 25   | 25   | 25   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 0    | 0    | 0    | 0    |
| Main activity  | 27                            | 28   | 26   | 25   | 25   | 25   |
| Combustible fuels                                      | 26                            | 27   | 26   | 25   | 25   | 25   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 1                             | 1    | 0    | 0    | 0    | 0    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *464                          | *490 | *500 | *500 | *500 | *500 |
| <b>Total input</b>                                     | *464                          | *490 | *500 | *500 | *500 | *500 |
| <b>Total production</b>                                | 153                           | 164  | 174  | 175  | 176  | 175  |
| <b>Estimated efficiency (% of production to input)</b> | 33                            | 34   | 35   | 35   | 35   | 35   |

Statistics on electricity

St. Vincent-Grenadines

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 143                           | 142   | 141   | 145   | 152   | *153  |
| Combustible fuels                                      | 118                           | 119   | 129   | 129   | 136   | *137  |
| Hydro  | 25                            | 23    | 12    | 17    | 16    | *16   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 143                           | 142   | 141   | 145   | 152   | *153  |
| Combustible fuels                                      | 118                           | 119   | 129   | 129   | 136   | *137  |
| Hydro  | 25                            | 23    | 12    | 17    | 16    | *16   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 8                             | 2     | 10    | 22    | 32    | *32   |
| Net production   | 135                           | 139   | 131   | 124   | 121   | *121  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 9                             | 10    | 10    | 10    | 11    | *11   |
| Consumption  | 124                           | 129   | 119   | 108   | 102   | *102  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 6                             | 6     | 7     | 6     | 5     | *5    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 118                           | 123   | 112   | 102   | 97    | *97   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *58                           | *58   | *58   | 53    | 53    | *53   |
| Combustible fuels                                      | *46                           | *46   | *46   | 46    | 46    | *46   |
| Hydro  | *13                           | *13   | *13   | 6     | 6     | *6    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | 1     | 1     | *1    |
| Main activity  | *58                           | *58   | *58   | 53    | 53    | *53   |
| Combustible fuels                                      | *46                           | *46   | *46   | 46    | 46    | *46   |
| Hydro  | *13                           | *13   | *13   | 6     | 6     | *6    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | 1     | 1     | *1    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *1090                         | *1134 | *1234 | *1227 | *1305 | *1312 |
| <b>Total input</b>                                     | *1090                         | *1134 | *1234 | *1227 | *1305 | *1312 |
| <b>Total production</b>                                | 425                           | 428   | 466   | 463   | 490   | *492  |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 38    | 38    | 38    | 38    | 38    |

**Statistics on electricity**
**State of Palestine**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 461                           | 570  | 340  | 515  | 537  | 546  |
| Combustible fuels                                      | 461                           | 568  | 337  | 506  | 495  | 501  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | 2    | 3    | 9    | 43   | 45   |
| Main activity  | 461                           | 404  | 268  | 360  | 360  | 392  |
| Combustible fuels                                      | 461                           | 403  | 266  | 355  | 339  | 369  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | 1    | 2    | 5    | 21   | 23   |
| Own use in electricity, CHP and heat plants            | 0                             | 36   | 1    | 0    | 0    | 0    |
| Net production   | 461                           | 534  | 339  | 515  | 537  | 546  |
| Imports  | 4909                          | 4734 | 4935 | 5413 | 5473 | 5577 |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 537                           | 527  | 633  | 711  | 721  | 735  |
| Consumption  | 4846                          | 4743 | 4642 | 5216 | 5289 | 5388 |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | *1026                         | 405  | 527  | 576  | 584  | 648  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 3820                          | 4339 | 4115 | 4640 | 4705 | 4740 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 140                           | 161  | 163  | 172  | 185  | 190  |
| Combustible fuels                                      | 140                           | 160  | 160  | 160  | 160  | 160  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | 1    | 3    | 12   | 25   | 30   |
| Main activity  | 140                           | 141  | 142  | 146  | 153  | 155  |
| Combustible fuels                                      | 140                           | 140  | 140  | 140  | 140  | 140  |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | 1    | 2    | 6    | 13   | 15   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Motor gasoline   | 257                           | 354  | 337  | 443  | 403  | 279  |
| Gas-diesel oil   | 3904                          | 4455 | 2989 | 3939 | 4094 | 4670 |
| <b>Total input</b>                                     | 4161                          | 4809 | 3325 | 4382 | 4497 | 4949 |
| <b>Total production</b>                                | 1660                          | 2044 | 1212 | 1820 | 1780 | 1803 |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 42   | 36   | 42   | 40   | 36   |

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

| Item   | 2012                          | 2013  | 2014  | 2015   | 2016   | 2017   |
|--|-------------------------------|-------|-------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |        |        |        |
| Total main activity and autoproducer                   | 9560                          | 10423 | 11492 | 13158  | 14540  | 15659  |
| Combustible fuels                                      | 2941                          | 2106  | 2579  | 4738   | 6489   | 6312   |
| Hydro  | 6619                          | 8317  | 8913  | 8420   | 8051   | 9347   |
| Nuclear  | ..                            | ..    | ..    | ..     | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..     | ..     | ..     |
| Main activity  | 9436                          | 10287 | 11376 | 13047  | 14429  | 15542  |
| Combustible fuels                                      | 2817                          | 1970  | 2463  | 4627   | 6378   | 6195   |
| Hydro  | 6619                          | 8317  | 8913  | 8420   | 8051   | 9347   |
| Nuclear  | ..                            | ..    | ..    | ..     | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 156                           | 178   | 112   | 125    | 164    | 241    |
| Net production   | 9404                          | 10245 | 11380 | 13033  | 14376  | 15418  |
| Imports  | ..                            | 320   | 443   | 129    | 439    | 891    |
| Exports  | ..                            | ..    | ..    | 5      | 6      | ..     |
| Losses   | 1794                          | 2365  | 2502  | 2870   | 3030   | 3140   |
| Consumption  | 7610                          | 7895  | 9710  | 10580  | 11799  | 12961  |
| Energy industries own use                              | ..                            | ..    | ..    | ..     | ..     | ..     |
| By industry and construction                           | 1216                          | 1279  | 1628  | 1512   | 1794   | 2003   |
| By transport   | ..                            | ..    | ..    | ..     | ..     | ..     |
| By households and other cons.                          | 6394                          | 6616  | 8082  | 9068   | 10005  | 10958  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |        |        |        |
| Total main activity and autoproducer                   | 2921                          | 3331  | *3340 | 3321   | 3540   | 3770   |
| Combustible fuels                                      | 1323                          | 1733  | *1739 | 1717   | 1935   | 2004   |
| Hydro  | 1590                          | 1590  | 1593  | 1593   | 1593   | 1753   |
| Nuclear  | ..                            | ..    | ..    | ..     | ..     | ..     |
| Other  | 8                             | 8     | 8     | 11     | 12     | 13     |
| Main activity  | 2723                          | 3133  | 3142  | 3120   | 3338   | 3567   |
| Combustible fuels                                      | 1133                          | 1543  | *1549 | 1527   | 1745   | 1814   |
| Hydro  | 1590                          | 1590  | 1593  | 1593   | 1593   | 1753   |
| Nuclear  | ..                            | ..    | ..    | ..     | ..     | ..     |
| Other  | ..                            | ..    | ..    | ..     | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |        |        |        |
| Crude oil  | ..                            | ..    | ..    | *23265 | *31725 | *31725 |
| Gas-diesel oil   | 27434                         | 24037 | 29068 | *30272 | *31863 | *39345 |
| Bagasse  | *2224                         | *2456 | *2093 | *2000  | *1977  | *2100  |
| <b>Total input</b>                                     | 29658                         | 26493 | 31161 | *55537 | *65565 | *73170 |
| <b>Total production</b>                                | 10586                         | 7582  | 9285  | 17057  | 23359  | 22722  |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 29    | 30    | 31     | 36     | 31     |

**Statistics on electricity**
**Suriname**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 1961                          | 2035  | 2073  | 2084  | 2027  | 2117  |
| Combustible fuels                                      | 849                           | 932   | 1276  | 1378  | 1239  | 1187  |
| Hydro  | 1112                          | 1103  | 797   | 702   | 783   | 926   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | *4    | *4    | *4    |
| Main activity  | 515                           | 552   | 751   | 762   | 577   | 666   |
| Combustible fuels                                      | 515                           | 552   | 751   | 757   | 573   | 662   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | *4    | *4    | *4    |
| Own use in electricity, CHP and heat plants            | 83                            | 85    | 73    | 70    | 34    | 93    |
| Net production   | 1877                          | 1950  | 2000  | 2014  | 1993  | 2024  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 178                           | 197   | 190   | 242   | 217   | 217   |
| Consumption  | 1668                          | 1737  | 1768  | 1772  | 1772  | 1773  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 747                           | 741   | 727   | 716   | 851   | 852   |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 921                           | 996   | 1041  | 1057  | 921   | 922   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 466                           | 536   | 496   | 501   | *501  | *501  |
| Combustible fuels                                      | 277                           | 347   | 307   | 307   | *307  | *307  |
| Hydro  | 189                           | 189   | 189   | 189   | 189   | 189   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | 5     | *5    | *5    |
| Main activity  | 154                           | 224   | 184   | 189   | *189  | *189  |
| Combustible fuels                                      | 154                           | 224   | 184   | 184   | *184  | *184  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | 5     | *5    | *5    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 856                           | 1028  | 731   | 753   | 674   | 690   |
| Fuel oil   | 12290                         | 12972 | 13756 | 13866 | 12420 | 12681 |
| Natural gas  | 175                           | 179   | 149   | 152   | 136   | 136   |
| <b>Total input</b>                                     | 13321                         | 14179 | 14636 | 14771 | 13230 | 13507 |
| <b>Total production</b>                                | 3056                          | 3356  | 4595  | 4960  | 4461  | 4275  |
| <b>Estimated efficiency (% of production to input)</b> | 23                            | 24    | 31    | 34    | 34    | 32    |



## Statistics on electricity

### Sweden

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 166561                        | 153166  | 153663  | 162112  | 156010  | 164250  |
| Combustible fuels                                      | 16283                         | 15336   | 13632   | 13906   | 15150   | 15547   |
| Hydro  | 79058                         | 61496   | 63872   | 75439   | 62137   | 65168   |
| Nuclear  | 64037                         | 66457   | 64877   | 56348   | 63101   | 65696   |
| Other  | 7183                          | 9877    | 11282   | 16419   | 15622   | 17839   |
| Main activity  | 160211                        | 147312  | 147866  | 156285  | 150272  | 158035  |
| Combustible fuels                                      | 9950                          | 9492    | 7847    | 8090    | 9423    | 9344    |
| Hydro  | 79041                         | 61486   | 63860   | 75428   | 62126   | 65156   |
| Nuclear  | 64037                         | 66457   | 64877   | 56348   | 63101   | 65696   |
| Other  | 7183                          | 9877    | 11282   | 16419   | 15622   | 17839   |
| Own use in electricity, CHP and heat plants            | 3732                          | 3627    | 3706    | 3067    | 3479    | 3724    |
| Net production   | 162829                        | 149539  | 149957  | 159045  | 152531  | 160526  |
| Imports  | 11682                         | 12674   | 13852   | 9294    | 14287   | 11896   |
| Exports  | 31255                         | 22676   | 29475   | 31894   | 26022   | 30888   |
| Losses   | 10960                         | 10003   | 7335    | 6300    | 7625    | 8585    |
| Consumption  | 130503                        | 128075  | 125195  | 127983  | 130784  | 130495  |
| Energy industries own use                              | 3217                          | 3059    | 3004    | 3124    | 3288    | 3241    |
| By industry and construction                           | 54077                         | 52014   | 50730   | 50281   | 50289   | 50939   |
| By transport   | 2685                          | 2750    | 2615    | 2595    | 2664    | 2476    |
| By households and other cons.                          | 70524                         | 70252   | 68846   | 71983   | 74543   | 73839   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 37842                         | 37915   | 39921   | 40885   | 41511   | 39798   |
| Combustible fuels                                      | 8362                          | 7776    | 9270    | 8945    | 8689    | 7442    |
| Hydro  | 16414                         | 16494   | 15996   | 16329   | 16466   | 16502   |
| Nuclear  | 9436                          | 9408    | 9507    | 9688    | 9768    | 8999    |
| Other  | 3630                          | 4237    | 5148    | 5923    | 6588    | 6855    |
| Main activity  | 36601                         | 36712   | 38718   | 39683   | 40305   | 38513   |
| Combustible fuels                                      | 7124                          | 6582    | 8076    | 7751    | 7495    | 6175    |
| Hydro  | 16411                         | 16485   | 15987   | 16321   | 16454   | 16484   |
| Nuclear  | 9436                          | 9408    | 9507    | 9688    | 9768    | 8999    |
| Other  | 3630                          | 4237    | 5148    | 5923    | 6588    | 6855    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 9167                          | 12813   | 8423    | 8255    | 5358    | 6493    |
| Peat   | 8884                          | 7588    | 5261    | 4441    | 4870    | 4626    |
| Gas-diesel oil   | 1419                          | 946     | 86      | 1333    | 1892    | 1075    |
| Fuel oil   | 5939                          | 3596    | 3192    | 1454    | 2707    | 1656    |
| Natural gas  | 14942                         | 14963   | 7695    | 8082    | 11451   | 4724    |
| Blast furnace gas                                      | 5630                          | 5122    | 5749    | 5435    | 5608    | 6833    |
| Fuelwood   | *131404                       | *128628 | *121842 | *124449 | *135091 | *143783 |
| Municipal waste  | 49735                         | 53494   | 56454   | 58887   | 61789   | 65148   |
| Industrial waste                                       | 764                           | 1087    | 863     | 749     | 746     | 748     |
| Other recovered gases                                  | 1747                          | 1662    | 1648    | 1542    | 1951    | 1992    |
| Others   | 850                           | 2312    | 1483    | 1467    | 1646    | 1725    |
| <b>Total input</b>                                     | *230481                       | *232211 | *212695 | *216095 | *233108 | *238804 |
| <b>Total production</b>                                | 58619                         | 55210   | 49075   | 50062   | 54540   | 55969   |
| <b>Estimated efficiency (% of production to input)</b> | 25                            | 24      | 23      | 23      | 23      | 23      |

