

Current electricity generation from wind and solar power



Overview

A recent analysis shows that April 2026 marked the first time globally that electricity generation from solar and wind exceeded that from gas. The two renewable sources accounted for 22% of global electricity generation, while gas-fired power plants supplied 20%, or 531 TWh compared. In 2025, the share of renewables in Germany's net public electricity generation amounted to 55.9 percent, as in the previous year. Ember (2026); Energy Institute - Statistical Review of World Energy (2025) – with major processing by Our World in Data Measured in kilowatt-hours per person. Primary energy is based on the substitution. London, 21 May – Wind and solar generated more electricity than gas globally for the first month ever in April 2026, according to data analysed by global energy think tank Ember. Gas-fired power plants supplied 477 TWh.



Article Content

Solar and wind power generation, 2025

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find

Wind and solar generated a record 17% of U.S. electricity in 2025

Over the past 20 years, electricity from wind power and utility-scale solar power has increased to 17% of generation in the United States compared to less than 1% in 2005.

National Grid: Live

At the same time, renewable power generation was steadily rising. Great Britain's exposed position in the north-east Atlantic makes it one of the best locations in

German Public Electricity Generation in 2025: Wind and

Wind power took first place as the strongest net electricity producer, followed by photovoltaics, which increased its production by 21 percent in 2025

Electricity in the U.S.

Other major electricity generation technologies include gas turbines, hydro (water) turbines, wind turbines, and solar photovoltaics. We publish data on electricity generation from utility-scale and

Wind and solar overtook fossil fuels for EU power generation in 2025 ...

Wind and solar overtook fossil fuels in the European Union's power generation last year, a report has found, in a "major tipping point" for clean energy.

Massive global growth of renewables to 2030 is set to

Already, wind and solar PV are the cheapest options to add new electricity generation in almost every country. As a result of these trends, nearly

For the first time, wind and solar generated more electricity than gas ...

London, 21 May – Wind and solar generated more electricity than gas globally for the first month ever in April 2026, according to data analysed by global energy think tank Ember. Together, wind and solar

Advantages and Challenges of Wind Energy

Advantages and Challenges of Wind Energy . Wind is a renewable source of energy. Wind turbines harness energy from the wind using mechanical power to

Renewable Energy vs Sustainable Energy

Sustainable energy sources can maintain current operations without jeopardizing the energy needs or climate of future generations. The most popular

Electric power

Active devices (power sources): if conventional electric current (positive charge) is forced to flow through the device in the direction from the lower electric potential

Solar and wind generated more electricity globally than gas power for ...

A recent analysis shows that April 2026 marked the first time globally that electricity generation from solar and wind exceeded that from gas. The two renewable sources accounted for

Wind and solar overtake fossil fuels in EU power supply

Wind and solar power produced more electricity than fossil fuels in the EU for the first time last year, data published on Thursday showed, indicating the bloc's continued shift towards...

Electricity statistics

This includes the country's 2 largest farms, Tararua Wind Farm and West Wind Makara, which are located in the lower North Island. Electricity generation from the combustion of coal, oil,

In 2025, solar and wind produced more electricity than fossil fuels in ...

Just a decade ago, almost three times as much electricity in the European Union was coming from fossil fuels as from solar and wind. But last year, for the first time, solar and wind

Wind and solar beat fossil fuels in EU power mix in

Wind and solar power for the first time generated more electricity in the European Union than fossil fuels in 2025, driven by a surge in solar output,

Electricity generation, capacity, and sales in the United States

The U.S. Energy Information Administration (EIA) publishes data on two general types of electricity generation and electricity generation-capacity: Utility scale includes electricity generation

Renewables 2024 - Analysis

In addition to its detailed market analysis and forecasts, the report also examines key developments for the sector, including policy trends driving deployment,

Wind and solar generated more power than fossil fuels in the EU for

Wind and solar generated more EU electricity than fossil fuels in 2025, according to the European Electricity Review published today by think tank Ember. Wind and solar generated a

In a first, wind and solar generated more power than gas ...

Wind and solar generated more electricity than gas globally for the first time ever in April 2026, according to new Ember data.

European electricity prices and costs

This data tool compares European electricity prices, carbon prices and the cost of generating electricity using fossil fuels and renewables. Where possible, data is provided by country.

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