

Which month has the highest wind power generation capacity



Overview

Electricity generation from wind established a new record in the United States in April, and wind generation exceeded coal-fired generation in both March and April, data from our July 2024 Monthly Energy Review show. Wind plant performance—how much electricity a wind plant generates compared with its maximum possible generation—depends almost entirely on the availability of wind resources, which vary depending on both the time of year and the geographic region. The performance of a power plant is often. 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 energy generation declined slightly due to weather conditions. This includes both onshore and offshore wind sources. Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - Learn more about this data Measured in terawatt-hours. 2 GWh while wind generation blew away its previous high mark, churning out 47. EIA included this lovely chart which demonstrates the steady growth of wind generation and the slow decline of our reliance on coal: Installed wind power. Since 2020, wind energy generation in the U. has increased 34%, according to the Energy Information Administration (EIA). While Texas is known for its oil derricks and natural gas pumps, wind turbines have become a major part of the state's landscape.

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[U.S. Wind Generation Hit Record in April, Beat Coal!](#)

Installed wind power generating capacity has increased substantially in the United States over the last 25 years, growing from 2.4 gigawatts (GW) in 2000 to 150.1 GW in April 2024.

[Wind generation seasonal patterns vary across the U.S., says EIA](#)

Capacity factors for most regions of the country rise or are flat January through April, fall through August or September, and increase through the remainder of the year. In California, ...



[Wind Energy by State , February 2026 , Choose Energy](#)

According to the most recent monthly wind production data from the EIA, Texas produced 27.1% of the nation's wind energy, more than double the amount from Iowa, the next highest ...



[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.



[Sometimes it blows in April: Wind surpasses coal-fired generation](#)

New data fresh off the desks of the fine folks at the U.S. Energy Information Administration indicates the United States set a new wind generation record in April. The latest ...



[EIA Reports Regional Seasonal Patterns for U.S. Wind Generation](#)

Nationally, between January 2016 and August 2022, wind plant capacity factors peaked in March and April and were at their lowest in July and August.



[Wind power in the United States](#)

In March and April of 2024, electricity generation from wind exceeded generation from coal, once the dominant source of U.S. electricity, for an extended period for the first time.



[Monthly Wind and Solar Capacity Data , Ember](#)

This dataset contains monthly capacity data for wind and solar, including both total installed capacity as well as month-on-month and year-to-date additions. It covers 25 countries and/or regions, which ...



[US wind generation falls into regional patterns by season](#)

Nationally, between January 2016 and August 2022, wind plant capacity factors peaked in March and April and were at their lowest in July and August. Data source: U.S. Energy Information ...

[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



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