## Statistics on electricity

### Switzerland

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 69845                         | 70227 | 71767 | 67720 | 63175 | 63089 |
| Combustible fuels                                      | 3711                          | 3679  | 3566  | 3521  | 3898  | 3864  |
| Hydro  | 40305                         | 39968 | 39701 | 39881 | 36689 | 37033 |
| Nuclear  | 25441                         | 25990 | 27557 | 23089 | 21146 | 20376 |
| Other  | 388                           | 590   | 943   | 1229  | 1442  | 1816  |
| Main activity  | 63828                         | 63915 | 64902 | 60625 | 55986 | 55592 |
| Combustible fuels                                      | 812                           | 700   | 457   | 425   | 681   | 662   |
| Hydro  | 37487                         | 37135 | 36787 | 37001 | 34050 | 34421 |
| Nuclear  | 25441                         | 25990 | 27557 | 23089 | 21146 | 20376 |
| Other  | 88                            | 90    | 101   | 110   | 109   | 133   |
| Own use in electricity, CHP and heat plants            | 1681                          | 1699  | 1759  | 1565  | 1469  | 1437  |
| Net production   | 68164                         | 68528 | 70008 | 66155 | 61706 | 61652 |
| Imports  | 31549                         | 29874 | 28530 | 34033 | 34096 | 36496 |
| Exports  | 33749                         | 32270 | 34021 | 35068 | 30173 | 30946 |
| Losses   | 4581                          | 4677  | 4696  | 4577  | 4468  | 4558  |
| Consumption  | 61370                         | 61445 | 59812 | 60535 | 61152 | 62630 |
| Energy industries own use                              | 2411                          | 2132  | 2355  | 2296  | 2922  | 4160  |
| By industry and construction                           | 19028                         | 18767 | 18019 | 17989 | 17761 | 17896 |
| By transport   | 3094                          | 3142  | 3069  | 3136  | 3200  | 3150  |
| By households and other cons.                          | 36837                         | 37404 | 36369 | 37114 | 37269 | 37424 |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 18584                         | 18932 | 19165 | 19618 | 20839 | 21614 |
| Combustible fuels                                      | 1018                          | 1021  | 993   | 1016  | 961   | 946   |
| Hydro  | 13802                         | 13817 | 13743 | 13815 | 14806 | 15354 |
| Nuclear  | 3278                          | 3278  | 3308  | 3333  | 3333  | 3333  |
| Other  | 486                           | 816   | 1121  | 1454  | 1739  | 1981  |
| Main activity  | 16838                         | 16861 | 16813 | 16957 | 17736 | 18286 |
| Combustible fuels                                      | 291                           | 291   | 263   | 260   | 217   | 257   |
| Hydro  | 13220                         | 13232 | 13182 | 13304 | 14111 | 14621 |
| Nuclear  | 3278                          | 3278  | 3308  | 3333  | 3333  | 3333  |
| Other  | 49                            | 60    | 60    | 60    | 75    | 75    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Biogas   | 1653                          | 1803  | 1898  | 1990  | 2146  | 2234  |
| Gas-diesel oil   | 387                           | 301   | 301   | 344   | 258   | 258   |
| Fuel oil   | 0                             | 0     | ..    | ..    | ..    | ..    |
| Liquefied petroleum gas                                | 47                            | 47    | 47    | 47    | 47    | 47    |
| Natural gas  | 7845                          | 6028  | 3321  | 4639  | 6679  | 5569  |
| Fuelwood   | *5614                         | *6161 | *6041 | 4944  | 5550  | 6664  |
| Municipal waste  | 40764                         | 40544 | 41292 | 42832 | 44564 | 45188 |
| Industrial waste                                       | 1919                          | 1920  | 2002  | 881   | 834   | 1034  |
| <b>Total input</b>                                     | 58229                         | 56804 | 54902 | 55677 | 60078 | 60994 |
| <b>Total production</b>                                | 13360                         | 13244 | 12838 | 12676 | 14033 | 13910 |
| <b>Estimated efficiency (% of production to input)</b> | 23                            | 23    | 23    | 23    | 23    | 23    |

**Statistics on electricity**
**Syrian Arab Republic**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 31188                         | 25933  | 21726  | 17881  | 18112  | 18231  |
| Combustible fuels                                      | 27951                         | 22933  | 18726  | 17468  | 17183  | 17477  |
| Hydro  | 3237                          | 3000   | 3000   | 413    | 929    | 754    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | 30436                         | 25435  | 21229  | 17383  | 17556  | 17695  |
| Combustible fuels                                      | 27199                         | 22435  | 18229  | 16970  | 16627  | 16941  |
| Hydro  | 3237                          | 3000   | 3000   | 413    | 929    | 754    |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 3564                          | 2963   | 2482   | 2043   | 2070   | 2084   |
| Net production   | 27624                         | 22970  | 19244  | 15838  | 16042  | 16147  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | 0                             | 529    | 138    | 262    | 67     | 543    |
| Losses   | 5010                          | 3636   | 3353   | 2611   | 2842   | 2385   |
| Consumption  | 22614                         | 18805  | 15753  | 12965  | 13133  | 13220  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 7605                          | 6324   | 5298   | 4360   | 4417   | 4446   |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 15009                         | 12481  | 10455  | 8605   | 8716   | 8774   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | *8207                         | 8207   | *9604  | *9123  | 9122   | *9130  |
| Combustible fuels                                      | *7356                         | 7356   | *8109  | *7550  | 8192   | *8199  |
| Hydro  | *850                          | 850    | 1494   | 1572   | 929    | *929   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1                             | 1      | 1      | 1      | 1      | 2      |
| Main activity  | *7211                         | 7211   | *8509  | *8028  | 8210   | *8218  |
| Combustible fuels                                      | *6360                         | 6360   | *7014  | *6455  | 7280   | *7287  |
| Hydro  | *850                          | 850    | 1494   | 1572   | 929    | *929   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 1                             | 1      | 1      | 1      | 1      | 2      |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | 13459                         | 8901   | 8901   | 8901   | 9933   | 9589   |
| Fuel oil   | 108393                        | 64115  | 43874  | 49288  | 63590  | 69407  |
| Natural gas  | 198995                        | 163515 | 151174 | 132663 | 115694 | 114151 |
| <b>Total input</b>                                     | 320847                        | 236531 | 203949 | 190852 | 189217 | 193147 |
| <b>Total production</b>                                | 100624                        | 82559  | 67414  | 62885  | 61859  | 62917  |
| <b>Estimated efficiency (% of production to input)</b> | 31                            | 35     | 33     | 33     | 33     | 33     |

## Statistics on electricity

### Tajikistan

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 16998                         | 17115 | 16472 | 17162 | 17232 | 18144 |
| Combustible fuels                                      | 74                            | 44    | 160   | 302   | 608   | 1011  |
| Hydro  | 16924                         | 17071 | 16312 | 16860 | 16624 | 17133 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 16998                         | 17115 | 16472 | 17162 | 17232 | 18144 |
| Combustible fuels                                      | 74                            | 44    | 160   | 302   | 608   | 1011  |
| Hydro  | 16924                         | 17071 | 16312 | 16860 | 16624 | 17133 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 91                            | 90    | 24    | 25    | 36    | 229   |
| Net production   | 16907                         | 17025 | 16448 | 17137 | 17196 | 17915 |
| Imports  | 114                           | 117   | 13    | 63    | 103   | 110   |
| Exports  | 775                           | 1061  | 1366  | 1400  | 1427  | 1421  |
| Losses   | 2445                          | 2528  | 2804  | 2700  | 2746  | *2873 |
| Consumption  | 13777                         | 13553 | 12407 | 12511 | 12986 | 13842 |
| Energy industries own use                              | 66                            | 66    | 63    | 65    | 64    | 68    |
| By industry and construction                           | 6344                          | 5496  | 4132  | 4186  | 4758  | 4428  |
| By transport   | 37                            | 38    | 41    | 50    | 72    | 30    |
| By households and other cons.                          | 7330                          | 7953  | 8171  | 8210  | 8092  | 9316  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 6168                          | 6185  | 6280  | 6283  | 6577  | *6577 |
| Combustible fuels                                      | 314                           | 318   | 421   | 422   | 719   | *719  |
| Hydro  | 5854                          | 5867  | 5859  | 5861  | 5858  | *5858 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 6168                          | 6185  | 6280  | 6283  | 6577  | *6577 |
| Combustible fuels                                      | 314                           | 318   | 421   | 422   | 719   | *719  |
| Hydro  | 5854                          | 5867  | 5859  | 5861  | 5858  | *5858 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | ..                            | 706   | 2044  | 3047  | *6075 | 13851 |
| Natural gas  | 933                           | ..    | ..    | ..    | ..    | ..    |
| <b>Total input</b>                                     | 933                           | 706   | 2044  | 3047  | *6075 | 13851 |
| <b>Total production</b>                                | 266                           | 158   | 576   | 1087  | 2189  | 3640  |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 22    | 28    | 36    | 36    | 26    |

