



## World Energy Consumption

### Consumption of energy by different countries

#### Data on Energy by *Our World in Data*

This dataset is a collection of key metrics maintained by [Our World in Data](#). It is updated regularly and includes data on energy consumption (primary energy, per capita, and growth rates), energy mix, electricity mix, and other relevant metrics.

#### Data sources

- Energy consumption (primary energy, energy mix and energy intensity): this data is sourced from a combination of two sources—the [BP Statistical Review of World Energy](#) and [SHIFT Data Portal](#).
- Electricity consumption (electricity consumption, and electricity mix): this data is sourced from a combination of two sources—the [BP Statistical Review of World Energy](#) and [EMBER – Global Electricity Dashboard](#).
- Other variables: this data is collected from a variety of sources (United Nations, World Bank, Gapminder, Maddison Project Database, etc.). More information is available in [our codebook](#).

#### The complete *Our World in Data* Energy dataset

Our complete Energy dataset is available in [CSV](#) format.

The CSV file follows a format of 1 row per location and year.

The variables represent all of our main data related to energy consumption, energy mix, electricity mix as well as other variables of potential interest.

#### Changelog

- On March 31, 2021, we updated the 2020 electricity mix data.
- On September 9, 2020, the first version of this dataset was made available.

## Data alterations

- standardize names of countries and regions. Since the names of countries and regions are different in different data sources, standardize all names to the [Our World in Data standard entity names](#).
- recalculate primary energy in terawatt-hours. The primary data sources on energy—the BP Statistical Review of World Energy, for example—typically report consumption in terms of exajoules. recalculated these figures as terawatt-hours using a conversion factor of 277.8.
- calculate per capita figures. All of our per capita figures are calculated from our metric Population, which is included in the complete dataset. These population figures are sourced from [Gapminder](#) and the [UN World Population Prospects \(UNWPP\)](#).

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## Authors

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The mission of *Our World in Data* is to make data and research on the world's largest problems understandable and accessible. [Read more about our mission](#).

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