



UNITED NATIONS STATISTICS DIVISION

# Energy Statistics Section

## ENERGY STATISTICS DATABASE 2018: NOTES ON SOURCES

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## General metadata

The main source of all publications is UNSD Annual Questionnaire on Energy Statistics<sup>1</sup>.

In the absence of the UNSD Questionnaire, data are sought from national publications (official statistics), international or regional publications and databases, in this order. In the absence of any of these sources, estimates are carried out to complete the database and enable regional and world totals to be calculated. Occasionally, other reputable sources may be used, either directly or as an input to estimates. These cases are detailed in the country-specific metadata.

OECD and EU countries are mandated to submit annual energy statistics questionnaires to the International Energy Agency (IEA) and to Eurostat respectively. For this reason, and in the interest of reducing data burden for these countries, respective data are obtained through the IEA, in a format of the IEA/Eurostat Joint Annual Energy Questionnaires.

As to historical data for OECD and EU countries, it is worth noticing that the IEA was created in 1974, while UNSD started collecting energy statistics in 1950. This means that data for these countries were already being compiled using some version of the UNSD Questionnaire back then. There was a time when the responsibility of directly contacting the energy authorities of these countries was handed over, but there is no record of the exact year when it happened. Furthermore, not all countries joined the European Union or the IEA/OECD at the time of their inceptions, as their memberships have increased with time (new political arrangements that create new countries out of former ones compound to the issue). As if all this was not enough, to ensure consistency with possible revisions for particular OECD countries, some data for

as early as 1960 may have been imported from the IEA World energy statistics database. For all these reasons, it is impossible to specify when the data source stopped being the UNSD Questionnaire and started to be the IEA World energy statistics database for each of the OECD and EU countries.

Population data used to calculate the per capita indicators are from the United Nations Population Division<sup>2</sup>.

Main sources for biomass include FAO for fuelwood and charcoal, and the International Sugar Organization (ISO) for bagasse (estimated from cane sugar production).

Data availability: up to 2018 and partial data for 2019 for selected countries.

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

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<sup>1</sup> Available here: <https://unstats.un.org/unsd/energystats/questionnaire/>

<sup>2</sup> See: <https://www.un.org/development/desa/pd/>

## Country-specific metadata (annually updated countries or areas)

### Data availability, country-specific information, data sources and time period

#### Afghanistan [004]

Data availability: 1950 – 2018

Data sources

*Sources from 2013 to 2018:*

- National Statistics and Information Authority, *Afghanistan Statistical Yearbook*, various editions;
- Afghanistan Central Statistics Organization, *Afghanistan Statistical Yearbook*, various editions;
- Afghanistan Central Statistics Organization, *Statistical indicators of Afghanistan*, various editions;
- Ministry of Mines and Petroleum, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2012:*

- UNSD Annual Questionnaire on Energy Statistics obtained from the Afghanistan Central Statistics Organization for the 2004, the 2008, the 2009, the 2010 and the 2011/12 data cycles;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Afghanistan.

Time Period

The data refer to the fiscal year beginning 21 March of the year stated, until 20 March of the following year.

#### Albania [008]

Data availability: 1950 – 2019

Data sources

*Sources from 2007 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics obtained from the Ministry of Infrastructure and Energy for the 2011/12, the 2013 the 2017 and the 2018 data cycles;
- Institute of Statistics, *Statistics Yearbook*, various editions;
- Institute of Statistics, *Balance of Electric Power*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Albania.

## Algeria [012]

Data availability: 1950 – 2018

Data sources

*Sources from 2006 to 2018:*

- Ministère de l'Energie, *Bilan Energétique National*, various editions;
- Ministère de l'Energie, *Bilan des Réalisations du secteur de l'Energie*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Arab Union of Electricity, *Statistical Bulletin*, various editions;
- Gas Exporting Countries Forum (GECF), *Annual Statistical Bulletin*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- UNSD estimates based on publicly available information.

*Sources from 2001 to 2005:*

- UNSD Annual Questionnaire on Energy Statistics obtained from the administration of Algeria for the 2005 data cycle;
- UNSD estimates based on publicly available information.

*Sources prior to 2001:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Algeria.

## American Samoa [016]

Data availability: 1950 – 2018

Data sources

*Sources from 2015 to 2018:*

- Department of Commerce, Research and Statistics Division, *American Samoa Statistical Yearbooks*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL); *Energy Snapshot, American Samoa 2015*;
- UNSD estimates based on publicly available information.

*Sources 2014:*

- UNSD Annual Questionnaire on Energy Statistics obtained from the American Samoa Department of Commerce for the 2014 data cycle;
- Department of Commerce, Research and Statistics Division, *American Samoa Statistical Yearbooks*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2013:*

- Department of Commerce, Research and Statistics Division, *American Samoa Statistical Yearbooks*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of American Samoa.

## Andorra [020]

Data availability: 1990 – 2019

Data sources

*Sources from 2006 and 2019:*

- Department of Statistics, *Data bank: Industry and Energy*, accessed on 26 June 2020;
- Department of Statistics, *Andorra in Figures*, various editions;
- Department of Statistics, *Statistical Yearbook*, various editions;
- Forces Elèctriques d'Andorra (FEDA) Website, *Energia*, accessed on 26 June 2020;
- Andorran Banking, *Andorra and its Financial System*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### Sources prior to 2006:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Andorra.

## Angola [024]

Data availability: 1950 – 2019

Data sources

#### Sources from 2014 to 2019:

- UNSD Annual Questionnaire on Energy Statistics obtained from National Statistics Office for the 2015 and 2018 data cycles;
- Sonangol, *Relatório de Gestão e Contas Consolidada*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

#### Sources from 2008 to 2013:

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

#### Sources from 2002 to 2007:

- UNSD Annual Questionnaire on Energy Statistics obtained from the administration of Angola for the 2006 and the 2007 data cycles;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

#### Sources prior to 2002:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Angola.

## Anguilla [666]

Data availability: 1950 – 2018

Data sources

#### Sources from 2008 to 2018:

- Anguilla Electricity Company Ltd, *Annual Report and Accounts*, various editions;
- Anguilla Statistics Department, *Construction, transport & utilities 1995-2016*;

- U.S. Department of Energy, National Renewable Energy Laboratory (NREL); *Energy Snapshot, Anguilla 2015*;
- UNSD estimates based on publicly available information.

*Sources prior to 2008:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Anguilla.

### Antigua and Barbuda [028]

Data availability: 1957 – 2019

Data sources

*Sources from 2007 to 2019:*

- CARICOM Secretariat, *2017 Energy Report Card – Antigua and Barbuda*, 2018;
- International Renewable Energy Agency (IRENA), *Antigua and Barbuda, Renewables Readiness assessment*, 2016;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL), *Energy Snapshot, Antigua and Barbuda 2015*;
- Inter-American Development Bank, *Challenges and opportunities for the Energy Sector in the Eastern Caribbean. Antigua and Barbuda Energy Dossier, 2015*;
- Antigua Public Utilities Authority (APUA) Website, *Power Plant Production Summaries*, accessed on 18 May 2020;
- Government of Antigua and Barbuda, *National Energy Policy*, 2011;
- Government of Antigua and Barbuda, *Statistics at a glance 2006-2007*;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available

information and direct communication with the administration of Antigua and Barbuda.

### Argentina [032]

Data availability: 1950 – 2019

Data sources

*Sources from 2013 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Secretaría de Energía for the 2013, the 2017 and 2018 data cycles;
- Secretaria de Energía, *Balances Energéticos Nacionales*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- UNSD estimates based on publicly available information.

*Sources from 2011 to 2012:*

- Secretaria de Energía, *Balances Energéticos Nacionales*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2010:*

- UNSD Annual Questionnaire on Energy Statistics from the Instituto Nacional de Estadística y Censos for the 2006 and the 2010 data cycles;
- Secretaria de Energía, *Balances Energéticos Nacionales*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- Platts, *UDI International Electric Power Sourcebook*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Argentina.

## Armenia [051]

Data availability: 1992 – 2018

### Country specific information

Statistical Committee of the Republic of Armenia (ArmStat) is continuously working on improving energy data coverage and granularity. Breakdown of energy consumption for various products is available from 2015 or 2016 data onward, as a result of surveys conducted by ArmStat. This leads to breaks in time series between 2014 and 2015 as well as 2015 and 2016. Energy consumption information for 2014 is coming from pilot surveys and should be treated with caution.

Other Vegetal Material and Residues data are available from 2012 onward, Animal Waste production and consumption is available from 2015 onward.

The information on fuelwood production and consumption from 1992 to 2014 come from FAO database, and show breaks in time series between 2007 and 2008 for the category. The data for 2015 – 2018 should be used as a reference as they come from a new energy consumption survey conducted by ArmStat. Revisions are pending.

### Data sources

*Sources from 2005 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Statistical Committee of the Republic of Armenia for the data cycles from 2013 to 2018;
- UNSD Annual Questionnaire on Energy Statistics from the National Statistical Service for the data cycles from 2005 to 2012;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Armenia.

## Aruba [533]

Data availability: 1986 – 2018

### Country specific information

The only refinery in Aruba operated from 2000 until 2012. This leads to breaks in time series for refinery flows and refinery feedstocks information.

Starting with 2000 data, industrial electricity consumption was reclassified as electricity consumption in commerce and public services. This leads to break in time series between 1999 and 2000.

### Data sources

*Sources from 2006 to 2018:*

- Central Bureau of Statistics (CBS), *Statistical Yearbook*, various editions;
- Central Bureau of Statistics (CBS), *Foreign Trade Statistics*, various editions;
- Water-En Energiebedrijf Aruba Website, *Power production figures*, accessed on 1 May 2020;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;



- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Aruba.

## Australia [036]

Data availability: 1950 – 2019

Country specific information

Australia is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

Time Period

The data refer to the fiscal year beginning July of the year previous to the stated, until the end of June of the year stated.

## Austria [040]

Data availability: 1950 – 2019

Country specific information

Austria is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Azerbaijan [031]

Data availability: 1992 – 2018

Country specific information

As a result of an improved data collection from 2007, there are some data breaks in the inputs and outputs series of electricity, CHP and heat plants between 2006 and 2007.

Data sources

*Sources from 2000 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the State Statistical Committee for the data cycles from 2000 to 2018;
- UNSD estimates based on publicly available information.

*Sources prior to 2000:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Azerbaijan.

## Bahamas [044]

Data availability: 1950 – 2018

Data sources

*Sources from 2007 to 2018:*

- The Central Bank of Bahamas, *Quarterly Statistical Digest*, various editions;
- The government of the Bahamas, Department of Statistics, *Foreign Trade Publication*, various editions;

- Latin American Energy Organization (OLADE), *The Bahamas Energy Balances 2010 – 2012*;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL), *Energy Snapshot, Bahamas 2015*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Bahamas.

### Bahrain [048]

Data availability: 1950 – 2019

Data sources

*Sources from 2007 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from National Oil & Gas Authority for the 2007, the 2008, the 2009, the 2014, the 2015, the 2017 and the 2018 data cycles;
- Electricity and Water Authority, *EWA Statistics, 2018*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Bahrain.

### Bangladesh [050]

Data availability: 1972 – 2018

Data sources

*Sources from 2015 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Bangladesh Bureau of Statistics for the 2015 and the 2017 data cycles;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Bangladesh Power Development Board, *Annual report*, various editions;
- Ministry of Finance, *Bangladesh Economic Review*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2010 to 2014:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Bangladesh Power Development Board, *Annual report*, various editions;
- Ministry of Finance, *Bangladesh Economic Review*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2003 to 2009:*

- UNSD Annual Questionnaire on Energy Statistics from the Bangladesh Bureau of Statistics for the 2008 data cycle;

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Bangladesh Power Development Board, *Annual report*, various editions;
- Ministry of Finance, *Bangladesh Economic Review*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

#### Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Bangladesh.

#### Time Period

The data refer to the fiscal year beginning July of the year previous to the stated, until the end of June of the year stated.

#### [Barbados \[052\]](#)

Data availability: 1950 – 2018

#### Country specific information

Barbados' only refinery was closed in 1998. Hence, we have breaks in time series between 1998 and 1999 for some flows and products.

#### Data sources

##### Sources from 2015 to 2018:

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;

- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

##### Sources 2014:

- UNSD Annual Questionnaire on Energy Statistics from the administration of Barbados for the 2014 data cycle;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

##### Sources from 2004 to 2013:

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

##### Sources prior to 2004:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Barbados.

## Belarus [112]

Data availability: 1992 – 2018

Country specific information

Prior to 2013 Kerosene-type Jet Fuel is reported under other oil products category.

Data sources

*Sources 2018:*

- National Statistical Committee of the Republic of Belarus, *Energy balance of the Republic of Belarus, 2018 with infographic*, accessed on 15 December 2020;
- National Statistical Committee of the Republic of Belarus, *Primary Energy Production*, accessed on 15 December 2020;
- International Energy Agency (IEA), *World Energy Statistics, 2020*;
- UNSD estimates based on publicly available information.

*Sources from 2015 to 2017:*

- UNSD Annual Questionnaire on Energy Statistics from the National Statistical Committee of the Republic of Belarus for the data cycles from 2015 to 2017;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2014:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available

information and direct communication with the administration of Belarus.

## Belgium [056]

Data availability: 1950 – 2019

Country specific information

Belgium is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Belize [084]

Data availability: 1950 – 2018

Data sources

*Sources from 2008 to 2018:*

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- Belize Electricity Limited, *Annual Reports*, various editions,
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Joint Organisations Data Initiative (JODI), JODI-Oil World Database, accessed on 7 May 2015;
- UNSD estimates based on publicly available information.

*Sources 2007:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of Belize for the 2007 data cycle;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- Belize Electricity Limited, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Belize.

#### Benin [204]

Data availability: 1958 – 2018

Data sources

*Sources from 2004 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNIDO, *World Small Hydropower Development Report 2016*;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;

- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Benin.

#### Bermuda [060]

Data availability: 1950 – 2018

Data sources

*Sources from 2006 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Department of Statistics of the Government of Bermuda for the 2007, the 2008, the 2014, the 2015 and the 2017 data cycles;
- Direct communication with the Department of Statistics of the Government of Bermuda regarding energy information for 2009-2014 data in the 2013 data cycle;
- Ascendant Group Limited Consolidated, *Annual Report*, various editions;
- Government of Bermuda, Department of Statistics, *Facts and Figures*, various editions;
- Government of Bermuda, Department of Statistics, *Environmental Statistics Compendium*, various editions;

*Sources prior to 2003:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Bermuda.

#### Bhutan [064]

Data availability: 1968 – 2019

Data sources

*Sources from 2006 to 2019:*

- Direct communication with National Statistics Bureau regarding energy information for 2011-2019 data in the 2018 data cycle;
- UNSD Annual Questionnaire on Energy Statistics from the Department of Statistics of the Ministry of Economic Affairs for the 2007, the 2008, the 2010, the 2011/12, the 2013 and the 2014 data cycles;
- National Statistics Bureau, *Statistical Yearbook of Bhutan*, various editions;
- Ministry of Finance, *Bhutan trade statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Bhutan.