**Statistics on electricity**
**Thailand**

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 166642                        | 170148  | 172259  | 177479  | 191010  | 186546  |
| Combustible fuels                                      | 157253                        | 163014  | 165028  | 170028  | 180304  | 171366  |
| Hydro  | 8754                          | 5748    | 5540    | 4743    | 6983    | 9527    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 635                           | 1386    | 1691    | 2708    | 3723    | 5653    |
| Main activity  | 148403                        | 139729  | 139755  | 141706  | 139154  | 130824  |
| Combustible fuels                                      | 139408                        | 133459  | 133726  | 136324  | 131422  | 119651  |
| Hydro  | 8754                          | 5748    | 5540    | 4743    | 6983    | 9527    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 241                           | 522     | 489     | 639     | 749     | 1646    |
| Own use in electricity, CHP and heat plants            | 5345                          | 6220    | 5931    | 3338    | 3300    | 3050    |
| Net production   | 161297                        | 163928  | 166328  | 174141  | 187710  | 183496  |
| Imports  | 10330                         | 12569   | 12289   | 14441   | 19853   | 24455   |
| Exports  | 1911                          | 1279    | 1594    | 2267    | 1385    | 1106    |
| Losses   | 9502                          | 10340   | 10545   | 11782   | 12225   | 11920   |
| Consumption  | 161749                        | 164322  | 168848  | 174116  | 185036  | 185315  |
| Energy industries own use                              | ..                            | ..      | ..      | ..      | ..      | ..      |
| By industry and construction                           | 67105                         | 68606   | 82623   | 83982   | 88878   | 87774   |
| By transport   | 103                           | 164     | 165     | 171     | 189     | 189     |
| By households and other cons.                          | 94541                         | 95552   | 86060   | 89963   | 95969   | 97352   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 52547                         | 54456   | 55452   | 58508   | 60758   | 60629   |
| Combustible fuels                                      | 46289                         | 47250   | 48238   | 51403   | 53653   | 53505   |
| Hydro  | *3488                         | 3436    | 3444    | 3453    | 3452    | 3452    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | *2770                         | *3770   | *3770   | *3652   | *3652   | *3671   |
| Main activity  | 35576                         | 36482   | 37478   | 40534   | 42784   | 43680   |
| Combustible fuels                                      | 30318                         | 31276   | 32264   | 35429   | 37679   | 38556   |
| Hydro  | *3488                         | 3436    | 3444    | 3453    | 3452    | 3452    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | *1770                         | 1770    | 1770    | 1652    | *1652   | *1671   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 170343                        | 223334  | 224205  | 216529  | 220617  | 206690  |
| Brown Coal   | 203427                        | 204993  | 182557  | 155355  | 174281  | 168344  |
| Biogas   | 1564                          | 7395    | 7564    | 8832    | 8282    | 10987   |
| Gas-diesel oil   | 1849                          | 2537    | 1548    | 2021    | 2795    | 3225    |
| Fuel oil   | 19150                         | 12322   | 14665   | 7434    | 3030    | 1091    |
| Natural gas  | 955775                        | 976868  | 1030723 | 1075488 | 1053538 | 1022823 |
| Fuelwood   | *69314                        | *98537  | *160849 | *147605 | *86797  | *62244  |
| Bagasse  | *221809                       | *238965 | *278054 | *225232 | *271799 | *262756 |
| Municipal waste  | 423                           | 592     | 592     | 5789    | 1225    | 1521    |
| <b>Total input</b>                                     | 1643653                       | 1765543 | 1900756 | 1844285 | 1822364 | 1739682 |
| <b>Total production</b>                                | 566111                        | 586850  | 594101  | 612101  | 649094  | 616918  |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 33      | 31      | 33      | 36      | 35      |

Statistics on electricity

Timor-Leste

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 126                           | 295   | 349   | 350   | 413   | 427   |
| Combustible fuels                                      | 126                           | 295   | 349   | 350   | 413   | 427   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 126                           | 295   | 349   | 350   | 413   | 427   |
| Combustible fuels                                      | 126                           | 295   | 349   | 350   | 413   | 427   |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 6                             | 18    | 21    | 21    | 0     | 0     |
| Net production   | 120                           | 277   | 328   | 329   | 413   | 427   |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *26                           | *60   | *70   | *75   | *80   | *85   |
| Consumption  | 94                            | *217  | *258  | 254   | 333   | *342  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | ..                            | ..    | ..    | ..    | ..    | ..    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 94                            | *217  | *258  | 254   | 333   | *342  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 51                            | 139   | 287   | *161  | 272   | 272   |
| Combustible fuels                                      | 51                            | 138   | 286   | *160  | 271   | 271   |
| Hydro  | ..                            | 1     | 1     | 1     | 1     | 1     |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 51                            | 139   | 287   | *161  | 272   | 272   |
| Combustible fuels                                      | 51                            | 138   | 286   | *160  | 271   | 271   |
| Hydro  | ..                            | 1     | 1     | 1     | 1     | 1     |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *1505                         | *3526 | *4042 | *4012 | *4554 | *4812 |
| <b>Total input</b>                                     | *1505                         | *3526 | *4042 | *4012 | *4554 | *4812 |
| <b>Total production</b>                                | 454                           | 1062  | 1256  | 1261  | 1485  | 1538  |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 30    | 31    | 31    | 33    | 32    |

**Statistics on electricity**
**Togo**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 399                           | 360  | 358  | 444  | 950  | 690  |
| Combustible fuels                                      | 234                           | 286  | 233  | 383  | 742  | 485  |
| Hydro  | 165                           | 74   | 125  | 61   | 208  | 205  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 388                           | 353  | 347  | 432  | 937  | 677  |
| Combustible fuels                                      | 223                           | 279  | 222  | 371  | 729  | 472  |
| Hydro  | 165                           | 74   | 125  | 61   | 208  | 205  |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Own use in electricity, CHP and heat plants            | 11                            | 13   | 7    | 16   | 26   | 13   |
| Net production   | 389                           | 347  | 351  | 428  | 924  | 677  |
| Imports  | 679                           | 773  | 857  | 857  | 448  | 747  |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 164                           | 183  | 186  | 184  | 188  | 121  |
| Consumption  | 904                           | 937  | 1023 | 1138 | 1185 | 1313 |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | 277                           | 271  | 309  | 387  | 413  | 436  |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 627                           | 666  | 714  | 751  | 772  | 877  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 227                           | 227  | 227  | 227  | 213  | 225  |
| Combustible fuels                                      | 160                           | 160  | 160  | 160  | 158  | 158  |
| Hydro  | 67                            | 67   | 67   | 67   | 55   | 67   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Main activity  | 219                           | 219  | 219  | 219  | 205  | 217  |
| Combustible fuels                                      | 152                           | 152  | 152  | 152  | 150  | 150  |
| Hydro  | 67                            | 67   | 67   | 67   | 55   | 67   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | ..   | ..   | ..   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 275                           | 237  | 185  | 305  | 172  | 172  |
| Fuel oil   | 1026                          | 1382 | 1381 | 1397 | 5239 | 3621 |
| Natural gas  | 654                           | 844  | 1481 | 1467 | 262  | 0    |
| Vegetal waste  | 72                            | 76   | 80   | 85   | 89   | 93   |
| Kerosene-type jet fuel                                 | 88                            | 88   | 88   | 88   | 88   | 88   |
| <b>Total input</b>                                     | 2115                          | 2626 | 3215 | 3342 | 5851 | 3975 |
| <b>Total production</b>                                | 843                           | 1031 | 839  | 1380 | 2671 | 1745 |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 39   | 26   | 41   | 46   | 44   |

## Statistics on electricity

### Tonga

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 52                            | 53   | 55   | 55   | 60   | 62   |
| Combustible fuels                                      | 52                            | 51   | 52   | 52   | 55   | 58   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | 2    | 2    | 3    | 5    | 4    |
| Main activity  | 52                            | 53   | 55   | 55   | 60   | 62   |
| Combustible fuels                                      | 52                            | 51   | 52   | 52   | 55   | 58   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | 2    | 2    | 3    | 5    | 4    |
| Own use in electricity, CHP and heat plants            | 2                             | 2    | 2    | 1    | 2    | 2    |
| Net production   | 50                            | 51   | 53   | 54   | 58   | 60   |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 6                             | 5    | 5    | 5    | 5    | 6    |
| Consumption  | *45                           | *46  | *48  | *49  | *53  | *55  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *45                           | *46  | *48  | *49  | *53  | *55  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *14                           | *15  | *16  | *17  | 20   | 24   |
| Combustible fuels                                      | *14                           | *14  | *14  | *15  | 17   | 18   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | *1   | *2   | *2   | 2    | 6    |
| Main activity  | *14                           | *15  | *16  | *17  | 20   | 24   |
| Combustible fuels                                      | *14                           | *14  | *14  | *15  | 17   | 18   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | *1   | *2   | *2   | 2    | 6    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | 0                             | ..   | ..   | ..   | ..   | ..   |
| Fuel oil   | 493                           | 493  | 492  | 487  | *518 | *542 |
| <b>Total input</b>                                     | 493                           | 493  | 492  | 487  | *518 | *542 |
| <b>Total production</b>                                | 189                           | 185  | 187  | 188  | 199  | 208  |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 37   | 38   | 39   | 38   | 38   |



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

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 9132                          | 9505   | 9895   | 10300  | 10712  | 11033  |
| Combustible fuels                                      | 9128                          | 9501   | 9891   | 10296  | 10708  | 11029  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 4                             | 4      | 4      | 4      | 4      | 4      |
| Main activity  | 9057                          | 9427   | 9813   | 10215  | 10624  | 10942  |
| Combustible fuels                                      | 9053                          | 9423   | 9809   | 10211  | 10620  | 10938  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 4                             | 4      | 4      | 4      | 4      | 4      |
| Own use in electricity, CHP and heat plants            | 332                           | 346    | 360    | 375    | 390    | 402    |
| Net production   | 8800                          | 9159   | 9535   | 9925   | 10322  | 10631  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Losses   | 239                           | 234    | 228    | 221    | 206    | 213    |
| Consumption  | 8560                          | 8926   | 9306   | 9703   | 10092  | 10419  |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 5175                          | 5396   | 5626   | 5866   | 6101   | 6299   |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 3385                          | 3530   | 3680   | 3837   | 3991   | 4120   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 2491                          | 2494   | 2499   | 2502   | 2505   | 2509   |
| Combustible fuels                                      | 2488                          | 2491   | 2496   | 2499   | 2502   | 2506   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 3                             | 3      | 3      | 3      | 3      | 3      |
| Main activity  | 2405                          | 2405   | 2405   | 2405   | 2405   | 2405   |
| Combustible fuels                                      | 2402                          | 2402   | 2402   | 2402   | 2402   | 2402   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 3                             | 3      | 3      | 3      | 3      | 3      |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | 215                           | 215    | 215    | 215    | 301    | 301    |
| Other oil products                                     | 0                             | 0      | 0      | 80     | 201    | 161    |
| Natural gas  | 122678                        | 122343 | 121136 | 118721 | 109361 | 101417 |
| <b>Total input</b>                                     | 122893                        | 122558 | 121351 | 119016 | 109863 | 101879 |
| <b>Total production</b>                                | 32861                         | 34204  | 35608  | 37066  | 38549  | 39704  |
| <b>Estimated efficiency (% of production to input)</b> | 27                            | 28     | 29     | 31     | 35     | 39     |

**Statistics on electricity**
**Tunisia**

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 18059                         | 18382  | 19024  | 19676  | 19808  | 20589  |
| Combustible fuels                                      | 17537                         | 17740  | 18254  | 18904  | 19002  | 19758  |
| Hydro  | 110                           | 60     | 56     | 69     | 45     | 17     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 412                           | 582    | 714    | 703    | 761    | 814    |
| Main activity  | 17425                         | 17637  | 18257  | 18691  | 18634  | 19402  |
| Combustible fuels                                      | 17119                         | 17219  | 17694  | 18174  | 18115  | 18936  |
| Hydro  | 110                           | 60     | 56     | 69     | 45     | 17     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 196                           | 358    | 507    | 448    | 474    | 449    |
| Own use in electricity, CHP and heat plants            | 647                           | 641    | 653    | 559    | 492    | 428    |
| Net production   | 17412                         | 17741  | 18371  | 19117  | 19316  | 20161  |
| Imports  | 384                           | 177    | 536    | 403    | 134    | 450    |
| Exports  | 426                           | 233    | 625    | 500    | 255    | 483    |
| Losses   | 2735                          | 2707   | 2842   | 3166   | 3052   | 3507   |
| Consumption  | 14632                         | 14970  | 15418  | 16377  | 16001  | 16542  |
| Energy industries own use                              | 246                           | 241    | 228    | 940    | 432    | 429    |
| By industry and construction                           | 5113                          | 5305   | 5445   | 5478   | 5423   | 5389   |
| By transport   | 96                            | 93     | 93     | 94     | 96     | 94     |
| By households and other cons.                          | 9177                          | 9331   | 9652   | 9865   | 10050  | 10630  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | 4279                          | 4539   | 5005   | 5447   | 5513   | 5723   |
| Combustible fuels                                      | 4041                          | 4270   | 4695   | 5120   | 5174   | 5372   |
| Hydro  | 62                            | 62     | 62     | 62     | 62     | 62     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 176                           | 207    | 248    | 265    | 277    | 289    |
| Main activity  | 4117                          | 4334   | 4792   | 5224   | 5278   | 5476   |
| Combustible fuels                                      | 3882                          | 4072   | 4497   | 4922   | 4976   | 5174   |
| Hydro  | 62                            | 62     | 62     | 62     | 62     | 62     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | 173                           | 200    | 233    | 240    | 240    | 240    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Gas-diesel oil   | 43                            | 43     | 43     | 146    | 86     | 37     |
| Fuel oil   | 0                             | 646    | 3394   | 9534   | 687    | 727    |
| Natural gas  | 165591                        | 167834 | 173915 | 167766 | 169416 | 173384 |
| <b>Total input</b>                                     | 165634                        | 168523 | 177352 | 177447 | 170189 | 174149 |
| <b>Total production</b>                                | 63133                         | 63864  | 65714  | 68054  | 68407  | 71129  |
| <b>Estimated efficiency (% of production to input)</b> | 38                            | 38     | 37     | 38     | 40     | 41     |

