

Annual electricity generation from wind power



Overview

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 of about 10. utility-scale electricity generation. Wind flows over the blades creating lift (similar to the effect on airplane wings), which causes the blades to turn. Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - Learn more about this data Measured in terawatt-hours. High wind speeds. • 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 as of 23 April 2025 can be downloaded here as PDF file Bonn (WWEA) - In 2024, new wind turbine. This data shows the relative US electricity generation by fuel type over the last 6 years.

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[MSCE in Energy Infrastructure](#)

Wind energy production is about 12% of the US total and slowly increasing as of 2024. The percentages are based on the MWh of total generation. Total US annual generation by all fuel types was about ...



Wind Energy Factsheet

High wind speeds yield more energy because wind power is proportional to the cube of wind speed.⁴ Average annual wind speeds of 6.5m/s or greater at the height of 80m are generally considered ...



Global Statistics

These countries demonstrate that the world as a whole can achieve a 40-50% share of wind power in total electricity generation, as outlined by the WWEA in a long-term scenario.

[Share of electricity production from wind, 2025](#)

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this ...



[Wind Energy , Department of Energy](#)

Wind Energy Wind power or wind energy is a form of renewable energy that harnesses the power of the wind to generate electricity. It involves using wind turbines to convert the turning ...



[13 Compelling Wind Energy Statistics & Facts](#)

But how effective is wind power, how much are we using it, and which countries lead the way? How does wind energy compare to other energy sources, and what are its pros and cons? ...



[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 generation, 2025](#)

Annual electricity generation from wind is measured in terawatt-hours (TWh) per year. This includes both onshore and offshore wind sources.



[Wind Power Facts and Information , ACP , ACP](#)

Utility-scale wind energy is the largest source of renewable electricity generation in the United States, providing 10% of the country's electricity and is continuously growing.

Wind Energy Factsheet

Wind supplies 57% of Denmark's electricity generation and over 20% in ten other countries. 7 Global wind additions reached a record 117 GW in 2023. 7 In 2024, onshore installations surpassed 100 GW ...



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