Time Period

The electricity data refer to the fiscal year beginning July of the year previous to the stated, until the end of June of the year stated.

[Bolivia \(Plurinational State of\) \[068\]](#)

Data availability: 1950 – 2018

Data sources

*Sources from 1990 to 2018:*

- Ministerio de Hidrocarburos, *Balance Energetico Nacional 2006-2018*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- Gas Exporting Countries Forum (GECF), Annual Statistical Bulletin, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1990:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Plurinational State of Bolivia.

[Bonaire, Sint Eustatius and Saba \[535\]](#)

Data availability: 2012 – 2018

Data sources

*Sources from 2012 to 2018:*

- Statistics Netherlands (CBS) Website, Statline database, *Caribbean Netherlands; connections and production of electricity and water*, accessed on 4 May 2020;
- Renewable Energy future of the Dutch Caribbean islands Bonaire, Sint Eustatius and Saba, *Renewable Energy future of the Dutch Caribbean islands Bonaire, Sint Eustatius and Saba*, 2016;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL), *Energy Snapshot, Bonaire 2015*;
- Water en Energiebedrijf Bonaire N.V. Website, *Wind energy*, accessed on 4 May 2020;
- Resources and Logistics, *Study on Renewable Energies and Green Policy in the OCTs*, 2014;
- UNSD estimates based on publicly available information.

[Bosnia and Herzegovina \[070\]](#)

Data availability: 1992 – 2018

## Data sources

### Sources from 2011 to 2018:

- UNSD Annual Questionnaire on Energy Statistics from the Department of Statistics of the Agency for Statistics of Bosnia and Herzegovina for the data cycles from 2011/12 to 2018;
- Agency for Statistics of the Bosnia and Herzegovina, *Energy Statistics*, various editions;
- Federal Office of Statistics, *Statistical Yearbook*, various editions;
- South East Europe Electricity Roadmap, *Country report: Bosnia and Herzegovina, 2017*;
- UNIDO, *World Small Hydropower Development Report 2016*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

### Sources from 2005 to 2010:

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Federal Office of Statistics, *Statistical Yearbook*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

### Sources prior to 2005:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Bosnia and Herzegovina.

## Botswana [072]

Data availability: 1950 – 2019

## Data sources

### Sources from 2018 to 2019:

- UNSD Annual Questionnaire on Energy Statistics obtained from Statistics Botswana for the 2018 data cycles;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Botswana Power Corporation, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

### Sources from 2016 to 2017:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Botswana Power Corporation, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

### Sources from 2010 to 2015:

- UNSD Annual Questionnaire on Energy Statistics obtained from Statistics Botswana for the 2010, the 2014 and the 2015 data cycles;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Botswana Power Corporation, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

### Sources from 2005 to 2009:

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;

- Botswana Power Corporation, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Botswana.

### [Brazil \[076\]](#)

Data availability: 1950 – 2019

Data sources

*Sources from 2004 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Department of Statistics of the Ministério de Minas e Energia from the 2004 to 2018 cycles;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Brazil.

### [British Virgin Islands \[092\]](#)

Data availability: 1957 – 2018

Data sources

*Sources from 2007 to 2018:*

- British Virgin Islands Electricity Corporations, *Annual Reports*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the British Virgin Islands.

### [Brunei Darussalam \[096\]](#)

Data availability: 1950 – 2018

Data sources

*Sources from 2017 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Department of Economic Planning and Development of the Prime Minister's Office for the 2017 data cycle;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2006 to 2016:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Energy department, Prime Minister's Office, *Energy White Paper*, 2013;
- Energy and Industry Department of Prime Minister's office, *Brunei Darussalam Country Report*, 2016;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Brunei Darussalam.



## Bulgaria [100]

Data availability: 1950 – 2018

Country specific information

Bulgaria is a European Union member country.

Data sources

*Sources from 2002 to 2018:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2002:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Bulgaria.

## Burkina Faso [854]

Data availability: 1958 – 2018

Data sources

*Sources from 2007 to 2018:*

- Institut national de la statistique et de la démographie (INSD), *Annuaire Statistique*, various editions;
- Société nationale d'électricité du Burkina (SONABEL), *Rapport Activites*, various editions;
- Société nationale d'électricité du Burkina (SONABEL) Website, *Production*, accessed on 21 October 2020;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;

- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Burkina Faso.

## Burundi [108]

Data availability: 1962 – 2018

Data sources

*Sources from 2015 to 2018:*

- Banque de la République du Burundi, *Rapport annuel*, various editions;
- Banque de la République du Burundi, *Statistics : Real sector*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2011 to 2014:*

- UNSD Annual Questionnaire on Energy Statistics from the Ministère à la Présidence Chargé de la Bonne Gouvernance et du Plan for the 2014 data cycle;
- Banque de la République du Burundi, *Rapport annuel*, various editions;
- Banque de la République du Burundi Website, *Statistics : Real sector*, accessed on 14 August 2020;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2006 to 2010:*

- Banque de la République du Burundi, *Rapport annuel*, various editions;
- Banque de la République du Burundi, *Statistics: Real sector*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources prior to 2006:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Burundi.

## Cabo Verde [132]

Data availability: 1950 – 2018

Data sources

Sources from 2015 to 2018:

- Instituto Nacional de Estatística, *Estatísticas do Ambiente*, 2016;
- Instituto Nacional de Estatística, *Boletim das Estatísticas do Comércio Externo*, various editions;
- Cabeolica, *Annual Report*, various editions;
- Governo De Cabo Verde, *Plano Estratégico de Desenvolvimento Sustentável*, 2018;
- Cabo Verde TradeInvest, *Informações sobre o Setor da Energia em Cabo Verde*, 2018;
- PEDS, *Cabo Verde: The mid-Atlantic Gateway to the World's Economy, Energy Sector, 2018*;
- UNSD estimates based on publicly available information.

Sources from 2008 to 2014:

- UNSD Annual Questionnaire on Energy Statistics from the Instituto Nacional de Estatística the data cycles from 2008 to 2014;
- PEDS, *Cabo Verde: The mid-Atlantic Gateway to the World's Economy, Energy Sector, 2018*;

- Instituto Nacional de Estatística, *Boletim das Estatísticas do Comércio Externo*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources prior to 2008:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Cabo Verde.

## Cambodia [116]

Data availability: 1955 – 2018

Data sources

Sources from 2002 to 2018:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Electricity Authority of Cambodia, *Annual Report on Power Sector*, various editions;
- UNSD estimates based on publicly available information.

Sources prior to 2002:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Cambodia.

## Cameroon [120]

Data availability: 1950 – 2018

Data sources

Sources from 2006 to 2018:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Institut National de la Statistique du Cameroun, *Annuaire Statistique du Cameroun*, various editions;
- Eneo, *Annual report*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Cameroon.

## Canada [124]

Data availability: 1950 – 2019

Country specific information

Canada is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Cayman Islands [136]

Data availability: 1950 – 2019

Data sources

*Sources from 2004 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Economics and Statistics Office of the Cayman Islands Government for the data cycles from 2009 to 2018;

- Economics and Statistics Office of the Cayman Islands Government, *Electricity Production in Grand Cayman, 1996 – 2016*;
- Economics and Statistics Office of the Cayman Islands Government, *Foreign Trade Statistics Report*, various editions;
- Economics and Statistics Office of the Cayman Islands Government, *Statistical Compendium*, various editions;
- Economics and Statistics Office of the Cayman Islands Government, *Annual Economic Report*, various editions;
- Economics and Statistics Office of the Cayman Islands Government, *Overseas Trade Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2003:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Cayman Islands.

## Central African Republic [140]

Data availability: 1959 – 2019

Data sources

*Sources from 2007 to 2019:*

- United Nations Development Programme (UNDP), *Rapport de diagnostic du secteur energetique de la Republique Centrafricaine, 2017*;
- United Nations Development Programme (UNDP), African Development Bank, African Union Commission, and the United Nations Economic Commission for Africa, *African Statistical Yearbook*, various editions;
- International Energy Agency (IEA), *African Energy Outlook, 2014 edition*;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;

- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Central African Republic.

## Chad [148]

Data availability: 1959 – 2018

Data sources

*Sources from 2005 to 2018:*

- Banque des États de l'Afrique Centrale, *Rapport annuel*, various editions;
- Banque des États de l'Afrique Centrale, *Statistiques de base : Tchad*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Chad.

## Chile [152]

Data availability: 1950 – 2019

Country specific information

Chile is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## China [156]

Data availability: 1950 – 2018

Country specific information

Data up to 2013 for Other kerosene include Kerosene-type jet fuel.

Data sources

*Sources from 1990 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the National Bureau of Statistics the data cycles from 1990 to 2018;
- National Bureau of Statistics of China, *China Statistical Yearbook*, various editions;
- Chinese Energy Portal; *Electricity Energy statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- China electricity council, *List of basic data of power statistics*, various editions;
- Foreign Agricultural Service of the the United States Department of Agriculture, *China Biofuels Annual 2018*;
- Foreign Agricultural Service of the the United States Department of Agriculture, *Sugar: World Markets and Trade, 2019*;
- UNSD estimates based on publicly available information.

*Sources prior to 1990:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of China.

### China, Hong Kong Special Administrative Region [344]

Data availability: 1950 – 2018

#### Country specific information

From 2001, data on Kerosene-type jet fuel include Aviation gasoline and Other kerosene.

Town gas produced in gasworks and blended with natural gas is reported under natural gas.

#### Data sources

##### Sources from 2004 to 2018:

- UNSD Annual Questionnaire on Energy Statistics from the Permanent Mission of the People's Republic of China to the United Nations for from the 2004 to the 2010, for the 2013, the 2014, the 2016 and the 2017 data cycles;
- Census and Statistics Department of Hong Kong Special Administrative Region, *Hong Kong Energy Statistics Annual Report*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

##### Sources prior to 2004:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

### China, Macao Special Administrative Region [446]

Data availability: 1950 – 2018

#### Country specific information

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

#### Data sources

##### Sources from 2004 to 2018:

- UNSD Annual Questionnaire on Energy Statistics from the Permanent Mission of the People's Republic of China to the United Nations for the data cycles from 2004 to 2010 and from 2013 to 2017;
- Census and Statistics Department of Government of Macao Special Administrative Region, *Yearbook of Statistics*, various editions;
- Consulasia, *Macao Refuse Incineration Plant*, 2018;
- UNSD estimates based on publicly available information.

##### Sources prior to 2004:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

### Colombia [170]

Data availability: 1950 – 2018

#### Data sources

##### Sources from 2014 to 2018:

- Unidad de Planeacion Minero Energetica, *Boletin Estadistico de Minas y Energia* various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2010 to 2013:*

- UNSD Annual Questionnaire on Energy Statistics from the Departamento Administrativo Nacional de Estadística for the data cycles from 2010 to 2013;
- Unidad de Planeación Minero Energética, *Boletín Estadístico de Minas y Energía*, various editions;
- Unidad de Planeación Minero Energética, *Balance Minero Energético*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2009:*

- Unidad de Planeación Minero Energética, *Balance Minero Energético*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Colombia.

[Comoros \[174\]](#)

Data availability: 1959 – 2018

Data sources

*Sources from 2005 to 2018:*

- United Nations Economic Commission for Africa, *Development of the Energy Balance Statistics and Energy Systems Model for the Union of Comoros*, 2018;
- Banque Centrale des Comores, *Rapport Annuel*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Comoros.

[Congo \[178\]](#)

Data availability: 1959 – 2018

Data sources

*Sources from 2004 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Congo.

## Cook Islands [184]

Data availability: 1963 – 2018

Data sources

Sources from 2007 to 2018:

- Ministry of Finance and Economic Management, *Miscellaneous Statistics* various editions;
- Ministry of Finance and Economic Management, *Statistical Bulletin*, various editions;
- Ministry of Finance and Economic Management, *The Cook Islands Renewable Energy Chart*, 2016;
- International Renewable Energy Agency (IRENA), *Pacific Lighthouses, Cook Islands*, 2013;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Cook Islands.

## Costa Rica [188]

Data availability: 1950 – 2019

Data sources

Sources from 2013 to 2019:

- UNSD Annual Questionnaire on Energy Statistics from the Secretaria Planificacion, Subsector Energia for the 2017 and the 2018 data cycles;
- Secretaria Planificacion, Subsector Energia, *Balance Energético Nacional*, various editions;
- UNSD estimates based on publicly available information.

Sources from 2002 to 2012:

- Secretaria Planificacion, Subsector Energia, *Balance Energético Nacional*, various editions;

- Direct communication with the *Instituto Nacional de Estadística y Censos* and the *Dirección Sectorial de Energía* regarding energy information for 2002-2012 data;
- UNSD estimates based on publicly available information.

Sources prior to 2002:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Costa Rica.

## Côte d'Ivoire [384]

Data availability: 1958 – 2018

Data sources

Sources from 2017 to 2018:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- ANARE-CI, *Rapport d'activités, 2017 and 2018 edition*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

Sources 2016:

- UNSD Annual Questionnaire on Energy Statistics from the Direction Générale de l'Énergie for the 2016 data cycle;
- ANARE-CI, *Rapport d'activités, 2017 and 2018 edition*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

Sources from 2006 to 2015:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- *Oil and Gas Journal, Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Côte d'Ivoire.

## Croatia [191]

Data availability: 1992 – 2018

Country specific information

Croatia is a European Union member country.

Data sources

*Sources 1992 -2018:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- *Oil and Gas Journal, Worldwide Refineries – Capacities*, various editions;
- Croatian Energy Regulatory Agency, Annual Report, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

## Cuba [192]

Data availability: 1950 – 2018

Data sources

*Sources from 2013 to 2018:*

- Oficina Nacional de Estadística e Información, *Anuario Estadístico de Cuba*, various editions;

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2012:*

- UNSD Annual Questionnaire on Energy Statistics from the Oficina Nacional de Estadística e Información for the data cycles 2004, and from 2006 to 2011/12;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- UNSD estimates based on publicly available information.

*Sources prior to 2002:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Cuba.

## Curaçao [531]

Data availability: 2012 – 2018

Data sources

*Sources from 2017 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;



- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2012 to 2016:*

- UNSD Annual Questionnaire on Energy Statistics from the Central Bureau of Statistics for the 2015 data cycle;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL); *Energy Snapshot, Curaçao 2015*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Cyprus [196]

Data availability: 1950 – 2018

Country specific information

Cyprus is a European Union member country.

Data sources

*Sources from 1990 to 2018:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Ministry of Finance, *Energy statistics*, various editions;
- Electricity Authority of Cyprus, *Annual report*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1990:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Cyprus.

## Czechia [203]

Data availability: 1992 – 2019

Country specific information

Czechia is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Democratic Republic of the Congo [180]

Data availability: 1950 – 2018

Data sources

*Sources from 2017 to 2018:*

- Direct communication with the Department of Statistics of the Ministère des Ressources Hydrauliques et Electricité regarding energy information for 2017-2018 data in the 2018 data cycle;
- Ministère des Ressources Hydrauliques et Électricité, *Bilan Énergétique 2018, 2020*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 1990 to 2016:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1990:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Democratic Republic of the Congo.