## Statistics on electricity

### Turkey

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 239496                        | 240154  | 251963  | 261783  | 274408  | 297277  |
| Combustible fuels                                      | 174760                        | 171535  | 200079  | 178871  | 185085  | 211291  |
| Hydro  | 57865                         | 59420   | 40645   | 67146   | 67231   | 58219   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 6871                          | 9199    | 11239   | 15766   | 22092   | 27767   |
| Main activity  | 226225                        | 226756  | 233781  | 243163  | 253746  | 276992  |
| Combustible fuels                                      | 163261                        | 159495  | 183126  | 161979  | 166450  | 193608  |
| Hydro  | 56207                         | 58344   | 39764   | 65924   | 66386   | 57252   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 6757                          | 8917    | 10891   | 15260   | 20910   | 26132   |
| Own use in electricity, CHP and heat plants            | 11789                         | 11177   | 12514   | 11883   | 12471   | 13019   |
| Net production   | 227707                        | 228977  | 239449  | 249900  | 261937  | 284258  |
| Imports  | 5827                          | 7429    | 7953    | 7136    | 6330    | 2728    |
| Exports  | 2954                          | 1227    | 2696    | 3195    | 1452    | 3304    |
| Losses   | 35657                         | 37134   | 37331   | 36528   | 35611   | 34659   |
| Consumption  | 194923                        | 198045  | 207375  | 217313  | 231204  | 249023  |
| Energy industries own use                              | 2027                          | 1877    | 1933    | 2812    | 3034    | 3129    |
| By industry and construction                           | 90275                         | 91384   | 95844   | 100723  | 105263  | 113353  |
| By transport   | 799                           | 826     | 916     | 1062    | 1156    | 1293    |
| By households and other cons.                          | 101822                        | 103958  | 108682  | 112716  | 121751  | 131248  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 57059                         | 64007   | 69520   | 73147   | 78497   | 85201   |
| Combustible fuels                                      | 35005                         | 38590   | 41730   | 41810   | 44278   | 46762   |
| Hydro  | 19609                         | 22289   | 23643   | 25868   | 26681   | 27273   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 2445                          | 3128    | 4147    | 5469    | 7538    | 11166   |
| Main activity  | 53753                         | 60481   | 65216   | 68694   | 73220   | 79011   |
| Combustible fuels                                      | 32266                         | 35671   | 38047   | 37999   | 40055   | 42345   |
| Hydro  | 19065                         | 21745   | 23099   | 25324   | 26131   | 26722   |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | 2422                          | 3065    | 4070    | 5371    | 7034    | 9944    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 320640                        | 318688  | 373458  | 423837  | 479342  | 518561  |
| Brown Coal   | 475756                        | 479314  | 568241  | 431698  | 518993  | 550750  |
| Biogas   | 5387                          | 8511    | 9653    | 11119   | 14721   | 17568   |
| Gas-diesel oil   | 4988                          | 4773    | 4386    | 9675    | 7095    | 5074    |
| Fuel oil   | 10504                         | 12605   | 18342   | 10585   | 10342   | 5010    |
| Natural gas  | 832166                        | 816124  | 897578  | 763792  | 684008  | 805751  |
| Coke-oven gas  | 10257                         | 9375    | 8965    | 9296    | 8328    | 10686   |
| Blast furnace gas                                      | 18213                         | 20524   | 23648   | 22876   | 23748   | 25637   |
| Fuelwood   | *534                          | *588    | *589    | *556    | *986    | *3288   |
| Industrial waste                                       | 210                           | 184     | 144     | 1362    | 2067    | 2446    |
| <b>Total input</b>                                     | 1678655                       | 1670686 | 1905003 | 1684796 | 1749630 | 1944771 |
| <b>Total production</b>                                | 629136                        | 617526  | 720284  | 643936  | 666306  | 760648  |
| <b>Estimated efficiency (% of production to input)</b> | 37                            | 37      | 38      | 38      | 38      | 39      |

## Statistics on electricity

### Turkmenistan

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 17750                         | 18870  | 20400  | 22534  | 22534  | 22534  |
| Combustible fuels                                      | 17750                         | 18870  | 20400  | 22534  | 22534  | 22534  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | 17750                         | 18870  | 20400  | 22534  | 22534  | 22534  |
| Combustible fuels                                      | 17750                         | 18870  | 20400  | 22534  | 22534  | 22534  |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Own use in electricity, CHP and heat plants            | 1341                          | 1426   | 1542   | 1703   | 1703   | 1703   |
| Net production   | 16409                         | 17444  | 18858  | 20831  | 20831  | 20831  |
| Imports  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Exports  | 2720                          | 2850   | 3210   | 3201   | 3201   | 3201   |
| Losses   | 2235                          | 2385   | 2547   | 2895   | 2895   | 2895   |
| Consumption  | 11454                         | 12209  | 13101  | 14735  | 14735  | 14735  |
| Energy industries own use                              | 1759                          | 1875   | 2012   | 2262   | 2262   | 2262   |
| By industry and construction                           | 3498                          | 3729   | 4001   | 4500   | 4500   | 4500   |
| By transport   | 251                           | 268    | 288    | 324    | 324    | 324    |
| By households and other cons.                          | 5946                          | 6337   | 6800   | 7649   | 7649   | 7649   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | *3400                         | *3800  | *4000  | *4400  | 4674   | 5200   |
| Combustible fuels                                      | *3400                         | *3800  | *4000  | *4400  | 4674   | 5200   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Main activity  | *3400                         | *3800  | *4000  | *4400  | 4674   | 5200   |
| Combustible fuels                                      | *3400                         | *3800  | *4000  | *4400  | 4674   | 5200   |
| Hydro  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | ..                            | ..     | ..     | ..     | ..     | ..     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Natural gas  | 359318                        | 364393 | 371853 | 410752 | 410752 | 410752 |
| <b>Total input</b>                                     | 359318                        | 364393 | 371853 | 410752 | 410752 | 410752 |
| <b>Total production</b>                                | 63900                         | 67932  | 73440  | 81122  | 81122  | 81122  |
| <b>Estimated efficiency (% of production to input)</b> | 18                            | 19     | 20     | 20     | 20     | 20     |

Statistics on electricity

Turks and Caicos Islands

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | *210                          | *209  | *227  | *239  | *250  | *238  |
| Combustible fuels                                      | *210                          | *209  | *227  | *239  | *250  | *236  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | *2    |
| Main activity  | *210                          | *209  | *227  | *239  | *250  | *238  |
| Combustible fuels                                      | *210                          | *209  | *227  | *239  | *250  | *236  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | *2    |
| Own use in electricity, CHP and heat plants            | *4                            | *4    | *5    | *5    | *5    | *8    |
| Net production   | *206                          | *205  | *222  | *234  | *245  | *230  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | *12                           | *12   | *13   | *14   | *15   | *14   |
| Consumption  | 194                           | 193   | 209   | *220  | 230   | 216   |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | ..                            | ..    | ..    | ..    | ..    | ..    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 194                           | 193   | 209   | *220  | 230   | 216   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 76                            | 76    | 79    | 82    | 82    | 83    |
| Combustible fuels                                      | 76                            | 76    | 79    | 82    | 82    | 82    |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | 1     |
| Main activity  | 76                            | 76    | 79    | 82    | 82    | 83    |
| Combustible fuels                                      | 76                            | 76    | 79    | 82    | 82    | 82    |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | 1     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *2236                         | *2236 | *2408 | *2494 | *2580 | *2666 |
| <b>Total input</b>                                     | *2236                         | *2236 | *2408 | *2494 | *2580 | *2666 |
| <b>Total production</b>                                | *756                          | *752  | *817  | *860  | *900  | *850  |
| <b>Estimated efficiency (% of production to input)</b> | 34                            | 34    | 34    | 34    | 35    | 32    |

**Statistics on electricity**
**Tuvalu**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | *5                            | *5   | *5   | *7   | *8   | *9   |
| Combustible fuels                                      | *5                            | *5   | *5   | *5   | *5   | *5   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 2    | *3   | *4   |
| Main activity  | *5                            | *5   | *5   | *7   | *8   | *9   |
| Combustible fuels                                      | *5                            | *5   | *5   | *5   | *5   | *5   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 2    | *3   | *4   |
| Own use in electricity, CHP and heat plants            | 0                             | 0    | 0    | 0    | 0    | 0    |
| Net production   | *5                            | *5   | *5   | *7   | *8   | *9   |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | ..                            | ..   | ..   | ..   | ..   | ..   |
| Consumption  | *5                            | *5   | *5   | *7   | *8   | *9   |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *5                            | *5   | *5   | *7   | *8   | *9   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | *3                            | 3    | 3    | *4   | *5   | *5   |
| Combustible fuels                                      | *3                            | 3    | 3    | *3   | *2   | *2   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 1    | *3   | *3   |
| Main activity  | *3                            | 3    | 3    | *4   | *5   | *5   |
| Combustible fuels                                      | *3                            | 3    | 3    | *3   | *2   | *2   |
| Hydro  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | ..                            | ..   | ..   | 1    | *3   | *3   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *69                           | *69  | *69  | *69  | *69  | *69  |
| <b>Total input</b>                                     | *69                           | *69  | *69  | *69  | *69  | *69  |
| <b>Total production</b>                                | *18                           | *18  | *18  | *18  | *18  | *18  |
| <b>Estimated efficiency (% of production to input)</b> | 27                            | 27   | 27   | 27   | 27   | 27   |

**Statistics on electricity**
**Uganda**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 2909                          | 3416  | 3551  | 3473  | 3535  | 3856  |
| Combustible fuels                                      | 378                           | 128   | 307   | 245   | 244   | 392   |
| Hydro  | 2530                          | 3289  | 3244  | 3228  | 3287  | 3441  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | 4     | 23    |
| Main activity  | 2543                          | 2939  | 2985  | 3024  | 3069  | 3438  |
| Combustible fuels                                      | 284                           | 2     | 93    | 74    | 66    | 242   |
| Hydro  | 2259                          | 2937  | 2891  | 2950  | 2999  | 3173  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | 4     | 23    |
| Own use in electricity, CHP and heat plants            | 10                            | 10    | 14    | 15    | 0     | 0     |
| Net production   | 2899                          | 3406  | 3537  | 3458  | 3535  | 3856  |
| Imports  | 35                            | 46    | 33    | 48    | 41    | 13    |
| Exports  | 99                            | 106   | 168   | 122   | 265   | 317   |
| Losses   | 696                           | 714   | 634   | 594   | 656   | 609   |
| Consumption  | *2138                         | 2631  | 2768  | 2791  | 2654  | 2944  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | *1131                         | 1349  | 1602  | 1576  | 1657  | 1792  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | *1007                         | 1282  | 1166  | 1215  | 997   | 1153  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 718                           | 828   | 885   | 896   | 904   | 938   |
| Combustible fuels                                      | 136                           | 136   | 190   | 201   | 201   | 212   |
| Hydro  | 582                           | 692   | 695   | 695   | 695   | 707   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | *8    | 19    |
| Main activity  | 650                           | 730   | 766   | 766   | 774   | 783   |
| Combustible fuels                                      | 120                           | 100   | 136   | 136   | 136   | 136   |
| Hydro  | 530                           | 630   | 630   | 630   | 630   | 630   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | *8    | 17    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | *2795                         | *22   | *989  | 43    | *43   | 1892  |
| Fuel oil   | 40                            | *20   | *117  | 695   | *687  | *727  |
| Bagasse  | *1815                         | *2413 | *4112 | *3305 | *3614 | *3050 |
| <b>Total input</b>                                     | *4650                         | *2455 | *5218 | *4043 | *4344 | *5669 |
| <b>Total production</b>                                | 1361                          | 459   | 1104  | 881   | 878   | 1410  |
| <b>Estimated efficiency (% of production to input)</b> | 29                            | 19    | 21    | 22    | 20    | 25    |

