



# Annual wind power generation exceeds

Wind could provide 20% of U.S. electricity by 2030 and 35% by 2050. 11 Five of the eight Great Lakes states have offshore wind energy potentials that exceed their annual electricity demand (MI, WI, NY, ...

Fossil generation fell in China and India, but grew in the EU and the US. As the world's energy needs increase and electricity makes up a growing share of final energy consumption, ...

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 ...

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 countries now have a share of wind ...

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 ...

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.

Annual global onshore wind installations surpassed 100 GW for the first time in 2023, while the U.S. experienced a slowdown. 10.8 GW of offshore wind capacity was added worldwide, a 24% increase ...

Explore the tabs above to see interactive maps and charts of annual growth, cumulative installations, and share of generation by state and region. For more information on land-based wind energy from ...

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

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.



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