## Denmark [208]

Data availability: 1950 – 2019

Country specific information

Denmark is an and a European Union OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Djibouti [262]

Data availability: 1950 – 2018

Data sources

*Sources from 2007 to 2018:*

- Institut National de la Statistique de Djibouti, *Annuaire Statistique de Djibouti*, various editions;
- Institut National de la Statistique de Djibouti, *Annuaire Commerce Exterieur*, various editions;

- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Djibouti.

## Dominica [212]

Data availability: 1950 – 2019

Data sources

*Sources from 2006 to 2019:*

- Dominica Electricity Services Ltd, *Annual report*, various editions;
- Latin American Energy Organization (OLADE), *Commonwealth of Dominica. Energy Balances 2010 – 2012, 2014*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2005:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of Dominica for the 2004 data cycle;
- Dominica Electricity Services Ltd, *Annual report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Dominica.

## Dominican Republic [214]

Data availability: 1950 – 2018

### Country specific information

There is a break in the series of Other kerosene and Kerosene-type jet fuel in 1990 due to a change in data source.

### Data sources

#### *Sources from 2005 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Comision Nacional de Energia for the data cycles from 2010 to 2018;
- UNSD estimates based on publicly available information.

#### *Sources 2004:*

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

#### *Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Dominican Republic.

## Ecuador [218]

Data availability: 1950 – 2019

### Data sources

#### *Sources from 2007 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Ministerio de Energia y Recursos Naturales no Renovables for the data cycles from 2014 to 2018;
- Agencia de Regulacion y Control de Electricidad, *Estadística Anual y Multianual del Sector Eléctrico Ecuatoriano*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

#### *Sources 2006:*

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

#### *Sources from 2004 to 2005:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of Ecuador for the data cycles from 2004 to 2005;

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Ecuador.

## Egypt [818]

Data availability: 1950 – 2018

Country specific information

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

Data sources

*Sources from 2008 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Central Agency for Public Mobilization and Statistics for the data cycles from 2008 to 2013, for 2016 and for 2018;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Egyptian Electricity Holding Company, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources 2007:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Egypt.

Time Period

The electricity data refer to the fiscal year beginning July of the year previous to the stated, until the end of June of the year stated. During the 2017 data cycle our data provider noticed possible issues regarding the accounting of fiscal years. Revisions are pending.

## El Salvador [222]

Data availability: 1950 – 2019

Data sources

*Sources from 2013 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Superintendencia General de Electricidad y Telecomunicaciones for the data cycle 2018;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;

- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 1990 to 2012:*

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1990:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of El Salvador.

## Equatorial Guinea [226]

Data availability: 1950 – 2018

Data sources

*Sources from 2007 to 2018:*

- Instituto Nacional de Estadística de Guinea Ecuatorial (INEGE), *Anuario Estadístico de Guinea Ecuatorial*, various editions;
- Instituto Nacional de Estadística de Guinea Ecuatorial (INEGE), *Boletín Estadístico Trimestral*, various editions;
- Instituto Nacional de Estadística de Guinea Ecuatorial (INEGE), *Guinea Ecuatorial en Cifras*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;

- Banque des Etats de l'Afrique Centrale, *Données statistiques de base de la Guinée Equatoriale*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Equatorial Guinea.

## Eritrea [232]

Data availability: 1994 – 2019

Data sources

*Sources from 2000 to 2019:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Ministry of Energy and Mines Website, *Total public installed capacity, accessed on 21 September 2010*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2000:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Eritrea.

## Estonia [233]

Data availability: 1992 – 2019

Country specific information

Estonia is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- UNSD estimates based on publicly available information.

## Eswatini [748]

Country specific information

There are breaks in the series of heat, fuelwood and bagasse, following the reclassification of input for non-sold heat in autoproducers heat plants. This consumption is now reported under final use.

Data availability: 1950 – 2019

Data sources

*Sources from 2016 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Ministry of Natural Resources and Energy for the 2016 data cycle;
- Direct communication with the Ministry of Natural Resources and Energy regarding energy information for 2017-2018 data;
- Eswatini Electricity Company, *Annual Report*, various editions;
- Swaziland Electricity Company, *Annual report*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;

- UNSD estimates based on publicly available information.

*Sources from 1995 to 2015:*

- Central Bank of Swaziland, *Annual report*, various editions;
- Swaziland Electricity Company, *Annual report*, various editions;
- USGS, *2015 Minerals Yearbook, Swaziland*;
- SE4All, *Kingdom of Swaziland, Sustainable Energy for All, Country Action Plan, 2014*;
- Southern African Development Community (SADC), *Statistics Yearbook*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1995:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Swaziland.

## Ethiopia [231]

Data availability: 1994 – 2018

Data sources

*Sources from 2004 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Ethiopian Electric Power Website, *Facts and figures Generation*, accessed on 19 November 2020;
- Ethiopian Electric Power Website, *Power Generation*, accessed on 19 November 2020;

- Central Statistics Agency, *National Statistics Abstract*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

#### *Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Ethiopia.

#### Faeroe Islands [234]

Data availability: 1950 – 2019

#### Data sources

#### *Sources from 2006 to 2019:*

- Statistics Faeroe Islands Website, *Statbank*, accessed on 25 June 2020;
- SEV, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### *Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Faeroe Islands.

#### Falkland Islands (Malvinas) [238]

Data availability: 1950 – 2019

#### Data sources

#### *Sources from 2013 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Policy Unit of the Falkland Islands Government for the 2017 and the 2018 data cycles;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### *Sources from 2005 to 2012:*

- The Policy Unit of the Falkland Islands Government, *Statistics*;
- World Energy Council, *Survey of Energy Resources*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### *Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Falkland Islands.

#### Time Period

The electricity data from 2013 onwards refer to the year beginning July of the year previous to the stated, until the end of June of the year stated. All other data refer to the fiscal year beginning April of the year stated until March of the following year.

#### Fiji [242]

Data availability: 1950 – 2018

#### Data sources

#### *Sources from 2017 to 2018:*

- Energy Fiji Limited, *Annual Report*, various editions;
- Fiji Bureau of Statistics, *Key Statistics*, 2019;
- Fiji Bureau of Statistics, *International Merchandise Trade Statistics*, various editions;

- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2013 to 2016:*

- UNSD Annual Questionnaire on Energy Statistics from the Fiji Bureau of Statistics for the data cycles from 2013 to 2015;
- Fiji Electricity Authority, *Annual report*, various editions;
- International Renewable Energy Agency (IRENA), *Fiji Renewables Readiness Assessment*, 2015;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2011 to 2012:*

- Fiji Electricity Authority, *Annual report*, various editions;
- Fiji Bureau of Statistics, *Key Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2010:*

- UNSD Annual Questionnaire on Energy Statistics from the Fiji Bureau of Statistics for the 2010 data cycle;

- Fiji Electricity Authority, *Annual report*, various editions;
- Fiji Bureau of Statistics, *Key Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Fiji.

## Finland [246]

Data availability: 1950 – 2019

Country specific information

Finland is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## France [251]

Data availability: 1950 – 2019

Country specific information

France is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*



- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## French Polynesia [258]

Data availability: 1950 – 2018

Data sources

*Sources from 1993 to 2018:*

- Observatoire Polynésien de l'Énergie, *Bilan Énergétique de la Polynésie Française - Édition 2018* ;
- Institut de la Statistique de la Polynésie française, *Commerce extérieur*, accessed on 6 July 2020;
- Institut de la Statistique de la Polynésie française, *Energie*, accessed on 6 July 2020;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- EDT ENGIE Website, *Marama Nui*;
- Institut d'Émission d'Outre-mer, *Polynésie française. Rapport annuel*, various edition;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 1993:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of French Polynesia.

## Gabon [266]

Data availability: 1959 – 2018

Data sources

*Sources from 2000 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Société d'énergie et d'eau du Gabon, *Rapport Annuel*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2000:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Gabon.

## Gambia [270]

Data availability: 1950 – 2018

Data sources

*Sources from 2010 to 2018:*

- National Water and Electricity Company, *Annual Report 2016*;
- International Renewable Energy Agency (IRENA), *The Gambia, Renewables Readiness Assessment, 2013*;
- Platts, *UDI International Electric Power Sourcebook*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2002 to 2009:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of Gambia for the data cycles from 2008 to 2009;
- Platts, *UDI International Electric Power Sourcebook*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2002:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Gambia.

## Georgia [268]

Data availability: 1992 – 2019

Data sources

*Sources from 2007 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the National Statistical Office of Georgia (GEOSTAT) for the data cycles from 2007 to 2018;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Georgia.

## Germany [276]

Data availability: 1991 – 2019

Country specific information

Germany is an OECD and a European Union member country.

Until 2017 data, natural gas imports and exports include transit volumes.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Ghana [288]

Data availability: 1950 – 2018

Data sources

*Sources from 2010 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Energy Commission for the data cycles from 2010 to 2017;
- Energy Commission, *Energy Statistics*, various editions;
- Energy Commission, *National Energy Statistics 2000-2012*, 2013;
- Energy Commission, *Strategic National Energy Plan 2006-2020*, 2006;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- UNSD estimates based on publicly available information.

*Sources from 2003 to 2009:*

- Energy Commission, *National Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;

- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2003:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Ghana.

## Gibraltar [292]

Data availability: 1950 – 2019

Data sources

*Sources from 1991 to 2019:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 1991:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Gibraltar.

## Greece [300]

Data availability: 1950 – 2019

Country specific information

Greece is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Hellenic Petroleum SA, *Annual report*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Greenland [304]

Data availability: 1950 – 2018

Country specific information

Data for Kerosene-type jet fuel include Other kerosene.

Data sources

*Sources 2018:*

- Nukissiofiit Website, *Renewable Energy: Hydropower*, accessed on 12 October 2020;
- UNSD estimates based on publicly available information.

*Sources from 2011 to 2017:*

- UNSD Annual Questionnaire on Energy Statistics from the Ministry of Industry, Labour, Trade and Energy for the 2017 data cycle;
- UNSD Annual Questionnaire on Energy Statistics from the Energy Commission for the 2011/12, and from the 2014 to the 2016 data cycles;
- Statbank Greenland, Database access;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2010:*

- Statbank Greenland, Database access;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available

information and direct communication with the administration of Greenland.

## Grenada [308]

Data availability: 1950 – 2018

Data sources

*Sources from 1998 to 2018:*

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- UNSD estimates based on publicly available information.

*Sources prior to 1998:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Grenada.

## Guam [316]

Data availability: 1950 – 2018

Data sources

*Sources from 2014 to 2018:*

- Guam Power Authority, *Financial Statement*, various editions;
- Guam Power Authority, *Annual Report*, various editions;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL); *Energy Snapshot*, Guam 2015;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2013:*

- UNSD Annual Questionnaire on Energy Statistics from the Bureau of Statistics and Plans for the 2009 and the 2013 the data cycles;
- Guam Power Authority, *Annual Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 1984 to 2003:*

- Guam Power Authority Website, *Generation*;
- Pacific Community, Pacific Regional Data Repository, *Guam Key Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1984:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Guam.

Time Period

The data refer to the fiscal year beginning October of the year previous to the stated, until the end of September of the year stated.

## Guatemala [320]

Data availability: 1950 – 2018

Data sources

*Sources 2018:*

- Ministerio de Energía y Minas, *Balances Energéticos*, various editions;
- Ministerio de Energía y Minas, *Informe Estadístico 2018, 2020*;
- Ministerio de Energía y Minas, *Matriz de Generación Eléctrica, 2012 - 2018*, various editions;
- Instituto Nacional de Estadística, *Compendio de Estadísticas Ambientales*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- UNSD estimates based on publicly available information

*Sources from 2012 to 2017:*

- UNSD Annual Questionnaire on Energy Statistics from the Ministerio de Energía y Minas for the 2016 data cycle;
- Ministerio de Energía y Minas, *Balances Energéticos*, various editions;
- Ministerio de Energía y Minas, *Matriz de Generación Eléctrica, 2012 - 2018*, various editions;
- Instituto Nacional de Estadística, *Compendio de Estadísticas Ambientales*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- UNSD estimates based on publicly available information

*Sources from 1998 to 2011:*

- Ministerio de Energía y Minas, *Balances Energéticos*, various editions;
- Instituto Nacional de Estadística, *Compendio de Estadísticas Ambientales*, various editions;
- Ministerio de Energía y Minas, *Environmental Statistics Compendium*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1998:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Guatemala.

## Guernsey [831]

Data availability: 2002 – 2018

Data sources

*Sources from 2008 to 2018:*

- Guernsey Electricity, *Annual Report and Accounts*, various editions;
- Guernsey Electricity, *Report and financial statements*, various editions;
- States of Guernsey, *Guernsey Facts and Figures - Supplementary Data*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2008:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Guernsey.

Time Period

The data refer to the fiscal year beginning April of the year previous to the stated, until the end of March of the year stated.

## Guinea [324]

Data availability: 1958 – 2018

## Data sources

### Sources from 2006 to 2018:

- Institut National de la Statistique, *Annuaire statistique de l’Energie 2018*, 2019;
- Institut National de la Statistique, *Annuaire statistique*, various editions;
- Institut National de la Statistique, *Annuaire des statistiques de l’environnement*, various editions;
- Electricité de Guinée Website, *Production & Achat d’Energie*, accessed on 5 August 2020;
- Electricité de Guinée Website, *Production*, accessed on 5 August 2020;
- Electricité de Guinée, *Rapport Annuel*, various editions;
- SIE Guinée, *Bilan Energétique National 2013*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

### Sources prior to 2006:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Guinea.

## Guinea-Bissau [624]

Data availability: 1950 – 2018

## Data sources

### Sources from 1997 to 2018:

- African Development Bank, *Statistical Yearbook*, various editions;
- Instituto Nacional de Estatística e Censos, *Guiné-Bissau em Números*, 2005;
- Platts, *UDI International Electric Power Sourcebook*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;

- UNSD estimates based on publicly available information.

### Sources prior to 1997:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Guinea-Bissau.

## Guyana [328]

Data availability: 1950 – 2018

## Data sources

### Sources from 2003 to 2018:

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- Guyana Energy Agency, *Final Energy Information 2003-2014*;
- Guyana Energy Agency, *Final Energy Information 1994-2012*;
- UNSD estimates based on publicly available information.

### Sources prior to 2003:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Guyana.

## Haiti [332]

Data availability: 1950 – 2018

## Data sources

### Sources from 1990 to 2018:

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1990:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Haiti.

## Honduras [340]

Data availability: 1950 – 2018

Data sources

*Sources from 2007 to 2018:*

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2006:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of Honduras for the 2005 and the 2006 data cycles;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Honduras.

## Hungary [348]

Data availability: 1950 – 2019

Country specific information

Hungary is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Iceland [352]

Data availability: 1950 – 2019

Country specific information

Iceland is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;

- UNSD estimates based on publicly available information.