**Statistics on electricity**
**Ukraine**

| Item   | 2012                          | 2013    | 2014    | 2015   | 2016   | 2017   |
|--|-------------------------------|---------|---------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |        |        |        |
| Total main activity and autoproducer                   | 198878                        | 194377  | 182815  | 163682 | 164573 | 156037 |
| Combustible fuels                                      | 97126                         | 95487   | 83549   | 67523  | 72795  | 58173  |
| Hydro  | 10994                         | 14472   | 9318    | 6971   | 9304   | 10520  |
| Nuclear  | 90137                         | 83209   | 88389   | 87627  | 80950  | 85576  |
| Other  | 621                           | 1209    | 1559    | 1561   | 1524   | 1768   |
| Main activity  | 195105                        | 191177  | 179888  | 161468 | 158806 | 152061 |
| Combustible fuels                                      | 93373                         | 92310   | 80644   | 65328  | 67136  | 54274  |
| Hydro  | 10974                         | 14450   | 9299    | 6954   | 9281   | 10516  |
| Nuclear  | 90137                         | 83209   | 88389   | 87627  | 80950  | 85576  |
| Other  | 621                           | 1208    | 1556    | 1559   | 1439   | 1695   |
| Own use in electricity, CHP and heat plants            | 15481                         | 15293   | 14385   | 13032  | 12684  | 11131  |
| Net production   | 183397                        | 179084  | 168430  | 150650 | 151889 | 144906 |
| Imports  | 93                            | 39      | 89      | 2241   | 77     | 50     |
| Exports  | 11560                         | 9929    | 8523    | 3591   | 3830   | 5226   |
| Losses   | 21421                         | 20714   | 19615   | 17442  | 16626  | 16787  |
| Consumption  | 149817                        | 148480  | 134981  | 126024 | 125257 | 123388 |
| Energy industries own use                              | 12149                         | 10949   | 6594    | 7035   | 7817   | 6022   |
| By industry and construction                           | 63101                         | 58584   | 54401   | 49963  | 49941  | 50235  |
| By transport   | 9279                          | 8690    | 8072    | 6807   | 6796   | 7044   |
| By households and other cons.                          | 65288                         | 70257   | 65914   | 62219  | 60703  | 60087  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |        |        |        |
| Total main activity and autoproducer                   | 55001                         | 55914   | 55843   | 55904  | 57335  | 52764  |
| Combustible fuels                                      | 35129                         | 35616   | 35335   | 35335  | 36475  | 31492  |
| Hydro  | 5470                          | 5489    | 5851    | 5883   | 6172   | 6213   |
| Nuclear  | 13835                         | 13835   | 13835   | 13835  | 13835  | 13835  |
| Other  | 567                           | 974     | 822     | 851    | 853    | 1224   |
| Main activity  | 51645                         | 52578   | 52910   | 53145  | 53866  | 50499  |
| Combustible fuels                                      | 31778                         | 32290   | 32410   | 32584  | 33013  | 29265  |
| Hydro  | 5465                          | 5484    | 5847    | 5878   | 6167   | 6206   |
| Nuclear  | 13835                         | 13835   | 13835   | 13835  | 13835  | 13835  |
| Other  | 567                           | 969     | 818     | 848    | 851    | 1193   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |        |        |        |
| Hard Coal  | 1001244                       | 972367  | 855610  | 691875 | 739606 | 596334 |
| Biogas   | ..                            | ..      | ..      | 161    | 596    | 865    |
| Gas-diesel oil   | 301                           | 301     | 258     | 215    | 301    | 430    |
| Fuel oil   | 3717                          | 3192    | 2020    | 11029  | 24280  | 21210  |
| Liquefied petroleum gas                                | ..                            | ..      | ..      | ..     | 47     | 47     |
| Other oil products                                     | 603                           | 1769    | 1648    | 804    | 1005   | 925    |
| Natural gas  | 288423                        | 240341  | 204757  | 169205 | 157126 | 145990 |
| Coke-oven gas  | 27085                         | 26254   | 10037   | 6939   | 9809   | 14391  |
| Blast furnace gas                                      | 24777                         | 26079   | 23785   | 18013  | 25568  | 26744  |
| Peat products  | 0                             | 0       | 0       | 127    | 176    | 195    |
| Others   | 743                           | 594     | 16380   | 18328  | -35623 | 0      |
| <b>Total input</b>                                     | 1346893                       | 1270896 | 1114495 | 916695 | 922891 | 807131 |
| <b>Total production</b>                                | 349654                        | 343753  | 300776  | 243083 | 262062 | 209423 |
| <b>Estimated efficiency (% of production to input)</b> | 26                            | 27      | 27      | 27     | 28     | 26     |



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

| Item   | 2012                          | 2013     | 2014     | 2015     | 2016     | 2017     |
|--|-------------------------------|----------|----------|----------|----------|----------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |          |          |          |          |          |
| Total main activity and autoproducer                   | 106222                        | 109979   | 116528   | 127366   | 129596   | 134553   |
| Combustible fuels                                      | 106203                        | 109926   | 116237   | 127075   | 129287   | 133761   |
| Hydro  | ..                            | ..       | ..       | ..       | ..       | ..       |
| Nuclear  | ..                            | ..       | ..       | ..       | ..       | ..       |
| Other  | 19                            | 53       | 291      | 291      | 309      | 792      |
| Main activity  | 106222                        | 109979   | 116528   | 127366   | 129596   | 134553   |
| Combustible fuels                                      | 106203                        | 109926   | 116237   | 127075   | 129287   | 133761   |
| Hydro  | ..                            | ..       | ..       | ..       | ..       | ..       |
| Nuclear  | ..                            | ..       | ..       | ..       | ..       | ..       |
| Other  | 19                            | 53       | 291      | 291      | 309      | 792      |
| Own use in electricity, CHP and heat plants            | 4768                          | 4616     | 4843     | 4429     | 2392     | 7487     |
| Net production   | 101454                        | 105363   | 111685   | 122937   | 127204   | 127066   |
| Imports  | 215                           | 226      | 248      | 234      | 1141     | 514      |
| Exports  | 249                           | 242      | 276      | 249      | 506      | 617      |
| Losses   | 7363                          | 7623     | 8363     | 9141     | 9697     | 11718    |
| Consumption  | 88247                         | 95365    | 101174   | 111076   | *113929  | 115245   |
| Energy industries own use                              | ..                            | ..       | ..       | ..       | ..       | ..       |
| By industry and construction                           | 8140                          | 13564    | 11196    | 12973    | *13983   | 15071    |
| By transport   | ..                            | ..       | ..       | ..       | ..       | ..       |
| By households and other cons.                          | 80107                         | 81801    | 89978    | 98103    | *99946   | 100174   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |          |          |          |          |          |
| Total main activity and autoproducer                   | 27180                         | 27858    | 28829    | 28745    | 28761    | 30371    |
| Combustible fuels                                      | 27170                         | 27735    | 28706    | 28622    | 28638    | 30048    |
| Hydro  | ..                            | ..       | ..       | ..       | ..       | ..       |
| Nuclear  | ..                            | ..       | ..       | ..       | ..       | ..       |
| Other  | 10                            | 123      | 123      | 123      | 123      | 323      |
| Main activity  | 27180                         | 27858    | 28829    | 28745    | 28761    | 30371    |
| Combustible fuels                                      | 27170                         | 27735    | 28706    | 28622    | 28638    | 30048    |
| Hydro  | ..                            | ..       | ..       | ..       | ..       | ..       |
| Nuclear  | ..                            | ..       | ..       | ..       | ..       | ..       |
| Other  | 10                            | 123      | 123      | 123      | 123      | 323      |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |          |          |          |          |          |
| Gas-diesel oil   | *24725                        | *28982   | 21887    | 23521    | *23650   | 22747    |
| Fuel oil   | *1980                         | *2141    | 1899     | 2020     | *2141    | 1939     |
| Natural gas  | *1240439                      | *1271764 | *1366572 | *1248672 | *1657880 | *1717468 |
| <b>Total input</b>                                     | *1267143                      | *1302887 | *1390358 | *1274213 | *1683671 | *1742154 |
| <b>Total production</b>                                | 382331                        | 395734   | 418453   | 457470   | 465433   | 481540   |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 30       | 30       | 36       | 28       | 28       |

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

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 363879                        | 358290  | 338100  | 338876  | 339298  | 338338  |
| Combustible fuels                                      | 263993                        | 249666  | 229566  | 211684  | 211550  | 197668  |
| Hydro  | 8276                          | 7605    | 8771    | 9037    | 8349    | 8801    |
| Nuclear  | 70405                         | 70607   | 63748   | 70345   | 71726   | 70336   |
| Other  | 21205                         | 30412   | 36015   | 47810   | 47673   | 61533   |
| Main activity  | 322792                        | 320575  | 296460  | 290768  | 287282  | 282788  |
| Combustible fuels                                      | 228094                        | 219497  | 198432  | 178115  | 175898  | 161417  |
| Hydro  | 7136                          | 6513    | 7518    | 7646    | 6910    | 7051    |
| Nuclear  | 70405                         | 70607   | 63748   | 70345   | 71726   | 70336   |
| Other  | 17157                         | 23958   | 26762   | 34662   | 32748   | 43984   |
| Own use in electricity, CHP and heat plants            | 17990                         | 17856   | 16483   | 16413   | 15024   | 14899   |
| Net production   | 345889                        | 340434  | 321617  | 322463  | 324274  | 323439  |
| Imports  | 13775                         | 17532   | 23244   | 22961   | 20018   | 18167   |
| Exports  | 1911                          | 3101    | 2723    | 1855    | 2273    | 3407    |
| Losses   | 28294                         | 26550   | 27448   | 28639   | 26618   | 26144   |
| Consumption  | 329461                        | 328251  | 314691  | 314692  | 315154  | 311773  |
| Energy industries own use                              | 11066                         | 11893   | 11753   | 11137   | 11250   | 11090   |
| By industry and construction                           | 98579                         | 97067   | 93157   | 93014   | 91916   | 92659   |
| By transport   | 4480                          | 4352    | 4505    | 4516    | 4686    | 4783    |
| By households and other cons.                          | 215336                        | 214939  | 205276  | 206025  | 207302  | 203241  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | 96047                         | 93620   | 96622   | 96240   | 97535   | 103473  |
| Combustible fuels                                      | 70872                         | 65034   | 63600   | 58316   | 55360   | 56864   |
| Hydro  | 4437                          | 4453    | 4474    | 4521    | 4579    | 4619    |
| Nuclear  | 9946                          | 9906    | 9937    | 9487    | 9497    | 9361    |
| Other  | 10792                         | 14227   | 18611   | 23916   | 28099   | 32629   |
| Main activity  | 86296                         | 82477   | 81780   | 78788   | 77623   | 82886   |
| Combustible fuels                                      | 64513                         | 59171   | 57085   | 51961   | 48730   | 50057   |
| Hydro  | 4221                          | 4221    | 4221    | 4201    | 4204    | 4208    |
| Nuclear  | 9946                          | 9906    | 9937    | 9487    | 9497    | 9361    |
| Other  | 7616                          | 9179    | 10537   | 13139   | 15192   | 19260   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Hard Coal  | 1396572                       | 1276300 | 980129  | 758859  | 317097  | 229980  |
| Biogas   | 79201                         | 81642   | 84381   | 88392   | 93875   | 93383   |
| Fuel oil   | 12968                         | 7070    | 5575    | 6706    | 6504    | 4727    |
| Refinery gas   | 9455                          | 10989   | 11732   | 12128   | 12425   | 13068   |
| Natural gas  | 779553                        | 741128  | 784213  | 765476  | 1073078 | 1029712 |
| Blast furnace gas                                      | 24742                         | 30969   | 30624   | 26847   | 19347   | 18055   |
| Fuelwood   | *45165                        | *68693  | *92732  | *113588 | *120853 | *120519 |
| Vegetal waste  | *14879                        | *12649  | *19731  | *24772  | *17767  | *30834  |
| Municipal waste  | 34285                         | 31890   | 40538   | 53712   | 66246   | 70214   |
| Industrial waste                                       | 13317                         | 4583    | 8556    | 9348    | 16912   | 7732    |
| Others   | 14714                         | 13803   | 12445   | 11376   | 7079    | 7736    |
| <b>Total input</b>                                     | 2424850                       | 2279715 | 2070655 | 1871203 | 1751183 | 1625960 |
| <b>Total production</b>                                | 950375                        | 898798  | 826438  | 762062  | 761580  | 711605  |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 39      | 40      | 41      | 43      | 44      |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 5625                          | 5940  | 6216  | 6487  | 7895  | 7978  |
| Combustible fuels                                      | 3849                          | 4209  | 3611  | 4364  | 5511  | 5609  |
| Hydro  | 1767                          | 1717  | 2590  | 2108  | 2366  | 2350  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 9                             | 14    | 15    | 15    | 18    | 19    |
| Main activity  | 5616                          | 5926  | 6201  | 6472  | 7877  | 7959  |
| Combustible fuels                                      | 3849                          | 4209  | 3611  | 4364  | 5511  | 5609  |
| Hydro  | 1767                          | 1717  | 2590  | 2108  | 2366  | 2350  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 0                             | 0     | 0     | 0     | 0     | 0     |
| Net production   | 5625                          | 5940  | 6216  | 6487  | 7895  | 7978  |
| Imports  | 61                            | 60    | 59    | 71    | 102   | 106   |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 1048                          | 1140  | 1135  | 1120  | 1221  | 1234  |
| Consumption  | 4450                          | 4850  | 4991  | 5265  | 5388  | 5952  |
| Energy industries own use                              | 9                             | 14    | 15    | 15    | 18    | 19    |
| By industry and construction                           | 1089                          | 1223  | 1270  | 1362  | 1358  | 1525  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 3352                          | 3613  | 3706  | 3888  | 4012  | 4408  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 1114                          | 1115  | 1115  | 1374  | 1387  | 1412  |
| Combustible fuels                                      | *546                          | *546  | *546  | 800   | 808   | 829   |
| Hydro  | 562                           | 562   | 562   | 567   | 567   | 562   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | *6                            | *7    | *7    | *7    | *12   | 22    |
| Main activity  | 1088                          | 1088  | 1088  | 1347  | 1356  | 1358  |
| Combustible fuels                                      | *526                          | *526  | *526  | 780   | 788   | 796   |
| Hydro  | 562                           | 562   | 562   | 567   | 567   | 562   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 3182                          | 8428  | 5160  | 9804  | 14749 | 15609 |
| Fuel oil   | 8444                          | 8201  | 7676  | 9534  | 2262  | 768   |
| Natural gas  | 31751                         | 31411 | 28623 | 27590 | 25558 | 23505 |
| Bagasse  | 342                           | 378   | 396   | 378   | 378   | 384   |
| <b>Total input</b>                                     | 43719                         | 48418 | 41855 | 47306 | 42947 | 40266 |
| <b>Total production</b>                                | 13856                         | 15152 | 13000 | 15710 | 19840 | 20192 |
| <b>Estimated efficiency (% of production to input)</b> | 32                            | 31    | 31    | 33    | 46    | 50    |

