



Annual power generation of wind power base



Overview

4 terawatt-hours were generated by wind power, or 10.48% of electricity in the United States. Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) – Learn more about this data Measured in terawatt-hours. Ember (2026);

- Annual growth rate falls from 13,0% to 11,5%
- China installs 87 Gigawatt, 72% of new global capacity
- Brazil becomes second largest market and joins top 5 wind power nations

The full report can be downloaded here as PDF file Bonn (WWEA) – In 2024, new wind turbine installations fell far short. Select or search for an area or point using the query tools on the map to download large-scale data. Create query for large-scale data download. The Wind Resource Database (WRDB) is a collection of modeled wind resource estimates for the United States and various countries around the globe of. Wind turbines use blades to collect the wind's kinetic energy. The blades are connected to a drive shaft that turns an electric generator, which produces (generates) electricity.



Article Content

Electricity generation from wind

Total annual U.S. electricity generation from wind energy increased from about 6 billion kilowatthours (kWh) in 2000 to about 434 billion kWh in 2022. In 2022, wind turbines were the source ...

Wind Power by Country 2026

Also includes information on each country's actual yearly production of wind-generated electricity, as well as the amount of electricity generated in ...

Annual Report 2024 CWEA

By the end of 2024, CWEA had arranged for 28 domestic wind power companies, research institutes, and universities to attend IEA Wind TCP Tasks including the ended or in progress:

Land-Based Wind Market Report | Department of Energy

The annual Land-Based Wind Market Report provides an overview of trends in the U.S. power industry, primarily focusing on land-based, utility-scale wind turbines ...

WWEA Annual Report 2024: A Challenging Year for ...

The world's installed wind power capacity now meets well over 10% of global electricity demand - and much more than nuclear power. More than 30 ...

GLOBAL WIND ENERGY COUNCIL

Electricity markets in regions such as Europe face the prospect of increasing negative power prices over the coming years if policy, regulatory and technological measures are not taken to safeguard wind ...

Wind power in the United States

OverviewHistoryEconomicsNational trendsWind power by stateCommercialization of wind powerOffshore wind powerWind energy meteorology

Wind power is a branch of the energy industry that has expanded quickly in the United States over the last several years. In 2024, 451.9 terawatt-hours were generated by wind power, or 10.49% of electricity in the United States. The average wind turbine generates enough electricity in 46 minutes to power the average American home for one month. In 2019, wind power surpassed hydroelectric power as the largest renewable energy source in the U.S

Renewable energy statistics 2025

The previous editions and complete electricity generation and capacity dataset from 2000 onwards are available for download on the Data and Statistics web pages.

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