## India [356]

Data availability: 1950 – 2018

Data sources

*Sources 2018:*

- Central Statistics Office, *Energy Statistics 2020*, 2020;
- Ministry of Petroleum and Natural Gas, *Indian Petroleum & Natural Gas Statistics 2018-2019*, 2020;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- World Nuclear Association Website, *World Uranium Mining Production*, accessed on 15 December 2020;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2017:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of India for the data cycles from 2007 to 2009, from 2010 to 2011/12, and from 2014 to 2017;
- Central Statistics Office, *Energy Statistics*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Central Electricity Authority, *Annual Report*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- World Nuclear Association Website, *World Uranium Mining Production*, accessed on 15 December 2020;

- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of India.

Time Period

The data refer to the fiscal year beginning April of the year stated, until the end of March of the following year.

## Indonesia [360]

Data availability: 1950 – 2018

*Sources from 2013 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Badan Pusat Statistik for the data cycles from 2013 to 2018;
- Ministry of Energy and Mineral Resources, *Handbook of Energy & Economic Statistics of Indonesia*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2011 to 2012:*

- Ministry of Energy and Mineral Resources, *Handbook of Energy & Economic Statistics of Indonesia*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2010:*

- UNSD Annual Questionnaire on Energy Statistics from the Badan Pusat Statistik for the data cycles from 2007 to 2010;



- Ministry of Energy and Mineral Resources, *Handbook of Energy & Economic Statistics of Indonesia*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2006:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition,
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Indonesia.

## Iran (Islamic Republic of) [364]

Data availability: 1950 – 2018

Data sources

*Sources from 2016 to 2018:*

- Statistical Center of Iran, *Statistical Yearbook*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Gas Exporting Countries Forum (GECF), *Annual Statistical Bulletin*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2006 to 2015:*

- UNSD Annual Questionnaire on Energy Statistics from the Statistical Centre of Iran for the 2007, the 2008, from the 2010 to the 2013, and for the 2015 data cycles;
- TAVANIR, *Statistical Report on Iran Electric Power Industry*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources 2005:*

- TAVANIR, *Statistical Report on Iran Electric Power Industry*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Iran.

Time Period

The data refer to the fiscal year beginning 21 March of the year stated, until 20 March of the following year.

## Iraq [368]

Data availability: 1950 – 2018

*Sources from 2015 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Central Statistics Organization for the data cycles from 2015 to 2018;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2011 to 2014:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2010:*

- UNSD Annual Questionnaire on Energy Statistics from the Central Statistics Organization for the 2010 data cycle;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;

- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Iraq.

## Ireland [372]

Data availability: 1950 – 2019

Country specific information

Ireland is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Isle of Man [833]

Data sources

Data availability: 1995– 2018

*Sources from 2008 to 2018:*

- Manx Utilities Authority, *Annual Reports*, various editions;
- United Kingdom, Department for Business, Energy & Industrial Strategy, *Natural gas imports and exports*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2008:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Isle of Man.

#### Time Period

The data refer to the fiscal year beginning April of the year previous to the stated, until the end of March of the year stated.

#### Israel [376]

Data availability: 1950 – 2019

#### Country specific information

Israel is an OECD member country.

#### Data sources

##### Sources up to 2019

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

#### Italy [382]

Data availability: 1950 – 2019

#### Country specific information

Italy is an OECD and a European Union member country.

#### Data sources

##### Sources up to 2019:

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Unione Energie per la Mobilità Website, *Capacità delle raffinerie per dimensione*, accessed on 27 November 2020;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;

- UNSD estimates based on publicly available information.

#### Jamaica [388]

Data availability: 1950 – 2018

#### Data sources

##### Sources 2018:

- Ministry of Science, Energy and Technology, *Jamaica Energy Balance 2018*, 2019;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- UNSD estimates based on publicly available information.

##### Sources from 2008 to 2017:

- UNSD Annual Questionnaire on Energy Statistics from the Ministry of Science, Energy and Technology from the 2010 to the 2014, and the 2017 data cycles;
- UNSD estimates based on publicly available information.

##### Sources from 2006 to 2007:

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;

- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Jamaica.

## Japan [392]

Data availability: 1973 – 2019

Country specific information

Japan is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Petroleum Association of Japan, *Location of Refineries and Crude Distillation Capacity in Japan*, accessed on 24 November 2020;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

Time Period

The data refer to the fiscal year beginning April of the year stated, until the end of March of the following year.

## Jersey [832]

Data availability: 1991 – 2018

Data sources

*Sources from 2007 to 2018:*

- Statistics Jersey, *Jersey Energy Trends*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Jersey.

## Jordan [400]

Data availability: 1950 – 2018

Data sources

*Sources from 2017 to 2018:*

- Ministry of Energy and Mineral Resources, *Energy Information System*, accessed on 4 December 2020;
- Ministry of Energy and Mineral Resources, *Balance Sheet*, Various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2016:*

- Direct communication with the Ministry of Energy and Mineral Resources regarding energy information for 2015-2016 data in the 2015 data cycle;
- UNSD Annual Questionnaire on Energy Statistics from the Ministry of Energy and Mineral Resources for the 2007 and the 2014 data cycles;
- Ministry of Energy and Mineral Resources, *Energy Information System*, accessed on 4 December 2020
- Ministry of Energy and Mineral Resources, *Balance Sheet*, Various editions;
- Arab Union of Electricity, *Statistical Bulletin*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;

- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Jordan.

## Kazakhstan [398]

Data availability: 1992 – 2018

### Country specific information

The Committee of Statistics of Kazakhstan constantly works on improving data quality and aligning their data collection and dissemination system with the International Recommendations for Energy Statistics. Supply of some oil products for 2016 and 2017 as well as coke oven throughputs from 2014 until 2018 are under verification.

### Data sources

*Sources from 2015 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Statistics Committee of the Ministry of National Economy for the data cycles from 2015 to 2018;
- Committee on statistics of the Ministry of National Economy, *Fuel and energy balance of the Republic of Kazakhstan*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2009 to 2014:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Committee on statistics of the Ministry of National Economy, *Fuel and energy balance of the Republic of Kazakhstan*, various editions;
- Agency of Statistics of the Republic of Kazakhstan, *Statistical Yearbook of Kazakhstan*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2000 to 2008:*

- UNSD Annual Questionnaire on Energy Statistics from the Agency of Statistics of the Republic of Kazakhstan for the data cycles from 2005 to 2008;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Agency of Statistics of the Republic of Kazakhstan, *Statistical Yearbook of Kazakhstan*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Kazakhstan.

## Kenya [404]

Data availability: 1950 – 2018

Data sources

Sources 2018:

- Kenya National Bureau of Statistics, *Statistical Abstract*, various editions;
- Ministry of Energy Website, *Energy Statistics*, accessed on 1 December 2020;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources from 2013 to 2017:

- UNSD Annual Questionnaire on Energy Statistics from the Kenya National Bureau of Statistics for the data cycles from 2013 to 2016;
- Kenya National Bureau of Statistics, *Statistical Abstract*, various editions;
- Kenya National Bureau of Statistics, *Kenya Facts*, various editions;
- UNSD estimates based on publicly available information.

Sources from 2011 to 2012:

- Kenya National Bureau of Statistics, *Statistical Abstract*, various editions;
- Kenya National Bureau of Statistics, *Electricity Installed Capacity by type of Power, 2004-2012*;
- Kenya National Bureau of Statistics, *Throughput and Output of Finished Petroleum Products, 2004-2012*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources from 2007 to 2010:

- UNSD Annual Questionnaire on Energy Statistics from the Kenya National Bureau of Statistics for the 2007, the 2009 and the 2010 data cycles;
- Kenya National Bureau of Statistics, *Statistical Abstract*, various editions;
- Kenya National Bureau of Statistics, *Electricity Installed Capacity by type of Power, 2004-2012*;
- Kenya National Bureau of Statistics, *Throughput and Output of Finished Petroleum Products, 2004-2012*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Kenya.

## Kiribati [296]

Data availability: 1960 – 2018

Data sources

Sources from 2006 to 2018:

- Pacific Community, Pacific Regional Data Repository, *Kiribati Petroleum Imports 2015 - 2017*;
- Pacific Community, Pacific Regional Data Repository, *Kiribati fuel imports & sales breakdown by end-use sector for 2010 – 2014*;
- Pacific Community, Pacific Regional Data Repository, *Kiribati yearly fuel imports from 2007 – 2013*;
- Pacific Community, Pacific Regional Data Repository, *Kiribati power statistics 2010 – 2013*;
- Pacific Community, Pacific Regional Data Repository, *Solar energy data Kiribati 2010 – 2013*;
- Kiribati statistical office Website, *Electricity*;

- Ministry of Public Works and Utilities, *Kiribati National Energy Policy*, 2009;
- International Renewable Energy Agency (IRENA), *Kiribati Integrated Energy Roadmap: 2017–2025*, 2017;
- International Renewable Energy Agency (IRENA), *Pacific Lighthouses, Kiribati*, 2013;
- International Renewable Energy Agency (IRENA), *Kiribati, Renewables Readiness assessment*, 2012;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources prior to 2006:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Kiribati.

## [Korea, Democratic People's Republic of \[408\]](#)

Data availability: 1950 – 2018

Data sources

Sources from 2008 to 2018:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Korea Energy Economic Institute Website, *Korea Energy Statistical Information System*, accessed on 20 October 2020;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources prior to 2008:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Democratic People's Republic of Korea.

## [Korea, Republic of \[410\]](#)

Data availability: 1950 – 2019

Country specific information

Republic of Korea is an OECD member country.

Data sources

Sources up to 2019:

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- U.S. Energy Information Administration, *Country Analysis Executive Summary: South Korea*, 2020;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## [Kosovo \[412\]](#)

Data availability: 2000 – 2018

Data sources

Sources from 2000 to 2018:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Eurostat, *Electricity production capacities by main fuel groups and operator*, 2020;
- Kosovo Agency of Statistics, *Energy Balance*, various editions;
- UNSD estimates based on publicly available information.

## [Kuwait \[414\]](#)

Data availability: 1950 – 2018

## Country specific information

Data for Conventional crude oil production include 50 per cent of the output of the Neutral Zone.

### Data sources

#### *Sources from 2017 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Central Statistical Bureau for the 2017 data cycle;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- World Bank, Global Gas Flaring Reduction Partnership, *Gas flaring data*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### *Sources from 2013 to 2016:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition,
- Arab Union of Electricity, *Statistical Bulletin*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### *Sources from 2000 to 2012:*

- UNSD Annual Questionnaire on Energy Statistics from Central Statistical Bureau for the 2005, the 2008 and the 2012 data cycles;
- Direct communication with the Kuwaiti Administrations regarding energy information for 2000-2012 data;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;

- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### *Sources prior to 2000:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Kuwait.

## Kyrgyzstan [417]

Data availability: 1992 – 2018

### Data sources

#### *Sources from 2018 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the National Statistical Committee of Kyrgyzstan for the 2018 data cycle;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### *Sources from 2011 to 2017:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- World Bank Energy and Extractives Global Practice, *Analysis of the Kyrgyz Republic's Energy Sector, 2017*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;



- UNSD estimates based on publicly available information.

*Sources from 2005 to 2010:*

- UNSD Annual Questionnaire on Energy Statistics from the National Statistical Committee of Kyrgyzstan for the 2007 and 2010 data cycles;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Kyrgyzstan.

#### [Lao People's Democratic Republic \[418\]](#)

Data availability: 1955 – 2018

Data sources

*Sources from 2005 to 2018:*

- Lao Statistics Bureau, *Statistical Yearbook*, various editions;
- OECD, *Economic outlook for southeast Asia, China and India 2019: Towards smart urban transportation*, 2018;
- Economic Research Institute for ASEAN and East Asia, *Lao PDR Energy Statistics*, 2018;
- Ministry of Energy and Mines, *Data Collection Study (Preliminary Assessment) on Energy Sector in Lao People's Democratic Republic*, 2012;
- Électricité du Laos, *Statistic report*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;

- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Lao People's Democratic Republic.

#### [Latvia \[428\]](#)

Data availability: 1992 – 2019

Country specific information

Latvia is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- UNSD estimates based on publicly available information.

#### [Lebanon \[422\]](#)

Data availability: 1950 – 2019

Data sources

*Sources from 2012 to 2019:*

- Direct communication with the Ministry of Energy and Water regarding energy information for 2012-2018 data;
- Central Administration of Statistics, *Electricity of Lebanon (EDL) 1995-2020*, Source: EDL, accessed on 27 November 2020;
- Central Administration of Statistics, *Imported Petroleum Products 1995-2019*, Source: Ministry of Energy and Water, accessed on 27 November 2020;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;

- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- United Nations Development Programme (UNDP), *2016 Solar PV Status, Report for Lebanon*;
- ALMEE, *Les Bilans Energétiques du Liban pour 2009 – 2013* ;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2009 to 2011:*

- Central Administration of Statistics, *Electricity of Lebanon (EDL) 1995-2020*, Source: EDL, accessed on 27 November 2020;
- Central Administration of Statistics, *Imported Petroleum Products 1995-2019*, Source: Ministry of Energy and Water, accessed on 27 November 2020;
- ALMEE, *Les Bilans Energétiques du Liban pour 2009 – 2013* ;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2008:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of Lebanon for the 2007 and 2008 data cycles;
- Central Administration of Statistics, *Electricity of Lebanon (EDL) 1995-2020*, Source: EDL, accessed on 27 November 2020;
- Central Administration of Statistics, *Imported Petroleum Products 1995-2019*, Source: Ministry of Energy and Water, accessed on 27 November 2020;
- ALMEE, *Les Bilans Energétiques du Liban pour 2009 – 2013* ;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2006:*

- Central Administration of Statistics, *Electricity of Lebanon (EDL) 1995-2020*, Source: EDL, accessed on 27 November 2020;
- Central Administration of Statistics, *Imported Petroleum Products 1995-2019*, Source: Ministry of Energy and Water, accessed on 27 November 2020;
- ALMEE, *Les Bilans Energétiques du Liban pour 2009 – 2013* ;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Lebanon.

## Lesotho [426]

Data availability: 1950 – 2018

### Country specific information

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

### Data sources

*Sources from 2017 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Bureau of Statistics for the 2017 and the 2018 data cycles;
- Bureau of Statistics, *Energy Reports*, various editions;
- UNSD estimates based on publicly available information

*Sources 2016:*

- Bureau of Statistics, *Energy Reports, 2017*;
- UNSD estimates based on publicly available information.

*Sources from 2014 to 2015:*

- UNSD Annual Questionnaire on Energy Statistics from the Bureau of Statistics for the 2015 data cycle;
- Bureau of Statistics, *Energy Reports*, various editions;
- Lesotho, Electricity and Water Authority, *Annual Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2011 to 2013:*

- Bureau of Statistics, *Energy, Air and Climate Change 2013*;
- Bureau of Statistics, *Energy Balance report 2009-2011*;
- Lesotho, Electricity and Water Authority, *Annual Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources 2010:*

- UNSD Annual Questionnaire on Energy Statistics from the Bureau of Statistics for the 2010 data cycle;
- Bureau of Statistics, *Energy Balance report 2009-2011*;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2009:*

- Bureau of Statistics, *Environment and Energy Statistics Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available

information and direct communication with the administration of Lesotho.