**Statistics on electricity**
**United States**

| Item   | 2012                          | 2013     | 2014     | 2015     | 2016     | 2017     |
|--|-------------------------------|----------|----------|----------|----------|----------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |          |          |          |          |          |
| Total main activity and autoproducer                   | 4290660                       | 4306371  | 4340371  | 4317159  | 4322038  | 4286423  |
| Combustible fuels                                      | 3016908                       | 2985891  | 2995556  | 2962870  | 2886040  | 2770050  |
| Hydro  | 298287                        | 290113   | 281527   | 271129   | 292113   | 325114   |
| Nuclear  | 801129                        | 822004   | 830584   | 830288   | 839918   | 838861   |
| Other  | 174336                        | 208363   | 232704   | 252872   | 303967   | 352398   |
| Main activity  | 4116563                       | 4128386  | 4166530  | 4139295  | 4141317  | 4100487  |
| Combustible fuels                                      | 2854720                       | 2822349  | 2835071  | 2802188  | 2725711  | 2608106  |
| Hydro  | 295887                        | 286579   | 280195   | 269675   | 290596   | 323458   |
| Nuclear  | 801129                        | 822004   | 830584   | 830288   | 839918   | 838861   |
| Other  | 164827                        | 197454   | 220680   | 237144   | 285092   | 330062   |
| Own use in electricity, CHP and heat plants            | 213509                        | 212970   | 216819   | 207940   | 202593   | 200420   |
| Net production   | 4077151                       | 4093401  | 4123552  | 4109219  | 4119445  | 4086003  |
| Imports  | 59257                         | 70355    | 66511    | 75770    | 69601    | 65685    |
| Exports  | 11995                         | 11353    | 13298    | 9100     | 9329     | 9371     |
| Losses   | 268753                        | 255322   | 255322   | 255322   | 234807   | 244112   |
| Consumption  | 3855660                       | 3897081  | 3921443  | 3920567  | 3944910  | 3898205  |
| Energy industries own use                              | 128886                        | 129517   | 132489   | 139731   | 137199   | 160088   |
| By industry and construction                           | 845911                        | 846485   | 821040   | 806248   | 796896   | 778436   |
| By transport   | 6841                          | 7234     | 7605     | 8872     | 10605    | 11089    |
| By households and other cons.                          | 2874022                       | 2913845  | 2960309  | 2965716  | 3000210  | 2948592  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |          |          |          |          |          |
| Total main activity and autoproducer                   | 1067878                       | 1065293  | 1074544  | 1072470  | 1086849  | 1100333  |
| Combustible fuels                                      | 793352                        | 787297   | 787407   | 771732   | 764787   | 762765   |
| Hydro  | 101106                        | 101589   | 102162   | 102239   | 102692   | 102703   |
| Nuclear  | 101885                        | 99240    | 98569    | 98672    | 99565    | 99629    |
| Other  | 71535                         | 77167    | 86406    | 99827    | 119805   | 135236   |
| Main activity  | 1031417                       | 1027776  | 1036351  | 1031496  | 1042991  | 1052995  |
| Combustible fuels                                      | 764085                        | 758052   | 758205   | 742417   | 735654   | 733659   |
| Hydro  | 100442                        | 100911   | 101856   | 101933   | 102335   | 102346   |
| Nuclear  | 101885                        | 99240    | 98569    | 98672    | 99565    | 99629    |
| Other  | 65005                         | 69573    | 77721    | 88474    | 105437   | 117361   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |          |          |          |          |          |
| Hard Coal  | 7847311                       | 8070925  | 8409391  | 6977919  | 6528743  | 6008203  |
| Brown Coal   | 8305577                       | 8624213  | 8268422  | 7554207  | 6817768  | 6992253  |
| Biogas   | 135501                        | 146036   | 162387   | 159616   | 150566   | 151528   |
| Gas-diesel oil   | 53922                         | 56846    | 84452    | 72455    | 56158    | 60931    |
| Fuel oil   | 76841                         | 77204    | 95263    | 92031    | 69044    | 64398    |
| Petroleum coke   | 105658                        | 135785   | 124475   | 115050   | 125580   | 106600   |
| Natural gas  | 10578971                      | 9626697  | 9602281  | 11248873 | 11524237 | 10770702 |
| Vegetal waste  | *97925                        | *106875  | *112040  | *100065  | *83892   | *86064   |
| Municipal waste  | 274975                        | 274962   | 274254   | 271824   | 280711   | 270065   |
| Black liquor   | *116966                       | *127656  | *133826  | *119522  | *100204  | *102798  |
| Others   | 239626                        | 237668   | 246805   | 232047   | 174476   | 170118   |
| <b>Total input</b>                                     | 27833272                      | 27484867 | 27513596 | 26943608 | 25911379 | 24783660 |
| <b>Total production</b>                                | 10860869                      | 10749208 | 10784002 | 10666332 | 10389744 | 9972180  |
| <b>Estimated efficiency (% of production to input)</b> | 39                            | 39       | 39       | 40       | 40       | 40       |

Statistics on electricity

United States Virgin Is.

| Item   | 2012                          | 2013 | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |       |       |       |       |
| Total main activity and autoproducer                   | 881                           | 834  | *788  | *797  | *795  | *611  |
| Combustible fuels                                      | 872                           | 820  | *766  | *766  | *765  | *589  |
| Hydro  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | *9                            | *14  | *22   | *31   | *30   | *21   |
| Main activity  | 873                           | 821  | *772  | *777  | *776  | *597  |
| Combustible fuels                                      | 872                           | 820  | *766  | *766  | *765  | *589  |
| Hydro  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | *1                            | *1   | *6    | *11   | *11   | *8    |
| Own use in electricity, CHP and heat plants            | 94                            | 93   | *87   | *81   | *81   | *61   |
| Net production   | 787                           | 740  | *701  | *715  | *714  | *549  |
| Imports  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Losses   | *63                           | *60  | *60   | *60   | *65   | *50   |
| Consumption  | 724                           | 681  | 641   | *656  | *649  | *499  |
| Energy industries own use                              | ..                            | ..   | ..    | ..    | ..    | ..    |
| By industry and construction                           | 319                           | 309  | 291   | *298  | *273  | *210  |
| By transport   | ..                            | ..   | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 405                           | 371  | 350   | *358  | *376  | *290  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |       |       |       |       |
| Total main activity and autoproducer                   | 337                           | 327  | 333   | *340  | *340  | *340  |
| Combustible fuels                                      | 330                           | 316  | 316   | *316  | *316  | *316  |
| Hydro  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | *7                            | *11  | *17   | *24   | *24   | *24   |
| Main activity  | 331                           | 317  | 321   | *325  | *325  | *325  |
| Combustible fuels                                      | 330                           | 316  | 316   | *316  | *316  | *316  |
| Hydro  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..   | ..    | ..    | ..    | ..    |
| Other  | *1                            | *1   | *5    | *9    | *9    | *9    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |       |       |       |       |
| <b>Total input</b>                                     | ..                            | ..   | ..    | ..    | ..    | ..    |
| <b>Total production</b>                                | 3140                          | 2952 | *2759 | *2758 | *2752 | *2122 |
| <b>Estimated efficiency (% of production to input)</b> | ..                            | ..   | ..    | ..    | ..    | ..    |

## Statistics on electricity

### Uruguay

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 10601                         | 11657 | 13008 | 13733 | 13886 | 14319 |
| Combustible fuels                                      | 5062                          | 3309  | 2623  | 3351  | 2897  | 2803  |
| Hydro  | 5421                          | 8206  | 9649  | 8268  | 7842  | 7518  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 118                           | 143   | 736   | 2114  | 3146  | 3998  |
| Main activity  | 9734                          | 10730 | 11728 | 12128 | 12274 | 12668 |
| Combustible fuels                                      | 4197                          | 2384  | 1349  | 1756  | 1295  | 1167  |
| Hydro  | 5421                          | 8206  | 9649  | 8268  | 7842  | 7518  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 117                           | 140   | 730   | 2104  | 3137  | 3983  |
| Own use in electricity, CHP and heat plants            | 282                           | 325   | 361   | 387   | 394   | 305   |
| Net production   | 10319                         | 11332 | 12647 | 13345 | 13492 | 14014 |
| Imports  | 742                           | 0     | 0     | 2     | 25    | 3     |
| Exports  | 20                            | 206   | 1267  | 1321  | 779   | 1462  |
| Losses   | 1292                          | 1281  | 1252  | 1489  | 1609  | 1694  |
| Consumption  | 9646                          | 9956  | 10239 | 10648 | 11228 | 10910 |
| Energy industries own use                              | 66                            | 106   | 107   | 111   | 116   | 44    |
| By industry and construction                           | 2477                          | 2625  | 2906  | 3250  | 3383  | 3389  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 7103                          | 7225  | 7226  | 7287  | 7729  | 7476  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 2911                          | 3288  | 3713  | 3989  | 3913  | 4546  |
| Combustible fuels                                      | 1320                          | 1689  | 1690  | 1530  | 1075  | 1255  |
| Hydro  | 1538                          | 1538  | 1538  | 1538  | 1538  | 1538  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 53                            | 61    | 485   | 921   | 1301  | 1753  |
| Main activity  | 2644                          | 2844  | 3264  | 3527  | 3447  | 4066  |
| Combustible fuels                                      | 1069                          | 1268  | 1268  | 1098  | 643   | 823   |
| Hydro  | 1538                          | 1538  | 1538  | 1538  | 1538  | 1538  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 37                            | 38    | 458   | 891   | 1266  | 1705  |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 20124                         | 9985  | 2928  | 7534  | 3423  | 1634  |
| Fuel oil   | 18834                         | 9235  | 4444  | 1976  | 1834  | 630   |
| Natural gas  | 71                            | 9     | 10    | 0     | 0     | 365   |
| Fuelwood   | 338                           | 478   | 95    | 237   | 205   | 65    |
| Bagasse  | 54                            | 82    | 100   | 111   | 86    | 86    |
| Vegetal waste  | 2100                          | 2167  | 2595  | 2325  | 2370  | 2339  |
| Black liquor   | 4612                          | 4956  | 6774  | 9463  | 9670  | 10303 |
| <b>Total input</b>                                     | 46134                         | 26911 | 16946 | 21645 | 17587 | 15421 |
| <b>Total production</b>                                | 18224                         | 11911 | 9443  | 12064 | 10430 | 10091 |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 44    | 56    | 56    | 59    | 65    |

