

Capital electricity consumption

List of countries by electricity consumption. By 2025, Asia is projected to account for half of the world's electricity consumption, with one-third of global electricity to be consumed in China. [1] This list of countries by electric energy consumption is mostly based on the Energy Information Administration. [2]

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This interactive chart shows per capita energy consumption. We see vast differences across the world. The largest energy consumers include Iceland, Norway, Canada, the United States, and wealthy nations in the Middle East such as Oman, Saudi Arabia, and Qatar.

Primary energy consumption per capita. Measured in kilowatt-hours per person. U.S. Energy Information Administration (2023); Energy Institute - Statistical Review of World Energy (2024); Population based on various sources (2023) - with major processing by Our World in Data.

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Iceland is by far the largest per capita consumer of electricity worldwide, averaging 53.9 megawatt-hours per person in 2023. This results from a combination of factors, such as low-cost electricity production, increased heating demand, and the presence of energy-intensive industries in the country. Norway, Qatar, and Canada were also some of the world's largest electricity consumers per capita that year.

Power-intensive industries, the purchasing power of the average citizen, household size, and general power efficiency standards all contribute to the amount of electricity that is consumed per person every year. However, in terms of total electricity consumption, a country's size and population can also play an important role. In 2022, the three most populous countries in the world, namely China, the United States, and India, were also the three largest electricity consumers.

In 2022, net electricity consumption worldwide amounted to over 25,500 terawatt-hours, an increase of more than 30 percent in comparison to a decade earlier. When compared to 1980, global electricity consumption more than tripled. On the generation side, the world is still strongly dependent on fossil fuels. Despite the world's renewable energy capacity quintupling in the last decade, coal and gas combined still accounted for almost 60 percent of global electricity generation in 2022.

The Energy Institute Statistical Review of World Energy analyses data on world energy markets from the prior

year.

Our World in Data builds and maintains a long-run dataset on population by country, region, and for the world, based on various sources.

You can find more information on these sources and how our time series is constructed on this page: <https://ourworldindata /population-sources>

All data and visualizations on Our World in Data rely on data sourced from one or several original data providers. Preparing this original data involves several processing steps. Depending on the data, this can include standardizing country names and world region definitions, converting units, calculating derived indicators such as per capita measures, as well as adding or adapting metadata such as the name or the description given to an indicator.

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