[Liberia \[430\]](#)

Data availability: 1950 – 2018

Data sources

*Sources from 2005 to 2018:*

- Liberia Petroleum Refining Company, *Annual Report*, various editions;
- Central Bank of Liberia, *Financial and Economic Bulletin*, various editions;
- Central Bank of Liberia, *Liberia Financial Statistics*, various editions;
- African Development Bank, *Statistical Yearbook*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Liberia.

[Libya \[434\]](#)

Data availability: 1950 – 2018

Data sources

*Sources from 2005 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Gas Exporting Countries Forum (GECF), *Annual Statistical Bulletin*, various editions;

- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various editions;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Libya.

### Liechtenstein [438]

Data availability: 1990 – 2019

Data sources

*Sources from 1990 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Office of Statistics Liechtenstein for the data cycles from 2011 to 2018;
- Office of Statistics Liechtenstein, *Energiestatistik*, various editions;
- UNSD estimates based on publicly available information.

### Lithuania [440]

Data availability: 1992 – 2019

Country specific information

Lithuania is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- ORLEN, *PKN ORLEN – prezentacja Grupy Kapitałowej*, 2019;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

### Luxembourg [442]

Data availability: 1950 – 2019

Country specific information

Luxembourg is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- UNSD estimates based on publicly available information.

### Madagascar [450]

Data availability: 1950 – 2018

Country specific information

Data for Bitumen include Petroleum coke.

Data sources

*Sources from 2000 to 2018:*

- Office Malgache des Hydrocarbures Website, Importations. Evolution annuelle, accessed on 8 September 2020;
- Office Malgache des Hydrocarbures Website, Consommation annuelle, accessed on 8 September 2020;
- Ministère de l'Énergie et des Hydrocarbures, *Bilan Energetique National 2017*;
- Institut National de la Statistique, *Micro données*, various editions;

- Institut National de la Statistique, Office Malgache des Hydrocarbures, *Importation Annuelle*, various editions;
- Office de Régulation de l'Electricité, *Données Techniques*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2000:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Madagascar.

## Malawi [454]

Data availability: 1964 – 2019

Data sources

*Sources from 2004 to 2019:*

- Ministry of Finance, Economic Planning and Development, *Annual Economic Report*, various editions;
- National Statistical Office, *Statistical Yearbook*, various editions;
- National Statistical Office, *Quarterly Statistical Bulletin*, various editions;
- Electricity Supply Corporation of Malawi Limited, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 1999 to 2003:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of Malawi for the 2004 data cycle;
- National Statistical Office, *Statistical Yearbook*, various editions;

- National Statistical Office, *Quarterly Statistical Bulletin*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1999:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Malawi.

## Malaysia [458]

Data availability: 1970 – 2018

Data sources

*Sources from 2005 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from Suruhanjaya Tenaga (Energy Commission) for the 2005, and from the 2007 to the 2018 data cycles;
- Suruhanjaya Tenaga (Energy Commission), *Malaysia Energy Statistics Handbook*, various editions;
- Suruhanjaya Tenaga (Energy Commission), *National Energy Balance*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Foreign Agricultural Service of the the United States Department of Agriculture, *Malaysia Biofuels Annual 2017*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available

information and direct communication with the administration of Malaysia.

## Maldives [462]

Data availability: 1970 – 2018

Data sources

*Sources from 2007 to 2018:*

- National Bureau of Statistics, *Statistical Yearbook of Maldives*, various editions;
- National Bureau of Statistics, *Statistical Pocketbook of Maldives*, various editions;
- Maldives Customs Service, *Imports Statistics*, various editions;
- Ministry of Environment and Energy, *Island Electricity Data Book*, various editions;
- State Electric Company Limited (STELCO) Website, accessed on 11 September 2020;
- Department of National Planning, *Statistical Yearbook*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2001 to 2006:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of Maldives for the 2004, the 2006 and the 2007 data cycles;
- UNSD estimates based on publicly available information.

*Sources prior to 2001:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Maldives.

## Mali [466]

Data availability: 1958 – 2018

Country specific information

Manatali dam and Felou hydro electricity plant are located in Mali and supply electricity to Mali, Senegal and Mauritania according to the respective shares these three countries have in the Organization for the Development of the Senegal River (Organisation pour la mise en valeur du fleuve Sénégal, or OMVS). Following the energy statistics definition, electricity obtained by Senegal and Mauritania from these plants are counted as produced in and exported from Mali.

Data sources

*Sources from 2014 to 2018:*

- Institut National de la Statistique, *Annuaire Statistique du Mali*, various editions;
- Système d'Information Energétique (SIE-Mali), *Rapport*, 2014;
- Energie du Mali SA Website, *EDM en chiffre*, accessed on 9 October 2020;
- Energie du Mali SA, *Rapport Annuel*, various editions;
- African Development Bank Group, *Renewable Energy in Africa. Mali Country Profile*, 2015;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources 2013:*

- UNSD Annual Questionnaire on Energy Statistics from the Institut National de la Statistique for the 2013 data cycle;
- Institut National de la Statistique, *Annuaire Statistique du Mali*, various editions;
- Energie du Mali SA, *Rapport Annuel*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2012:*

- Système d'Information Energétique (SIE-Mali), *Rapport*, various editions;

- African Energy Commission (AFREC), *Africa Energy Statistics*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Energie du Mali SA, *Rapport Annuel*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Mali.

## Malta [470]

Data availability: 1950 – 2018

Country specific information

Malta is a European Union member country.

Data sources

*Sources from 1990 to 2018:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 1990:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Malta.

## Marshall Islands [584]

Data availability: 1992 – 2018

Data sources

*Sources from 2006 to 2018:*

- U.S. Department of Energy, National Renewable Energy Laboratory (NREL); *Republic of the Marshall Islands. Pursuing a Sustainable and Resilient Energy Future*, 2016;
- Asian Development Bank, *Key Indicators for Asia and the Pacific*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *The Republic of the Marshall Islands, Renewables Readiness assessment*, 2015;
- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Marshall Islands.

## Mauritania [478]

Data availability: 1959 – 2018

Country specific information

Manatali dam and Felou hydro electricity plant are located in Mali and supply electricity to Mali, Senegal and Mauritania, according to the respective shares these three countries have in the Organization for the Development of the Senegal River (Organisation pour la mise en valeur du fleuve Sénégal, or OMVS). Following the energy statistics definition, electricity obtained by Mauritania from these plants are counted as imports, and not as Mauritanian hydro electricity production.

Data sources

*Sources from 2010 to 2018:*

- Office National de la Statistique, *Annuaire Statistique*, various editions;
- Office National de la Statistique, *Bulletin Trimestriel de Conjoncture*, various editions;

- Office National de la Statistique, *Notes de commerce extérieur*, various editions;
- Office National de la Statistique, *Mauritanie en chiffres*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- SOMELEC Website, *Production*, accessed on 14 September 2020;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources 2009:*

- UNSD Annual Questionnaire on Energy Statistics from the Office National de la Statistique for the 2009 data cycle;
- Office National de la Statistique, *Statistical Yearbook*, various editions;
- Office National de la Statistique, *Bulletin Trimestriel de Conjoncture*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information

*Sources from 2007 to 2008:*

- Office National de la Statistique, *Statistical Yearbook*, various editions;
- Office National de la Statistique, *Foreign Trade Annexes*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Mauritania.

## Mauritius [480]

Data availability: 1950 – 2018

Data sources

*Sources from 2006 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Statistics Mauritius for the data cycles from 2007 to 2011/12, and from 2014 to 2018;
- Statistics Mauritius, *Energy and Water Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Mauritius.

## Mexico [484]

Data availability: 1950 – 2019

Country specific information

Mexico is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Petróleos Mexicanos, *Statistical Yearbook*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Micronesia, Federated States of [583]

Data availability: 1992 – 2019

Data sources



#### Sources from 2007 to 2019:

- Department of Resources and Development of the Federated States of Micronesia, *Federated States of Micronesia Experimental energy accounts*, 2017;
- Department of Economic Affairs of the Federated States of Micronesia National Government, *Statistical Yearbook*, various editions;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL), *Energy Snapshot, Federated States of Micronesia*, 2015;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Pacific Lighthouses, Federated States of Micronesia*, 2013;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Federated States of Micronesia.

### Mongolia [496]

Data availability: 1950 – 2018

Data sources

#### Sources from 2007 to 2018:

- UNSD Annual Questionnaire on Energy Statistics from the National Statistical Office of Mongolia for data cycles from 2007 to 2010, and from 2014 to 2017;
- Direct communication with the Ministry of Energy regarding energy information for 2011–2015 data;
- National Statistical Office of Mongolia, *Balance of Electricity*, various editions;

- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Mongolia.

### Montenegro [499]

Data availability: 2005 – 2019

Data sources

#### Sources from 2018 to 2019:

- Statistical Office of Montenegro, *Energy statistics, Data tables: Balance of coal, Balance of electricity, Balance of oil products, Balance of wood fuel*, accessed on 27 November 2020;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions.
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#### Sources from 2007 to 2017:

- UNSD Annual Questionnaire on Energy Statistics from the Statistical Office of Montenegro for the data cycles from 2011/12 to 2017;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

#### Sources from 2005 to 2006:

- Statistical Office of Montenegro, *Statistical Yearbook of Montenegro*, various editions;
- Statistical Office of Montenegro, *Statistical Energy balances*, various editions;

- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

## Montserrat [500]

Data availability: 1957 – 2018

Data sources

*Sources 2018:*

- UNSD estimates based on publicly available information.

*Sources from 2007 to 2017:*

- UNSD Annual Questionnaire on Energy Statistics from the Ministry of Finance and Economic Management for the 2013, the 2014 and the 2016 data cycles;
- Ministry of Communications, Works, Labour and Energy, *The Montserrat energy policy 2016 – 2030*, 2016;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2006:*

- Ministry of Communications, Works, Labour and Energy, *Montserrat energy policy, 2008 – 2027*, 2008;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Montserrat.

Time Period

The data refer to the fiscal year beginning April of the year previous to the stated, until the end of March of the year stated.

## Morocco [504]

Data availability: 1950 – 2018

Data sources

*Sources from 2016 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Arab Union of Electricity, *Statistical Bulletin*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2015:*

- UNSD Annual Questionnaire on Energy Statistics from the Ministry of Finance and Economic Management for the 2007, the 2008, the 2010, the 2012 and the 2015 data cycles;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Morocco.

## Mozambique [508]

Data availability: 1950 – 2018

Data sources

*Sources from 2017 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Southern African Power Pool, *Annual Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2013 to 2016:*

- UNSD Annual Questionnaire on Energy Statistics obtained from the Instituto Nacional de Estatística in Mozambique for the data cycles from 2013 to 2015;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2006 to 2012:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Southern African Power Pool, *Annual Report*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2005:*

- UNSD Annual Questionnaire on Energy Statistics obtained from the Instituto Nacional de Estatística in Mozambique for the 2004 data cycle;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2003:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Mozambique.

## Myanmar [104]

Data availability: 1950 – 2018

Data sources

*Sources 2018:*

- Central Statistical Office, *Myanmar Statistical Yearbook*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2017:*

- UNSD Annual Questionnaire on Energy Statistics from the Ministry of Finance and Economic Management for the data cycles from 2010 to 2014, and for 2016;
- Central Statistical Organization, *Quarterly Statistics Bulletin*, various editions;
- Central Statistical Organization, *Selected Monthly economic indicators*, various editions;
- Central Statistical Office, *Myanmar Statistical Yearbook*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Myanmar.

Time Period

The data refer to the fiscal year beginning April of the year previous to the stated, until the end of March of the year stated.

[Namibia \[516\]](#)

Data availability: 1991 – 2018

Data sources

*Sources from 2014 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- NamPower, *Annual Report*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2011 to 2013:*

- UNSD Annual Questionnaire on Energy Statistics from the Namibia Statistics Agency for the 2011/12 data cycle;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- NamPower, *Annual Report*, various editions;

- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2002 to 2010:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- NamPower, *Annual Report*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- Southern African Power Pool, *Annual Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2002:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Namibia.

[Nauru \[520\]](#)

Data availability: 1950 – 2018

Data sources

*Sources from 2007 to 2018:*

- Nauru Utilities Corporation, *Annual Report*, various editions;
- Government of Nauru, *Nauru Energy Road Map (NERM) 2018 -2020*, 2018;
- Government of Nauru, *Nauru Energy Road Map (NERM) 2014 -2020*, 2014;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Pacific Lighthouses, Nauru*, 2013;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;

- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Nauru.

## Nepal [524]

Data availability: 1950 – 2018

Data sources

*Sources from 2015 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Nepal Electricity Authority, *Annual Report*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2014:*

- UNSD Annual Questionnaire on Energy Statistics from the Central Bureau of Statistics for the 2008, and from the 2011/12 to the 2014 data cycles;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Nepal Electricity Authority, *Annual Report*, various editions;
- Central Bureau of Statistics, *Statistical Pocket Book*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Nepal.

Time Period

The data refer to the fiscal year beginning July of the year previous to the stated, until the end of June of the year stated.

## Netherlands [528]

Data availability: 1950 – 2019

Country specific information

The Netherlands are an OECD and a European Union member country.

Data for Petroleum coke for 2006-2007 and production and exports of Biogasoline for 2010-2012 are confidential.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## New Caledonia [540]

Data availability: 1950 – 2018

Data sources

*Sources 2018:*

- Institut de la statistique et des études économiques (ISEE) Nouvelle-Calédonie, *La consommation d'électricité de la distribution publique*, accessed on 8 July 2020;
- Institut de la statistique et des études économiques (ISEE) Nouvelle-Calédonie, *Le bilan énergétique*, accessed on 8 July 2020;

- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2017:*

- Direct communication with the Observatoire Économique regarding energy information for 2012-2017 data;
- UNSD Annual Questionnaire on Energy Statistics from the Observatoire Économique from the 2004 to the 2010, the 2014 and the 2015 data cycles;
- Observatoire de l'Energie en Nouvelle-Calédonie Database, accessed on 3 October 2019;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of New Caledonia.

## New Zealand [554]

Data availability: 1950 – 2019

Country specific information

New Zealand is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Refining NZ Website, *Key Facts*, accessed on 27 November 2020;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

Time Period

The data for Electricity, Heat, Biofuels until 1993 only and waste refer to the fiscal year beginning April of the year stated, until the end of March of the following year.

## Nicaragua [558]

Data availability: 1950 – 2018

Data sources

*Sources from 2014 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Nicaragua National Institute of Information Development for the 2018 data cycle;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Puma Energy Website, *Where we operate*, accessed on 27 August 2020;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2006 to 2013:*

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2000 to 2005:*

- UNSD Annual Questionnaire on Energy Statistics from information and direct communication with the administration of Nicaragua for the 2005 data cycle;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2000:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Nicaragua.