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

| Item   | 2012                          | 2013    | 2014    | 2015    | 2016    | 2017    |
|--|-------------------------------|---------|---------|---------|---------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |         |         |         |         |         |
| Total main activity and autoproducer                   | 52500                         | 54850   | 56207   | 57871   | 59318   | 61038   |
| Combustible fuels                                      | 41290                         | 49145   | 50132   | 50802   | 51990   | 52610   |
| Hydro  | 11210                         | 5704    | 6075    | 7069    | 7327    | 8427    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | ..                            | ..      | ..      | 0       | 0       | 1       |
| Main activity  | 52307                         | 54619   | 55766   | 57658   | 59101   | 60821   |
| Combustible fuels                                      | 41097                         | 48914   | 49691   | 50589   | 51773   | 52393   |
| Hydro  | 11210                         | 5704    | 6075    | 7069    | 7327    | 8427    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | ..                            | ..      | ..      | 0       | 0       | 1       |
| Own use in electricity, CHP and heat plants            | 2992                          | 4       | 5       | 415     | 169     | 153     |
| Net production   | 49508                         | 54846   | 56202   | 57456   | 59149   | 60885   |
| Imports  | 12524                         | 184     | 231     | 0       | 0       | 1143    |
| Exports  | 12435                         | 1293    | 1447    | 1088    | 1543    | 1847    |
| Losses   | 4628                          | 9172    | 9195    | 9018    | 9103    | 9831    |
| Consumption  | 44969                         | 44565   | 45791   | 47350   | *48248  | *50350  |
| Energy industries own use                              | 1508                          | ..      | ..      | ..      | ..      | ..      |
| By industry and construction                           | 16644                         | 19670   | 20606   | 21153   | 21397   | 22623   |
| By transport   | 1429                          | 1225    | 1194    | 1166    | 1166    | 1222    |
| By households and other cons.                          | 25388                         | 23669   | 23991   | 25032   | *25685  | *26504  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |         |         |         |         |         |
| Total main activity and autoproducer                   | *12613                        | *12614  | *12629  | *12629  | *12754  | *12800  |
| Combustible fuels                                      | *10867                        | *10867  | *10867  | *10867  | *10958  | *10958  |
| Hydro  | 1746                          | 1746    | 1761    | 1761    | 1794    | 1839    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | ..                            | 1       | 1       | 1       | 2       | 3       |
| Main activity  | *12456                        | *12457  | *12472  | *12472  | *12596  | *12642  |
| Combustible fuels                                      | *10710                        | *10710  | *10710  | *10710  | *10800  | *10800  |
| Hydro  | 1746                          | 1746    | 1761    | 1761    | 1794    | 1839    |
| Nuclear  | ..                            | ..      | ..      | ..      | ..      | ..      |
| Other  | ..                            | 1       | 1       | 1       | 2       | 3       |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |         |         |         |         |         |
| Brown Coal   | 39038                         | *65474  | *56257  | *52681  | *45427  | *55685  |
| Gas-diesel oil   | 0                             | 0       | ..      | ..      | ..      | ..      |
| Fuel oil   | 4606                          | 3353    | 2424    | 1778    | 1818    | *1818   |
| Natural gas  | 550188                        | *587574 | *550254 | *536347 | *577070 | *590430 |
| <b>Total input</b>                                     | 593832                        | *656401 | *608935 | *590806 | *624315 | *647933 |
| <b>Total production</b>                                | 148644                        | 176923  | 180475  | 182888  | 187165  | 189395  |
| <b>Estimated efficiency (% of production to input)</b> | 25                            | 27      | 30      | 31      | 30      | 29      |

**Statistics on electricity**
**Vanuatu**

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | 67                            | *68  | *67  | *64  | *71  | *73  |
| Combustible fuels                                      | 57                            | *58  | *56  | *50  | *56  | *58  |
| Hydro  | 7                             | *7   | *7   | *7   | *7   | *7   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 3                             | *3   | *3   | *7   | *8   | *8   |
| Main activity  | 67                            | *68  | *67  | *64  | *71  | *73  |
| Combustible fuels                                      | 57                            | *58  | *56  | *50  | *56  | *58  |
| Hydro  | 7                             | *7   | *7   | *7   | *7   | *7   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 3                             | *3   | *3   | *7   | *8   | *8   |
| Own use in electricity, CHP and heat plants            | 2                             | *2   | *2   | *2   | *2   | *2   |
| Net production   | 65                            | *66  | *65  | *61  | *69  | *72  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | 3                             | 3    | 3    | *3   | *4   | *4   |
| Consumption  | 61                            | 62   | 61   | 58   | 65   | 68   |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | 61                            | 62   | 61   | 58   | 65   | 68   |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 31                            | 31   | 31   | *32  | *32  | *33  |
| Combustible fuels                                      | 27                            | 27   | 27   | *27  | *27  | *27  |
| Hydro  | 1                             | 1    | 1    | 1    | 1    | *1   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 3                             | 3    | 3    | 3    | 4    | *4   |
| Main activity  | 31                            | 31   | 31   | *32  | *32  | *33  |
| Combustible fuels                                      | 27                            | 27   | 27   | *27  | *27  | *27  |
| Hydro  | 1                             | 1    | 1    | 1    | 1    | *1   |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 3                             | 3    | 3    | 3    | 4    | *4   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |      |      |      |      |      |
| Gas-diesel oil   | *538                          | *542 | *533 | *458 | *559 | *559 |
| Other liquid biofuels                                  | *55                           | *55  | *55  | *55  | *27  | *27  |
| <b>Total input</b>                                     | *592                          | *597 | *588 | *513 | *586 | *586 |
| <b>Total production</b>                                | 205                           | *207 | *203 | *180 | *203 | *209 |
| <b>Estimated efficiency (% of production to input)</b> | 35                            | 35   | 35   | 35   | 35   | 36   |



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

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017    |
|--|-------------------------------|--------|--------|--------|--------|---------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |         |
| Total main activity and autoproducer                   | 129313                        | 134220 | 132492 | 128815 | 118130 | 121415  |
| Combustible fuels                                      | 47452                         | 52627  | 52009  | 53832  | 55068  | *56464  |
| Hydro  | 81856                         | 81499  | 80364  | 74902  | 62959  | 64847   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..      |
| Other  | 5                             | 94     | 119    | 80     | 104    | *104    |
| Main activity  | 127854                        | 132683 | 130959 | 126777 | 116161 | 119387  |
| Combustible fuels                                      | 45993                         | 51090  | 50476  | 51794  | 53099  | *54436  |
| Hydro  | 81856                         | 81499  | 80364  | 74902  | 62959  | 64847   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..      |
| Other  | 5                             | 94     | 119    | 80     | 104    | *104    |
| Own use in electricity, CHP and heat plants            | 1463                          | 1526   | 1717   | 1445   | 1490   | 1044    |
| Net production   | 127850                        | 132694 | 130776 | 127370 | 116640 | 120371  |
| Imports  | 478                           | 715    | 24     | 0      | 0      | 0       |
| Exports  | 814                           | 848    | 889    | 974    | 1107   | 1140    |
| Losses   | 25113                         | 25627  | 42699  | 40381  | 33543  | 33232   |
| Consumption  | 96640                         | 110022 | 87467  | 89314  | 82985  | *82349  |
| Energy industries own use                              | 2114                          | 1830   | 1847   | 1634   | 1427   | 1143    |
| By industry and construction                           | 39371                         | 49445  | 25890  | 27283  | 23472  | 22599   |
| By transport   | 302                           | 308    | 0      | 0      | 0      | 0       |
| By households and other cons.                          | 54853                         | 58439  | 59730  | 60397  | 58086  | *58607  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |         |
| Total main activity and autoproducer                   | 29026                         | 31595  | 31771  | 32059  | 32967  | 32923   |
| Combustible fuels                                      | 14371                         | 16662  | 16838  | 16869  | 17777  | 17732   |
| Hydro  | 14623                         | 14880  | 14880  | 15137  | 15137  | 15137   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..      |
| Other  | 33                            | 53     | 53     | 53     | 53     | 54      |
| Main activity  | 27723                         | 30292  | 30467  | 31049  | 31957  | 31913   |
| Combustible fuels                                      | 13068                         | 15359  | 15534  | 15859  | 16767  | 16722   |
| Hydro  | 14623                         | 14880  | 14880  | 15137  | 15137  | 15137   |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..      |
| Other  | 33                            | 53     | 53     | 53     | 53     | 54      |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |         |
| Gas-diesel oil   | 199262                        | 187652 | 194618 | 220676 | 199262 | 155531  |
| Fuel oil   | 37936                         | 36118  | 25654  | 25048  | 22624  | 20200   |
| Natural gas  | 242057                        | 254992 | 254371 | 338034 | 326524 | 336319  |
| <b>Total input</b>                                     | 479255                        | 478762 | 474643 | 583758 | 548410 | 512050  |
| <b>Total production</b>                                | 170827                        | 189456 | 187233 | 193796 | 198245 | *203270 |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 40     | 39     | 33     | 36     | 40      |

