

National Energy Wind Power Generation



Overview

Wind power is a branch of the energy industry that has expanded quickly in the United States over the last several years. 9 terawatt-hours were generated by wind power, or 10. [2] . Wind turbines use blades to collect the wind's kinetic energy. Wind flows over the blades creating lift (similar to the effect on airplane wings), which causes the blades to turn. [2] The average wind turbine generates enough electricity in 46. Wind accounts for more than one-third of the current electricity mix in six states: Iowa, Kansas, Oklahoma, New Mexico, South Dakota, and North Dakota. Climate Central's report, A Decade of Growth in Solar and Wind Power, analyzed U.

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Wind Energy Accomplishments and Year-End Performance ...

As the largest source of clean, renewable power generation in the United States and one of the fastest growing sources of new electricity supply, wind energy will play a large role in the nation's energy future.

A Decade of U.S. Wind Growth

Climate Central's report, A Decade of Growth in Solar and Wind Power, analyzed U.S. solar and wind energy data from 2014 to 2023 for all 50 states and the District of Columbia. ...



Electricity generation from wind

Advances in wind-energy technology have decreased the cost of wind electricity generation. Government requirements and financial incentives for renewable energy in the United ...



Key US wind power trends and metrics to track , Reuters

As of 2023, wind power accounted for 12% of U.S. electricity generation capacity, compared with 11% for solar, 8% for nuclear, 7% for hydro, 16% for coal and 43% for natural gas, ...



Wind Energy , Department of Energy

Wind power is the nation's largest source of renewable energy, with more than 150 gigawatts of wind energy installed across 42 U.S. States and Puerto Rico. These projects generate ...

Wind power in the United States

As of December 2023, the total installed wind power nameplate generating capacity in the United States was 147,500 megawatts (MW), up from 141,300 megawatts (MW) in January 2023, although total ...



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 by State , February 2026 , Choose Energy

Wind energy generation increased by 2.03% nationally from November 2024 to November 2025. The following table shows the top 10 states that experienced an increase in wind production ...



U.S. Wind Turbine Database

The United States Wind Turbine Database (USWTDB) provides the locations of land-based and offshore wind turbines in the United States, corresponding wind project information, and turbine technical ...

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