[Niger \[562\]](#)

Data availability: 1958 – 2018

Data sources

*Sources from 2004 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Institut National de la Statistique for the 2009, the 2010, the 2013, the 2015, and the 2017 data cycles;
- Institut National de la Statistique, *Annuaire Statistiques*, various editions;
- Institut National de la Statistique, *Statistiques du commerce exterieur*, various editions;
- Institut National de la Statistique, *Bulletin trimestriel de statistique*, various editions;
- Institut National de la Statistique, *Le Niger en chiffres*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Niger.

[Nigeria \[566\]](#)

Data availability: 1950 – 2018

Data sources

*Sources from 1990 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition,
- Gas Exporting Countries Forum (GECF), *Annual Statistical Bulletin*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Power Africa, *Nigeria Power Baseline Report*, 2015;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1990:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Nigeria.

## Niue [570]

Data availability: 1970 – 2018

Data sources

*Sources from 2005 to 2018:*

- Government of Niue, Niue Strategic Energy Road Map 2015–2025, 2015;
- International Renewable Energy Agency (IRENA), *Pacific Lighthouses, Niue*, 2013;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Statistics Niue, *Niue Statistical Abstract*, various editions;
- Statistics Niue Website, *Electricity*, accessed on 20 October 2015;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Niue.

## North Macedonia [807]

Data availability: 1992 – 2018

Data sources

*Sources from 2007 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from State Statistical Office for the data cycles from 2011/12 to 2018;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent Administrations.

## Northern Mariana Islands [580]

Data availability: 1992 – 2018

Data sources

*Sources from 2005 to 2018:*

- U.S. Energy Information Administration Website, *Northern Mariana Islands Territory Energy Profile*;
- Department of Commerce, *Economic Indicator*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Northern Mariana Islands.

## Norway [579]

Data availability: 1950 – 2019

Country specific information

Norway is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- U.S. Energy Information Administration, *Country Analysis Executive Summary: Norway*, 2019;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.



## Oman [512]

Data availability: 1964 – 2018

Data sources

*Sources from 2008 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- National Centre for Statistics and Information, *Statistical Year Book*, various editions;
- National Centre for Statistics and Information, *Data Portal*;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Central Bank of Oman, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 1998 to 2007:*

- UNSD Annual Questionnaire on Energy Statistics from The Ministry of Oil and Gas for the 2003, and from the 2005 to 2007 data cycles;
- National Centre for Statistics and Information, *Statistical Year Book*, various editions;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 1998:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Oman.

## Pakistan [586]

Data availability: 1972 – 2019

Data sources

*Sources from 2015 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from The Ministry of Oil and Gas for the data cycles from 2015 to 2018;
- Ministry of Energy, Hydrocarbon Development Institute of Pakistan, *Pakistan Energy Yearbook*, various editions;
- Pakistan Bureau of Statistics, *Monthly Bulletin of Statistics*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- National Electric Power Regulatory Authority, *Industry Report*, various editions;
- Pakistan Bureau of Statistics, *Compendium on Environmental Statistics of Pakistan*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2012 to 2014:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;

- Ministry of Energy, Hydrocarbon Development Institute of Pakistan, *Pakistan Energy Yearbook*, various editions;
- Pakistan Bureau of Statistics, *Compendium on Environmental Statistics of Pakistan*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2011:*

- UNSD Annual Questionnaire on Energy Statistics from the Ministry of Oil and Gas for the data cycles from 2007 to 2011/12;
- Ministry of Energy, Hydrocarbon Development Institute of Pakistan, *Pakistan Energy Yearbook*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Pakistan Bureau of Statistics, *Pakistan Statistical Year Book*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Pakistan.

Time Period

The data refer to the fiscal year beginning July of the year stated, until the end of June of the following year.

[Palau \[585\]](#)

Data availability: 1992 – 2018

Data sources

*Sources from 2005 to 2018:*

- Office of Planning and Statistics, *Experimental Energy and Water Accounts for the Republic of Palau*, 2017;
- Pacific Community, Pacific Regional Data Repository, *Palau, 2009 - 2013, Fuel Imports*;
- International Renewable Energy Agency (IRENA), *Pacific Lighthouses, Palau*, 2013;
- Ministry of Finance Website, *Utility Statistics, Source: Palau Public Utility Corporation*, accessed on 19 May 2020;
- Ministry of Finance, *Statistical Yearbook*, various editions;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL), *Energy Snapshot, Palau*, 2015;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Palau.

[Panama \[591\]](#)

Data availability: 1980 – 2019

Data sources

*Sources from 2007 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Secretaría Nacional de Energía for the 2006, and from the 2013 to 2018 data cycles;

- Secretaría Nacional de Energía, *Serie de Balances de Energía - 1970-2019*, 2020;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Panama.

[Papua New Guinea \[598\]](#)

Data availability: 1950 – 2018

Data sources

*Sources from 2007 to 2018:*

- Asia Pacific Energy Research Centre (APERC), *APEC Energy Statistics*, various editions;
- Asia Pacific Energy Research Centre (APERC), *APEC Energy Database*;
- Asia Pacific Energy Research Centre (APERC), *APEC Energy Overview*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- Joint Organisations Data Initiative (JODI), JODI-Oil World Database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Papua New Guinea.

[Paraguay \[600\]](#)

Data availability: 1950 – 2019

Data sources

*Sources from 2004 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Viceministerio de Minas y Energía for the data cycles from 2004 to 2018;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Paraguay.

[Peru \[604\]](#)

Data availability: 1950 – 2019

Data sources

*Sources from 2011 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the Instituto Nacional de Estadística e Informática for the data cycles from 2013 to 2018;
- Ministerio de Energía y Minas, *Balance Nacional de Energía*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2010:*

- Ministerio de Energía y Minas, *Balance Nacional de Energía*, various editions;

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Peru.

## Philippines [608]

Data availability: 1950 – 2019

Data sources

Sources from 2004 to 2019:

- Direct communication with the Department of Energy regarding energy information for 2004-2019 data;
- Department of Energy, *Energy Commodity Account, 2007 – 2019, 2020*;
- Department of Energy, *Compendium of Philippine Energy Statistics and Information*, various editions;
- Department of Energy, *Philippine Power Statistic*, accessed on 7 August 2020;
- UNSD Annual Questionnaire on Energy Statistics from the Department of Energy for the 2004, 2005 and 2007 data cycles;
- UNSD estimates based on publicly available information.

Sources prior to 2004:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Philippines.

## Poland [616]

Data availability: 1950 – 2019

Country specific information

Poland is an OECD and a European Union member country.

Data sources

Sources up to 2019:

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- International Energy Agency, *Energy Policies of IEA Countries Poland: 2016 Review, 2017*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Portugal [620]

Data availability: 1950 – 2019

Country specific information

Portugal is an OECD and a European Union member country.

Data sources

Sources up to 2019:

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Puerto Rico [630]

Data availability: 1950 – 2018

## Data sources

### Sources from 2005 to 2018:

- U.S. Energy Information Administration, *International Energy Statistics browser*;
- U.S. Energy Information Administration Website, *Puerto Rico Energy Profile*;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

### Sources prior to 2005:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Puerto Rico.

## Qatar [634]

Data availability: 1950 – 2018

## Data sources

### Sources from 2015 to 2018:

- UNSD Annual Questionnaire on Energy Statistics from the Planning & Statistics Authority the data cycles from 2015 to 2018;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Qatar General Electricity and Water Corporation “KAHRAMAA”, *Statistics Report*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Gas Exporting Countries Forum (GECF), *Annual Statistical Bulletin*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

### Sources 2014:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Qatar General Electricity and Water Corporation “KAHRAMAA”, *Statistics Report*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

### Sources 2013:

- UNSD Annual Questionnaire on Energy Statistics from the Planning & Statistics Authority for the 2013 data cycle;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Qatar General Electricity and Water Corporation “KAHRAMAA”, *Statistics Report*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

### Sources 2012:

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Qatar General Electricity and Water Corporation “KAHRAMAA”, *Statistics Report*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;

- UNSD estimates based on publicly available information.

*Sources from 2010 to 2011:*

- UNSD Annual Questionnaire on Energy Statistics from the Planning & Statistics Authority for the 2010 data cycle;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Qatar General Electricity and Water Corporation “KAHRAMAA”, *Statistics Report*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2009:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Qatar.

[Republic of Moldova \[498\]](#)

Data availability: 1992 – 2018

Data sources

*Sources from 2003 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the National Bureau of Statistics of the Republic of Moldova for the data cycles from 2008 to 2018;
- National Bureau of Statistics of the Republic of Moldova, *Energy balance of the Republic of Moldova*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2003:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Republic of Moldova Administrations.

[Romania \[642\]](#)

Data availability: 1950 – 2018

Country specific information

Romania is an OECD and a European Union member country.

Data sources

*Sources from 1990 to 2018:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- World Nuclear Association Website, *World Uranium Mining Production*, accessed on 27 November 2020;

- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 1990:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Romania.

## Russian Federation [643]

Data availability: 1992 – 2018

Country specific information

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

Kerosene-type Jet Fuel statistics are confidential, and as such were estimated by UNSD.

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

Data sources

*Sources from 2012 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Federal Service for State Statistics for the data cycles from 2016 to 2018;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;

- World Nuclear Association Website, *World Uranium Mining Production*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2011:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Russian Federation.

## Rwanda [646]

Data availability: 1962 – 2019

Data sources

*Sources from 2014 to 2019:*

- Rwanda Utilities Regulatory Authority, *Electricity Statistics Report*, various editions;
- Rwanda Utilities Regulatory Authority, *Annual Report*, various editions;
- National Bank of Rwanda Website, *External Sector Statistics*, accessed on 17 July 2020;
- Rwanda Energy Group Website, *Facts & Figures*, accessed on 17 July 2020;
- National Bank of Rwanda, *External Sector Statistics*, various editions;
- National Institute of Statistics Rwanda, *Statistical YearBook*, various editions;

- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2013:*

- Direct communication with the National Institute of Statistics of Rwanda regarding energy information for 2007-2013 data;
- UNSD Annual Questionnaire on Energy Statistics from the National Institute of Statistics Rwanda for the 2010 data cycle;
- National Bank of Rwanda, *External Sector Statistics*, various editions;
- National Institute of Statistics Rwanda, *Statistical YearBook*, various editions;
- National Institute of Statistics Rwanda, *Rwanda in Statistics and Figures*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Rwanda.

[Saint Helena \[654\]](#)

Data availability: 1950 – 2019

Data sources

*Sources from 2010 to 2019:*

- Statistics Office of the Saint Helena Government, *Statistical Yearbook*, various editions;
- Statistics Office of the Saint Helena Government, *Utilities*, various editions;

- Statistics Office of the Saint Helena Government, *Production*, various editions;
- Connect Saint Helena Ltd Website, *Electricity Generation*, accessed on 20 July 2020;
- Saint Helena Government, *St Helena Energy Strategy, 2012*;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2009:*

- UNSD Annual Questionnaire on Energy Statistics from Statistics Office for the data cycles from 2007 to 2009;
- Statistics Office, *Utilities*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2006:*

- Statistics Office, *Utilities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Saint Helena.

[Saint Kitts and Nevis \[659\]](#)

Data availability: 1981 – 2018

Data sources

*Sources from 2005 to 2018:*

- Latin American Energy Organization (OLADE), *Saint Kitts and Nevis Energy Balances 2010 – 2012*;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL); *Energy Snapshot, Saint Kitts and Nevis 2015*;
- St. Kitts Electricity Company Limited Website, System overview, accessed on 21 July 2020;



- Nevis Electricity Company Limited Website, Generation (Prospect Power Station), accessed on 21 July 2020;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Platts, *UDI International Electric Power Sourcebook*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Saint Kitts and Nevis.

### Saint Lucia [662]

Data availability: 1950 – 2019

Data sources

*Sources from 2000 to 2018:*

- Direct communication with the Central Statistical Office regarding energy information for 2000-2019 data;
- UNSD Annual Questionnaire on Energy Statistics from the Saint Lucia Administrations for the 2007 and the 2018 data cycles;
- The Central Statistical Office of Saint Lucia, *Data tables: Imports of selected commodities 1995-2017, 2018*;
- Saint Lucia Electricity Services (LUCELEC), *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2000:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Saint Lucia.

### Saint Pierre and Miquelon [666]

Data availability: 1950 – 2019

Data sources

*Sources from 2007 to 2019:*

- Les Instituts d'outre-mer (IEDOM/IEOM), *Saint Pierre and Miquelon, Rapport annuel*, various editions;
- EDL, Direction des Systèmes Energétiques Insulaires, *Bilan Prévisionnel de l'Equilibre Offre/Demande d'Electricité – Saint-Pierre-et-Miquelon*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Saint Pierre and Miquelon.

### Saint Vincent and the Grenadines [670]

Data availability: 1950 – 2018

Data sources

*Sources from 2014 to 2018:*

- Statistical Office, *Annual Trade Report*, various editions;
- Statistical Office, *Compendium of Environmental Statistics*, various editions;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL); *Energy Snapshot, St Vincent and the Grenadines 2015*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2008 to 2013:*

- UNSD Annual Questionnaire on Energy Statistics from the Statistical Office for the 2013 data cycle;
- Latin American Energy Organization (OLADE), *Saint Vincent and the Grenadines 2010 – 2012*;
- Statistical Office, *Annual Trade Report*, various editions;
- Statistical Office, *Compendium of Environmental Statistics*, various editions;
- Statistical Office, *Environmental Statistics Report, 2010*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2007:*

- VINLEC St. Vincent Electricity Services Limited Website, Publications;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Saint Vincent and the Grenadines.

[Samoa \[882\]](#)

Data availability: 1950 – 2019

Data sources

*Sources from 2000 to 2019:*

- Direct communication with the Department of Statistics of the Ministry of Finance regarding energy information for 2000-2019 data in the 2018 data cycle;
- Ministry of Finance, *Energy Review*, various editions;
- Samoa Bureau of Statistics, *Statistical Abstract*, various editions;

- Electric power corporation (EPC), *Annual Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2000:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Samoa.

[Sao Tome and Principe \[678\]](#)

Data availability: 1950 – 2018

Data sources

*Sources from 2011 to 2018:*

- World Bank, *Sao Tome and Principe Power Sector Recovery Project, 2016*
- United Nations Industrial Development Organization (UNIDO), *World Small Hydropower Development Knowledge Platform*;
- African Development Bank Statistical Data Portal, Open Data for Africa, *Sao Tome and Principe Data portal Website*;
- United Nations Development Programme (UNDP), *Project document: Promotion of environmentally sustainable and climate-resilient grid/isolated grid-based hydroelectric electricity through an integrated approach in Sao Tome and Principe, 2014*;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources 2010:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of Sao Tome and Principe for the 2010 data cycle;
- African Development Bank Statistical Data Portal, Open Data for Africa, *Sao Tome and Principe Data portal Website*;
- United Nations Development Programme (UNDP), *Project document: Promotion of environmentally sustainable and climate-resilient grid/isolated grid-based hydroelectric electricity through an integrated approach in Sao Tome and Principe*, 2014;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### Sources from 2007 to 2009:

- African Development Bank Statistical Data Portal, Open Data for Africa, *Sao Tome and Principe Data portal Website*;
- United Nations Development Programme (UNDP), *Project document: Promotion of environmentally sustainable and climate-resilient grid/isolated grid-based hydroelectric electricity through an integrated approach in Sao Tome and Principe*, 2014;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

#### Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Sao Tome and Principe.