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

| Item   | 2012                          | 2013   | 2014   | 2015   | 2016   | 2017   |
|--|-------------------------------|--------|--------|--------|--------|--------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |        |        |        |        |        |
| Total main activity and autoproducer                   | 117974                        | 126798 | 140219 | 163494 | 181653 | 198499 |
| Combustible fuels                                      | 64710                         | 68536  | 78439  | 105979 | 116244 | 109354 |
| Hydro  | 53172                         | 58170  | 61480  | 57254  | 65188  | 88875  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | *92                           | *92    | *300   | *261   | 221    | 270    |
| Main activity  | 116081                        | 124710 | 137649 | 159540 | 176739 | 194217 |
| Combustible fuels                                      | 62820                         | 66451  | 75951  | 102107 | 111412 | 105154 |
| Hydro  | 53171                         | 58169  | 61400  | 57174  | 65108  | 88795  |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | *90                           | *90    | *298   | *259   | 219    | 268    |
| Own use in electricity, CHP and heat plants            | 3311                          | 8244   | 5201   | 5745   | 5269   | 5396   |
| Net production   | 114663                        | 118554 | 135018 | 157749 | 176384 | 193103 |
| Imports  | 2676                          | 3347   | 2356   | 2604   | 3313   | 2352   |
| Exports  | 1224                          | 2706   | 1650   | 1711   | 2215   | 1825   |
| Losses   | *11500                        | *11500 | *12509 | *12541 | *13732 | 13871  |
| Consumption  | 104255                        | 115283 | 128627 | 143683 | 159791 | 174653 |
| Energy industries own use                              | ..                            | ..     | ..     | ..     | ..     | ..     |
| By industry and construction                           | 55568                         | 61277  | 69524  | 77189  | 85686  | 95791  |
| By transport   | ..                            | ..     | ..     | ..     | ..     | ..     |
| By households and other cons.                          | 48687                         | 54006  | 59103  | 66494  | 74105  | 78862  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |        |        |        |        |        |
| Total main activity and autoproducer                   | *28240                        | *28240 | *34080 | *38553 | *42135 | *42525 |
| Combustible fuels                                      | *17700                        | *17700 | *18269 | *22779 | *25783 | *25953 |
| Hydro  | *10503                        | *10503 | *15702 | *15639 | *16187 | *16387 |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | *37                           | *37    | 109    | 135    | *165   | *185   |
| Main activity  | *25531                        | *25531 | *30952 | *35425 | *36744 | *37042 |
| Combustible fuels                                      | *15000                        | *15000 | *15455 | *19965 | *20728 | *20828 |
| Hydro  | *10500                        | *10500 | *15394 | *15331 | *15857 | *16035 |
| Nuclear  | ..                            | ..     | ..     | ..     | ..     | ..     |
| Other  | *31                           | *31    | 103    | 129    | *159   | *179   |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |        |        |        |        |        |
| Hard Coal  | 266675                        | 321187 | 400645 | 529856 | 614098 | 561954 |
| Gas-diesel oil   | 1333                          | 1548   | 2365   | 1720   | 6751   | 3526   |
| Fuel oil   | 3878                          | 4404   | 4808   | 8726   | 8767   | 3798   |
| Natural gas  | 317032                        | 328579 | 347890 | 366899 | 366913 | 314848 |
| Fuelwood   | 651                           | 658    | 665    | 672    | 679    | 1319   |
| <b>Total input</b>                                     | 589569                        | 656375 | 756373 | 907874 | 997207 | 885444 |
| <b>Total production</b>                                | 232956                        | 246730 | 282380 | 381524 | 418478 | 393674 |
| <b>Estimated efficiency (% of production to input)</b> | 40                            | 38     | 37     | 42     | 42     | 44     |

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

| Item   | 2012                          | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------|------|------|------|------|------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |      |      |      |      |      |
| Total main activity and autoproducer                   | *19                           | *19  | *19  | *18  | *20  | *20  |
| Combustible fuels                                      | *19                           | *18  | *18  | *18  | *20  | *19  |
| Hydro  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Main activity  | *19                           | *19  | *19  | *18  | *20  | *20  |
| Combustible fuels                                      | *19                           | *18  | *18  | *18  | *20  | *19  |
| Hydro  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Own use in electricity, CHP and heat plants            | *2                            | *2   | *2   | *2   | *2   | *2   |
| Net production   | *17                           | *17  | *16  | *16  | *18  | *17  |
| Imports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Exports  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Losses   | *1                            | *1   | *1   | 0    | *1   | 0    |
| Consumption  | *16                           | *15  | *16  | *16  | *17  | *17  |
| Energy industries own use                              | ..                            | ..   | ..   | ..   | ..   | ..   |
| By industry and construction                           | ..                            | ..   | ..   | ..   | ..   | ..   |
| By transport   | ..                            | ..   | ..   | ..   | ..   | ..   |
| By households and other cons.                          | *16                           | *15  | *16  | *16  | *17  | *17  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |      |      |      |      |      |
| Total main activity and autoproducer                   | 11                            | *11  | *11  | 9    | *9   | *9   |
| Combustible fuels                                      | 11                            | *11  | *11  | 9    | *9   | *9   |
| Hydro  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Nuclear  | ..                            | ..   | ..   | ..   | ..   | ..   |
| Other  | 0                             | 0    | 0    | 0    | 0    | 0    |
| Main activity  | 11                            | *11  | *11  | 9    | *9   | *9   |
| Combustible fuels                                      | 11                            | *11  | *11  | 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   | *185                          | *181 | *179 | *177 | *187 | *183 |
| <b>Total input</b>                                     | *185                          | *181 | *179 | *177 | *187 | *183 |
| <b>Total production</b>                                | *67                           | *66  | *65  | *65  | *71  | *69  |
| <b>Estimated efficiency (% of production to input)</b> | 36                            | 37   | 36   | 37   | 38   | 38   |

**Statistics on electricity**
**Yemen**

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 7077                          | 8510  | 7655  | 6087  | 5161  | 5316  |
| Combustible fuels                                      | 7073                          | 8501  | 7646  | 5977  | 4612  | 4584  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 4                             | 9     | 9     | 110   | 549   | 732   |
| Main activity  | 6727                          | 8256  | 7406  | 5777  | 4439  | 4421  |
| Combustible fuels                                      | 6727                          | 8256  | 7406  | 5777  | 4439  | 4421  |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 580                           | 1341  | 1203  | 938   | 721   | 718   |
| Net production   | 6497                          | 7169  | 6452  | 5149  | 4440  | 4598  |
| Imports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Exports  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Losses   | 2330                          | 2190  | 1965  | 1533  | 1178  | 1173  |
| Consumption  | 4167                          | 4979  | 4487  | 3547  | 3987  | 4059  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 148                           | 203   | 161   | 126   | 97    | 97    |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 4019                          | 4776  | 4326  | 3421  | 3890  | 3962  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 1536                          | 1540  | 1524  | 1579  | 1769  | *1869 |
| Combustible fuels                                      | 1535                          | 1535  | 1519  | 1519  | 1519  | *1519 |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | 1                             | *5    | 5     | 60    | *250  | *350  |
| Main activity  | 1417                          | 1417  | 1402  | 1402  | 1402  | *1402 |
| Combustible fuels                                      | 1417                          | 1417  | 1402  | 1402  | 1402  | *1402 |
| Hydro  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Gas-diesel oil   | 24682                         | 30874 | 25112 | 19866 | 16211 | 14405 |
| Fuel oil   | 32603                         | 30017 | 24280 | 19190 | 15635 | 13817 |
| Natural gas  | 28924                         | 34605 | 37478 | 28770 | 20045 | 24053 |
| <b>Total input</b>                                     | 86209                         | 95496 | 86870 | 67826 | 51891 | 52275 |
| <b>Total production</b>                                | 25463                         | 30604 | 27526 | 21517 | 16603 | 16502 |
| <b>Estimated efficiency (% of production to input)</b> | 30                            | 32    | 32    | 32    | 32    | 32    |

Statistics on electricity

Zambia

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 12369                         | 13301 | 14455 | 13440 | 11695 | 14185 |
| Combustible fuels                                      | 19                            | 20    | 413   | 405   | 670   | 1987  |
| Hydro  | 12350                         | 13281 | 14042 | 13035 | 11025 | 12198 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 12369                         | 13301 | 14455 | 13440 | 11695 | 14185 |
| Combustible fuels                                      | 19                            | 20    | 413   | 405   | 670   | 1987  |
| Hydro  | 12350                         | 13281 | 14042 | 13035 | 11025 | 12198 |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 288                           | 306   | 331   | 0     | 325   | 310   |
| Net production   | 12081                         | 12995 | 14124 | 13440 | 11370 | 13875 |
| Imports  | 163                           | 73    | 13    | 785   | 2185  | 753   |
| Exports  | 980                           | 1083  | 1256  | 1176  | 794   | 1063  |
| Losses   | 945                           | 1139  | 2162  | 1599  | 1903  | 1339  |
| Consumption  | 10319                         | 10846 | 10719 | 11450 | 10858 | 12192 |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 6092                          | 6379  | 6429  | 6860  | 6455  | 7025  |
| By transport   | 24                            | 28    | 31    | 33    | 28    | 32    |
| By households and other cons.                          | 4203                          | 4439  | 4259  | 4557  | 4375  | 5135  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | 1959                          | 2038  | 2452  | 2411  | 2827  | 2897  |
| Combustible fuels                                      | 91                            | 141   | 195   | 142   | 439   | 498   |
| Hydro  | 1868                          | 1897  | 2257  | 2269  | 2388  | 2398  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | 0     | 0     | 1     |
| Main activity  | 1959                          | 2038  | 2452  | 2411  | 2827  | 2897  |
| Combustible fuels                                      | 91                            | 141   | 195   | 142   | 439   | 498   |
| Hydro  | 1868                          | 1897  | 2257  | 2269  | 2388  | 2398  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | 0     | 0     | 1     |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | ..                            | ..    | ..    | ..    | 3928  | 15342 |
| Gas-diesel oil   | 430                           | 430   | 430   | 430   | 430   | 516   |
| Fuel oil   | 0                             | 0     | 2990  | 3272  | 2747  | 4808  |
| Bagasse  | ..                            | ..    | *1278 | *1332 | *1367 | *1367 |
| <b>Total input</b>                                     | 430                           | 430   | 4698  | 5034  | 8472  | 22033 |
| <b>Total production</b>                                | 68                            | 72    | 1485  | 1459  | 2412  | 7153  |
| <b>Estimated efficiency (% of production to input)</b> | 16                            | 17    | 32    | 29    | 28    | 32    |

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

| Item   | 2012                          | 2013  | 2014  | 2015  | 2016  | 2017  |
|--|-------------------------------|-------|-------|-------|-------|-------|
| <b>Production, trade and consumption</b>               | <b>Million kilowatt-hours</b> |       |       |       |       |       |
| Total main activity and autoproducer                   | 9149                          | 9499  | 9812  | 9522  | 7090  | 7544  |
| Combustible fuels                                      | 3761                          | 4517  | 4410  | 4583  | 4175  | 3575  |
| Hydro  | 5387                          | 4982  | 5402  | 4939  | 2915  | 3969  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | 8963                          | 9315  | 9783  | 9468  | 6812  | 7377  |
| Combustible fuels                                      | 3575                          | 4333  | 4381  | 4529  | 3897  | 3408  |
| Hydro  | 5387                          | 4982  | 5402  | 4939  | 2915  | 3969  |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Own use in electricity, CHP and heat plants            | 101                           | 115   | 184   | 189   | 35    | 143   |
| Net production   | 9048                          | 9384  | 9628  | 9333  | 7055  | 7401  |
| Imports  | 1076                          | 1722  | 1127  | 1139  | 2220  | 2569  |
| Exports  | 701                           | 1189  | 1226  | 1239  | 369   | 351   |
| Losses   | 1765                          | 1702  | 1648  | 1654  | 1533  | 1729  |
| Consumption  | 7831                          | 8285  | 8238  | 6876  | 7282  | 7732  |
| Energy industries own use                              | ..                            | ..    | ..    | ..    | ..    | ..    |
| By industry and construction                           | 3084                          | 3115  | 3388  | 2524  | 2645  | 3359  |
| By transport   | ..                            | ..    | ..    | ..    | ..    | ..    |
| By households and other cons.                          | 4747                          | 5170  | 4850  | 4352  | 4637  | 4373  |
| <b>Net installed capacity</b>                          | <b>Thousand kilowatts</b>     |       |       |       |       |       |
| Total main activity and autoproducer                   | *2112                         | *2112 | 1992  | 1992  | 2015  | 2015  |
| Combustible fuels                                      | *1355                         | *1355 | 1235  | 1235  | 1265  | 1265  |
| Hydro  | 757                           | 757   | 757   | 757   | 750   | 750   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Main activity  | *2067                         | *2067 | 1947  | 1947  | 1970  | 1970  |
| Combustible fuels                                      | *1310                         | *1310 | 1190  | 1190  | 1220  | 1220  |
| Hydro  | 757                           | 757   | 757   | 757   | 750   | 750   |
| Nuclear  | ..                            | ..    | ..    | ..    | ..    | ..    |
| Other  | ..                            | ..    | ..    | ..    | ..    | ..    |
| <b>Combustible fuel input</b>                          | <b>Terajoules</b>             |       |       |       |       |       |
| Hard Coal  | 57474                         | 69596 | 70325 | 74266 | 63900 | 55288 |
| Gas-diesel oil   | 688                           | 774   | 731   | 645   | 559   | 559   |
| Fuelwood   | *9                            | ..    | ..    | ..    | ..    | ..    |
| Bagasse  | 2405                          | 2390  | 2074  | 1843  | 2117  | 2180  |
| <b>Total input</b>                                     | 60576                         | 72760 | 73130 | 76754 | 66576 | 58026 |
| <b>Total production</b>                                | 13541                         | 16261 | 15874 | 16498 | 15029 | 12870 |
| <b>Estimated efficiency (% of production to input)</b> | 22                            | 22    | 22    | 21    | 23    | 22    |

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