#### Saudi Arabia [682]

Data availability: 1950 – 2019

Data sources

#### Sources from 2015 to 2019:

- UNSD Annual Questionnaire on Energy Statistics from the General Authority for Statistics for the data cycles from 2015 to 2018;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- UNSD estimates based on publicly available information.

#### Sources from 2004 to 2014:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

#### Sources prior to 2004:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Saudi Arabia.

#### Senegal [686]

Data availability: 1958 – 2019

Country specific information

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

Manatali dam and Felou hydro electricity plant are located in Mali and supply electricity to Mali, Senegal and Mauritania, according to the respective shares these three countries have in the Organization for the Development of the Senegal River (Organisation pour la

mise en valeur du fleuve Sénégal, or OMVS). Following the energy statistics definition, electricity obtained by Senegal from these plants are counted as imports, and not as Senegalese hydro electricity production.

#### Data sources

##### Sources from 2005 to 2019:

- UNSD Annual Questionnaire on Energy Statistics from the Agence Nationale de la Statistique et de la Démographie (ANSD) for the data cycles from 2005 to 2009, and for the 2012, the 2017 and the 2018 data cycles;
- Senelec, *Rapport Annuel*, various editions;
- Senelec Website, *Production*,
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Minister of Petroleum and Energy, *Energy Balances*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

##### Sources 2004:

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- UNSD estimates based on publicly available information.

##### Sources prior to 2003:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Senegal.

#### Serbia [688]

Data availability: 2005 – 2018

#### Data sources

##### Sources from 2005 to 2018:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- ;
- Energy Agency of the Republic of Serbia, *Annual Report*, various editions;
- Platts, *UDI International Electric Power Sourcebook*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

#### Seychelles [690]

Data availability: 1950 – 2018

#### Data sources

##### Sources from 2014 to 2018:

- National Bureau of Statistics, *Seychelles in Figures*, various editions;
- Public Utilities Corporation, *Annual Report*, various editions;
- Seychelles Energy Commission Website, *Electricity Generation*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

##### Sources from 2009 to 2013:

- UNSD Annual Questionnaire on Energy Statistics from the Seychelles Energy Commission for the 2014 data cycle;
- National Bureau of Statistics, *Seychelles in Figures*, various editions;
- Public Utilities Corporation Website, *Electricity Statistics*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;

- UNSD estimates based on publicly available information.

*Sources from 2006 to 2008:*

- National Bureau of Statistics, *Seychelles in Figures*, various editions;
- Public Utilities Corporation Website, *Electricity Statistics*;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Seychelles.

## Sierra Leone [694]

Data availability: 1950 – 2019

Data sources

*Sources from 2015 to 2019:*

- Bank of Sierra Leone, *Real sector statistics. Petroleum Imports*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources 2014:*

- UNSD Annual Questionnaire on Energy Statistics from the Statistics Sierra Leone for the 2014 data cycle;
- Bank of Sierra Leone, *Real sector statistics. Petroleum Imports*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2013:*

- Bank of Sierra Leone, *Real sector statistics. Petroleum Imports*, various editions;
- Statistics Sierra Leone, *Foreign trade statistics bulletin*, various editions;
- Bank of Sierra Leone, *Annual Report and Statement of Accounts*, various editions;
- African Development Bank Statistical Data Portal, Open Data for Africa, Sierra Leone Data portal Website;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Sierra Leone.

## Singapore [702]

Data availability: 1957 – 2018

Data sources

*Sources 2018:*

- Energy Market Authority, *Singapore Energy Statistics*, 2020;
- International Energy Agency (IEA), *World Energy Statistics*, 2020;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;

- UNSD estimates based on publicly available information.

Sources from 2006 to 2017:

- UNSD Annual Questionnaire on Energy Statistics from the Energy Market Authority for the data cycles from 2006 to 2017;
- Energy Market Authority, *Singapore Energy Statistics*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Department of Statistics, *Yearbook of Statistics Singapore*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources from 2004 to 2005:

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Department of Statistics, *Yearbook of Statistics Singapore*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources prior to 2004:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Singapore.

### Sint Maarten (Dutch part) [534]

Data availability: 2012 – 2019

Data sources

Sources from 2012 to 2019:

- Department of Statistics Sint Maarten, *Statistical Yearbook*, various editions;
- Department of Statistics Sint Maarten, *Annual Economic Indicators*, various editions;
- Ministries of VROMI and TEZVT, *National Energy Policy for Country Sint Maarten*, various editions;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL); *Energy Snapshot, Saint-Martin/Sint Maarten 2015*;
- UNSD estimates based on publicly available information.

### Slovakia [703]

Data availability: 1992 – 2019

Country specific information

Slovakia is an OECD and a European Union member country.

Data sources

Sources up to 2019:

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

### Slovenia [705]

Data availability: 1992 – 2019

Country specific information

Slovenia is an OECD and a European Union member country.

Data sources

Sources up to 2019:

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;

- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Solomon Islands [090]

Data availability: 1950 – 2019

Data sources

*Sources from 2005 to 2019:*

- Central Bank of Solomon Islands, *Quarterly Review*, various editions;
- Solomon Power, *Annual Report*, various editions;
- Pacific Community, Pacific Regional Data Repository, *2010-2015: Solomon Islands Fuel Imports measured in Volume (Itr) and Value (SBD)*, 2017;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Platts, *UDI International Electric Power Sourcebook*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Solomon Islands.

## Somalia [706]

Data availability: 1950 – 2018

Data sources

*Sources from 2007 to 2018:*

- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Somalia.

## South Africa [710]

Data availability: 1950 – 2018

Data sources

*Sources 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Department of Government Communication and Information System, *South Africa Yearbook 2018/19*, 2019;
- UNSD estimates based on publicly available information

*Sources from 2012 to 2017:*

- UNSD Annual Questionnaire on Energy Statistics from the Department of Energy for the 2016 data cycle;
- Direct communication with the Department of Energy regarding energy information for 2016-2017 data;
- Department of Energy, *Commodity Flows and Energy Balances*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;

- Southern African Power Pool, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2010 to 2011:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Department of Energy, *Commodity Flows and Energy Balances*, various editions;
- Southern African Power Pool, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2002 to 2009:*

- UNSD Annual Questionnaire on Energy Statistics from the Department of Energy for the 2008 and the 2009 data cycles;
- Department of Energy, *Commodity Flows and Energy Balances*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Southern African Power Pool, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;

- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2002:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of South Africa.

## South Sudan [728]

Data availability: 2012 – 2018

Data sources

*Sources from 2012 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Southern Sudan Centre for Census, Statistics and Evaluation, *Statistical Yearbook for Southern Sudan 2010*;
- UNSD estimates based on publicly available information.

## Spain [724]

Data availability: 1950 – 2019

Country specific information

Spain is an OECD and a European Union member country.

Data sources

*Sources up to 2019:*



- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

### Sri Lanka [144]

Data availability: 1950 – 2018

Data sources

*Sources from 2011 to 2018:*

- Sri Lanka Sustainable Energy Authority, *Energy Balance*, various editions;
- Ceylon Electricity Board, *Sales and generation data book 2018*;
- Ministry of Power and Renewable Energy, *Performance & Programme*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2006 to 2010:*

- UNSD Annual Questionnaire on Energy Statistics from the Department of Census and Statistics for the 2008 and the 2009 data cycles;
- Sri Lanka Sustainable Energy Authority, *Energy Balance*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;

- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Sri Lanka.

### State of Palestine [275]

Data availability: 1990 – 2018

Data sources

*Sources 1997 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Palestinian Central Bureau of Statistics for the data cycles from 2004 to 2018;
- Palestinian Central Bureau of Statistics, *Energy Tables and Energy Balance*, various editions;
- Palestinian Central Bureau of Statistics, *Energy and Energy balance Tables*, various editions;
- UNSD estimates based on publicly available information.

*Sources 1990 to 1996:*

- Palestinian Central Bureau of Statistic, *Energy Consumption in the Palestinian Territory: Annual report 1996*;
- UNSD estimates based on publicly available information.

### Sudan [729]

Data availability: 2012 – 2018

Data sources

*Sources from 2012 to 2018:*

- Direct communication with the Ministry of Oil and Gas regarding energy information for 2012-2018 data;
- Arab Union of Electricity, *Statistical Bulletin*, various editions;

- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

## Suriname [740]

Data availability: 1950 – 2018

### Data sources

#### Sources from 2011 to 2018:

- UNSD Annual Questionnaire on Energy Statistics from the General Bureau of Statistics for the 2014, the 2015 and the 2017 data cycles;
- General Bureau of Statistics, *9<sup>th</sup> Environment Statistics Publication*, 2020;
- Staatsolie, *Annual Report*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

#### Sources 2010:

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

#### Sources from 2007 to 2009:

- UNSD Annual Questionnaire on Energy Statistics from the General Bureau of Statistics for the 2007 and the 2009 data cycles;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

#### Sources from 2005 to 2006:

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

#### Sources prior to 2005:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Suriname.

## Sweden [752]

Data availability: 1950 – 2019

## Country specific information

Sweden is an OECD and a European Union member country.

## Data sources

### Sources up to 2019:

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Switzerland [757]

Data availability: 1950 – 2019

## Country specific information

Switzerland is an OECD member country.

## Data sources

### Sources up to 2019:

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Syrian Arab Republic [760]

Data availability: 1950 – 2018

## Data sources

### Sources from 2008 to 2018:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;

- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

### Sources from 2006 to 2007:

- UNSD Annual Questionnaire on Energy Statistics from the administration of the Syrian Arab Republic for the 2006 and the 2007 data cycles;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

### Sources 2005:

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

### Sources prior to 2005:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Syrian Arab Republic.

## Tajikistan [762]

Data availability: 1992 – 2018

## Country specific information

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

Refinery throughputs for 2018 show small refinery gains, the data are under verification and should be treated with caution.

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

New information on quantities of fuelwood consumed for energy purposes in Tajikistan are available for 2016 year as a result of a survey conducted by the Agency on Statistics. The official historical time series is currently unavailable and was estimated by UNSD.

#### Data sources

##### Sources from 2005 to 2018:

- Direct communication with the Agency on Statistics under President of the Republic of Tajikistan regarding energy information for 1992-2018 data;
- UNSD Annual Questionnaire on Energy Statistics from the Agency on Statistics under President of the Republic of Tajikistan for the 2005, the 2006, the 2012 and the 2016 data cycles;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- ;
- UNSD estimates based on publicly available information.

##### Sources prior to 2005:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Tajikistan.

#### Thailand [764]

Data availability: 1950 – 2018

#### Data sources

##### Sources from 2011 to 2018:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Ministry of Energy, *Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Electricity Generating Authority of Thailand, *Statistical Data*, various editions;
- UNSD estimates based on publicly available information.

##### Sources from 2004 to 2010:

- UNSD Annual Questionnaire on Energy Statistics from the Ministry of Energy from the 2004 to the 2006 data cycle, and for 2008 and the 2010 data cycles;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

##### Sources prior to 2004:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Thailand.

#### Timor-Leste [626]

Data availability: 2002 – 2019

#### Data sources

##### Sources from 2009 to 2019:

- United Nations Conference on Trade and development, *The Statistical Tables on the Least Developed Countries 2017*;
- General Directorate of Statistics, *Timor-Leste in Figures*, various editions;
- General Directorate of Statistics, *Annual Report External Trade*, various editions;
- La'o Hamutuk, *Budget Overview* various editions;

- Aqua-Media International Ltd, *Hydropower & Dams International Journal*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Platts, *UDI International Electric Power Sourcebook*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources from 2006 to 2008:

- UNSD Annual Questionnaire on Energy Statistics from the administration of Timor-Leste for the 2008 data cycle;
- UNSD estimates based on publicly available information.

Sources prior to 2006:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Timor-Leste.

## Togo [768]

Data availability: 1950 – 2018

Data sources

Sources from 2007 to 2018:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Autorité de Réglementation du Secteur de l'Électricité (ARSE), *Rapport d'activités*, various editions;
- Autorité de Réglementation du Secteur de l'Électricité (ARSE), *Annual Report*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;

- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Togo.

## Tonga [776]

Data availability: 1950 – 2018

Data sources

Sources from 2007 to 2018:

- Tonga Statistics Department, *International Merchandise Trade*, various editions;
- Tonga Power Limited, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Tonga.

## Trinidad and Tobago [780]

Data availability: 1950 – 2018

Data sources

Sources from 2004 to 2018:

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Trinidad and Tobago.

## Tunisia [788]

Data availability: 1950 – 2018

Data sources

*Sources 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Arab Union of Electricity, *Statistical Bulletin*, various editions;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2000 to 2017:*

- UNSD Annual Questionnaire on Energy Statistics from the Ministère de l'Industrie et des Petites et Moyennes Entreprises (former Ministère de l'Energie, des Mines et des Energies Renouvelables) for the data cycles from 2011 to 2015, and for 2017;

- UNSD Annual Questionnaire on Energy Statistics from the National Institute of Statistics for the 2005, the 2007 and the 2008 data cycles;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Arab Union of Electricity, *Statistical Bulletin*, various editions;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2000:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Tunisia.

## Turkey [792]

Data availability: 1950 – 2019

Country specific information

Turkey is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## Turkmenistan [795]

Data availability: 1992 – 2018

## Data sources

### Sources from 2006 to 2018:

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

### Sources prior to 2006:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Turkmenistan.

## Turks and Caicos Islands [796]

Data availability: 1970 – 2019

## Data sources

### Sources from 2008 to 2019:

- Turks and Caicos Islands Statistics department Website, *Electricity Consumption*, accessed on 3 June 2020;
- U.S. Department of Energy, National Renewable Energy Laboratory (NREL), *Energy Snapshot, Turks and Caicos, 2015*;
- Turks and Caicos Islands Power Company – FortisTCL Website, *About FortisTCL – Power Company*, accessed on 3 June 2020;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

### Sources prior to 2008:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Turks and Caicos Islands.

## Tuvalu [798]

Data availability: 1990 – 2019

## Data sources

### Sources from 2006 to 2019:

- Pacific Community, Pacific Regional Data Repository, *Tuvalu National Energy Situational Analysis, 2019*;
- Pacific Community, Pacific Regional Data Repository, *Tuvalu Electricity Corporation electricity statistics 2014-2017, 2018*;
- Pacific Community, Pacific Regional Data Repository, *Tuvalu Electricity Corporation electricity statistics 2012-2014, 2018*;
- Pacific Community, Pacific Regional Data Repository, *Tuvalu, 2006 - 2014, Petroleum Product Imports, 2015*;
- International Renewable Energy Agency (IRENA), *Pacific Lighthouses, Tuvalu, 2013*;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

### Sources prior to 2006:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Tuvalu.

## Uganda [800]

Data availability: 1950 – 2019

## Data sources

*Sources from 2010 to 2019:*

- Uganda Bureau of Statistics, *Statistical Abstract*, various editions;
- Ministry of Energy and Mineral Development, *Annual Report*, various editions;
- Umeme Limited, *Annual Report & Financial Statements*, various editions;
- Electricity Regulatory Authority, *Energy Generated*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, 2017;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2004 to 2009:*

- UNSD Annual Questionnaire on Energy Statistics from the Uganda Bureau of Statistics for the data cycles from 2004 to 2009;
- Ministry of Energy and Mineral Development, *Annual Report*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Uganda.

[Ukraine \[804\]](#)

Data availability: 1992 – 2018

Country specific information

For confidentiality reasons, data on the following products (mainly on production) may not be available or may be included with other products: anthracite

(included with other bituminous coal), sub-bituminous coal (included with other bituminous coal), lignite (included with peat), patent fuel (included with peat briquettes), aviation gasoline, kerosene-type jet fuel, other kerosene, petroleum coke, paraffin waxes and white spirit (the latter three included with other oil products), gasworks gas (included with other recovered gases).

Data sources

*Sources from 2005 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the State Statistics Service of Ukraine from the 2007 to the 2011/12 data cycle and from the 2014 to the 2018 data cycle;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Ukraine.

[United Arab Emirates \[784\]](#)

Data availability: 1950 – 2018

Data sources

*Sources from 2007 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the Federal Competitiveness and Statistics Authority from the 2011/12 to the 2014 data cycles, and for the 2016 data cycle;



- Direct communication with the Department of Statistics of the Federal Competitiveness and Statistics Authority regarding energy information for 2017-2018 data in the 2018 data cycle;
- Department of Statistics of the Federal Competitiveness and Statistics Authority Website, *Statistics By Subject: Agriculture Environment and Energy*, accessed on 14 September 2020;
- Ministry of Energy & Industry, *Annual Statistical Report, 2018*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2006:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the United Arab Emirates

## United Kingdom [826]

Data availability: 1950 – 2019

Country specific information

The United Kingdom is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- Department for Business, Energy and Industrial Strategy's, *Digest of United Kingdom Energy Statistics 2018*, 2018;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

## United Republic of Tanzania [834]

Data availability: 1970 – 2018

Data sources

*Sources from 2008 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Tanzania National Bureau of Statistics, *Tanzania in Figures*, various editions;
- Tanzania Electric Supply Company Limited (TANESCO) Website, *Generation*, accessed on 30 November 2020;
- Southern African Power Pool, *Annual Report*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources 2007:*

- UNSD Annual Questionnaire on Energy Statistics from the administration of the United Republic of Tanzania for the 2008 data cycle;

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the United Republic of Tanzania.

## United States [840]

Data availability: 1950 – 2019

Country specific information

The United States is an OECD member country.

Data sources

*Sources up to 2019:*

- International Energy Agency (IEA)/Eurostat Joint Annual Energy Questionnaires;
- U.S. Energy Information Administration, *Data. Refining and processing*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

## United States Virgin Islands [850]

Data availability: 1950 – 2018

Data sources

*Sources from 2006 to 2018:*

- Virgin Islands Water and Power Authority, *Financial Statement*, various editions;
- U.S. Energy Information Administration Website, *United States Virgin Islands Energy Profile*, accessed on 16 September 2020;

- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the United States Virgin Islands.

## Uruguay [858]

Data availability: 1950 – 2019

Data sources

*Sources from 1995 to 2019:*

- UNSD Annual Questionnaire on Energy Statistics from the the National Energy Directorate of the Ministry of Industry, Energy and Mining for the 2006, the 2007, the 2010, the 2011/12, the 2014, the 2017 and the 2018 data cycles;
- Ministerio de Industria, Energía y Minería, *Balance Energético*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 1995:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Uruguay

## Uzbekistan [860]

Data availability: 1992 – 2019

## Country specific information

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

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

## Data sources

### Sources from 2013 to 2019:

- UNSD Annual Questionnaire on Energy Statistics from the State Committee of the Republic of Uzbekistan on Statistics for the 2017 and the 2018 data cycles;
- State Committee of the Republic of Uzbekistan on Statistics, *Statistical Review of the Republic of Uzbekistan*, various editions;
- State Committee of the Republic of Uzbekistan on Statistics, *Пилотный топливно-энергетический баланс Республики Узбекистан за 2018, 2020*
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

### Sources from 2009 to 2012:

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;

- UNSD estimates based on publicly available information.

### Sources 2008:

- UNSD Annual Questionnaire on Energy Statistics from the State Committee of the Republic of Uzbekistan on Statistics for the 2008 data cycle;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, 2008;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- UNSD estimates based on publicly available information.

### Sources from 2005 to 2007:

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- International Atomic Energy Agency (IAEA) and Nuclear Energy Agency (NEA), *Uranium: Resources, Production and Demand*, various editions;
- UNSD estimates based on publicly available information.

### Sources prior to 2005:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Uzbekistan.

## Vanuatu [548]

Data availability: 1950 – 2019

## Data sources

### Sources from 2006 to 2019:

- The Vanuatu National Statistics Office, *the Quarterly Statistical Indicators (QSI)*, various editions;
- Utilities Regulatory Authority (URA), *Electricity Fact Sheet*, various editions;
- Pacific Community, Pacific Regional Data Repository, *Vanuatu Monthly Energy Market report - 2018*, 2019;
- Pacific Community, Pacific Regional Data Repository, *Vanuatu Monthly Energy Market report - 2017*, 2018;
- International Renewable Energy Agency (IRENA), *Pacific Lighthouses, Vanuatu*, 2013;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2006:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Vanuatu.

Venezuela (Bolivarian Republic of) [826]

Data availability: 1950 – 2018

Data sources

*Sources from 2017 to 2018:*

- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2012 to 2016:*

- UNSD Annual Questionnaire on Energy Statistics from the Instituto Nacional de Estadística for the 2016 data cycle;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Ministry of the Popular Power of Petroleum, *Petroleum and Other Data Statistics*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2007 to 2011:*

- Ministry of the Popular Power of Petroleum, *Petroleum and Other Data Statistics*, various editions;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Energy Balances*;
- Latin American Energy Organization (OLADE), Energy Information System of Latin America and the Caribbean, *Infrastructure*;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of the Petroleum Exporting Countries (OPEC), *Annual Statistical Bulletin*, various edition;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;

- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Bolivar. Rep of Venezuela.

## Viet Nam [704]

Data availability: 1950 – 2018

Data sources

*Sources from 2007 to 2018:*

- UNSD Annual Questionnaire on Energy Statistics from the General Statistics Office of Viet Nam for the data cycles from 2007 to 2017;
- General Statistics Office of Viet Nam, *Statistical Yearbook of Vietnam*, various editions;
- General Statistics Office of Viet Nam, *Statistical Data*;
- Vietnam Electricity, *Annual Report*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Vietnam Oil and Gas Group (PetroVietnam), *Annual Report*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of Viet Nam.

## Wallis and Futuna Islands [876]

Data availability: 2001 – 2019

Data sources

*Sources from 2007 to 2019:*

- Institut d’Emission d’Outre-mer, *Wallis-et-Futuna. Rapport annuel*, various edition;
- Institut d’Emission d’Outre-mer, *L’Économie Verte A Wallis-Et-Futuna*, various edition;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with the administration of the Wallis and Futuna Islands.

## Yemen [887]

Data availability: 1991 – 2018

Data sources

*Sources from 2004 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2004:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available

information and direct communication with the administration of Yemen.

## Zambia [894]

Data availability: 1964 – 2018

Data sources

*Sources from 2014 to 2018:*

- Energy Regulation Board, *Energy Sector Report*, various editions;
- Energy Regulation Board, *Energy Statistical Bulletin*, various editions;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2000 to 2013:*

- Direct communication with the administration of Zambia regarding energy information for 2000-2013 data;
- Energy Regulation Board, *Energy Sector Report*, various editions;
- Energy Regulation Board, *Energy Statistical Bulletin*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Energy Statistics*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2000:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available

information and direct communication with the administration of Zambia.

## Zimbabwe [716]

Data availability: 1964 – 2018

Data sources

*Sources from 2017 to 2018:*

- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- Zimbabwe Power Company, *Annual Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2011 to 2016:*

- UNSD Annual Questionnaire on Energy Statistics from the Zimbabwe National Statistics Agency (ZIMSTAT) for the 2011/12, the 2013 and the 2015 data cycles;
- International Energy Agency (IEA), *World Energy Statistics*, various editions;
- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Zimbabwe Power Company, *Annual Report*, various editions;
- UNSD estimates based on publicly available information.

*Sources from 2005 to 2010:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Southern African Power Pool, *Annual Report*, various editions;
- Platts, *UDI International Electric Power Sourcebook*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available

information and direct communication with the administration of Zimbabwe.

## Country-specific metadata (discontinued countries or areas)

### Data availability, countries specific information, data sources and time period

#### Czechoslovakia (former) [200]

Data availability: 1950 – 1991

##### Data sources

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

#### Democratic Yemen (former) [720]

Data availability: 1950 – 1990

##### Data sources

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

#### Ethiopia (up to 1993) [230]

Data availability: 1950 – 1993

##### Data sources

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

#### French Guiana [254]

Data availability: 1950 – 2016

##### Data sources

Sources from 2007 to 2016:

- Les Instituts d'outre-mer (IEDOM/IEOM), *Guyane, Rapport annuel*, various editions;

- Electricité de France (EDF), Direction des Systèmes Energétiques Insulaires, *Système électrique de Guyane*, various editions;
- Electricité de France (EDF), Direction des Systèmes Energétiques Insulaires, *Bilan prévisionnel de l'équilibre offre-demande d'électricité. Guyane*, various editions;
- Electricité de France (EDF) Website, *Sites de production et réseau*;
- Ministère de l'Ecologie, du Développement durable et de l'Energie, *Bilan énergétique de la France*, various editions;
- Directions régionales de l'Industrie, de la Recherche et de l'Environnement (DRIRE), *Consommation carburants Guyane*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

#### French Guiana (up to 2010) [255]

Data availability: 1950 – 2010

##### Data sources

See French Guiana [254].

#### German, Democratic Republic (former) [278]

Data availability: 1950 – 1990

##### Data sources



- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

### Germany, Federal Republic of (former) [280]

Data availability: 1950 – 1990

Data sources

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

### Guadeloupe [312]

Data availability: 1950 – 2016

Data sources

Sources from 2007 to 2016:

- Observatoire Régional de l'Énergie et du Climat (OREC), *Les chiffres clés de l'énergie en Guadeloupe*, various editions;
- Electricité de France (EDF), Direction des Systèmes Energétiques Insulaires, *Bilan prévisionnel de l'équilibre offre-demande d'électricité de la Guadeloupe*, various editions;
- Ministère de l'Écologie, du Développement durable et de l'Énergie, *Bilan énergétique de la France*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

Sources prior to 2007:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

### Guadeloupe (up to 2010) [313]

Data availability: 1950 – 2010

Data sources

See Guadeloupe [312].

### Martinique [474]

Data availability: 1950 – 2016

Data sources

Sources from 2006 to 2016:

- Agence Martiniquaise de l'Énergie, *Bilan énergétique Martinique*, various editions;
- Direction de l'Environnement de la Martinique, *Chiffres Clés de l'Environnement*, various editions;
- Electricité de France (EDF), Direction des Systèmes Energétiques Insulaires, *Bilan prévisionnel de l'équilibre offre-demande d'électricité – Martinique*, various editions;
- Directions régionales de l'Industrie, de la Recherche et de l'Environnement (DRIRE), *Consommation carburants Martinique*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- UNSD estimates based on publicly available information.

Sources prior to 2006:

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

### Martinique (up to 2010) [475]

Data availability: 1950 – 2010

Data sources

See Martinique [474].

## Mayotte [175]

Data availability: 1990 – 2016

Data sources

*Sources from 2007 to 2016:*

- Les Instituts d'outre-mer (IEDOM/IEOM), *Mayotte, Rapport annuel*, various editions;
- Ministère de l'Ecologie, du Développement durable et de l'Energie, *Bilan énergétique de la France*, various editions;
- Espace Info Énergie (EIE), *Consommation carburants. Mayotte*, various editions;
- Espace Info Énergie (EIE), *Bilan énergétique. Mayotte*, various editions;
- Institut national de la statistique et des études économiques (INSEE), *Tableau Bord. Mayotte*, various editions;
- International Renewable Energy Agency (IRENA), *Renewable Capacity Statistics*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

## Mayotte (up to 2010) [176]

Data availability: 1990 – 2010

See Mayotte [175].

## Netherlands Antilles and Aruba [532]

Data availability: 1950 – 1985

Data sources

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available

information and direct communication with pertinent administration.

## Netherlands Antilles (former) [530]

Data availability: 1986 – 2011

Data sources

*Sources from 2005 to 2011:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- Platts, *UDI International Electric Power Sourcebook*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

## Pacific Islands (Trust Territory) [582]

Data availability: 1950 – 1991

Data sources

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

## Reunion [638]

Data availability: 1950 – 2016

Data sources

*Sources from 2007 to 2016:*

- SPL Energies Réunion (former Agence Régional Energie Réunion), *Bilan énergétique île de La Réunion*, various editions;
- Les Instituts d'outre-mer (IEDOM/IEOM), *La Réunion, Rapport annuel*, various editions;
- Electricité de France (EDF), Direction des Systèmes Energétiques Insulaires, *Bilan prévisionnel de l'équilibre offre-demande d'électricité de la Réunion*, various editions;
- Ministère de l'Ecologie, du Développement durable et de l'Energie, French Territory Energy Database;
- Institut national de la statistique et des études économiques (INSEE), *Tableau Bord. Reunion*, various editions;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;
- UNSD estimates based on publicly available information.

*Sources prior to 2007:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

[Reunion \(up to 2010\) \[639\]](#)

Data availability: 1950 – 2010

Data sources

See Reunion [638].

[Sudan \(up to 2011\) \[736\]](#)

Data availability: 1950 – 2011

Data sources

*Sources from 2005 to 2011:*

- International Energy Agency (IEA), *Energy Statistics of Non-OECD Countries*, various editions;
- U.S. Energy Information Administration, *International Energy Statistics browser*;
- Food and Agriculture Organization of the United Nations (FAO), FAOSTAT database;

- Organization of Arab Petroleum Exporting Countries (OAPEC), *Annual Statistical Report*, various editions;
- Oil and Gas Journal, *Worldwide Refineries – Capacities*, various editions;
- International Sugar Organization, *Sugar Year Book*, various editions;
- UNSD estimates based on publicly available information.

*Sources prior to 2005:*

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

[Serbia and Montenegro \[891\]](#)

Data availability: 1992 – 2004

Data sources

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

[Union of Soviet Socialist Republics \(former\) \[810\]](#)

Data availability: 1950 – 1991

Data sources

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.

[Yemen Arab Republic \(former\) \[886\]](#)

Data availability: 1950 – 1990

Data sources

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information.

information and direct communication with pertinent administration.

Yugoslavia (former Socialist Federal Republic)  
[890]

Data availability: 1950 – 1993

Data sources

- UNSD Annual Questionnaire on Energy Statistics; UNSD estimates based on publicly available information and direct communication with pertinent administration.