

Current status of wind and solar power generation



Overview

In 2025, wind power generated 464,000 GWh of electricity, 3% more than in 2024. Electricity generation from utility-scale solar has increased every year since 2006.

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Wind and solar year in review 2024

Global operating capacity increased by 14% in 2024, as at least 240 gigawatts (GW) of utility-scale solar and wind came online. Despite their 45%

Global Statistics

In 2025, wind turbines generated enough power to cover more than 11% of worldwide demand, surpassing nuclear energy and closing in on other fossil sources. This milestone reflects not



The State of Clean Energy, in 10 Charts

Clean energy continues to dominate new power capacity. For example, in 2024, more than 90% of all new electricity capacity worldwide came from renewable sources such as solar, wind, hydro and

[Wind and solar generated a record 17% of U.S. electricity in 2025](#)

Combining utility-scale and small-scale solar generation in 2025 increases the share of wind and solar to 19% of total net generation. Wind and solar are considered intermittent electricity



[A Decade of Growth for U.S. Solar and Wind , Climate](#)

Check your daily solar and wind generation forecast. Climate Central's WeatherPower tool provides a multi-day forecast of solar and wind

FERC: Solar + wind made up 91% of new US power

Solar and wind accounted for 91% of new US electrical generating capacity added in the H1 2025, according to data just released by the Federal



2026 Renewable Energy Industry Outlook , Deloitte

2025 has been a challenging year for renewables. The new tax law, commonly referred to as the One Big Beautiful Bill Act, rolled back many clean energy tax

[Wind and solar now produce more U.S. electricity than coal. What](#)

About a year ago, the United States passed a tipping point: for the first time ever, wind and solar power generated more electricity in America than coal, according to the International Energy



GSR 2025 , Global Overview

The United States, European Union, India and others have launched large-scale initiatives to localise manufacturing of solar PV, batteries, wind turbines and

Renewable electricity - Renewables 2025 - Analysis

For solar PV, wind and bioenergy for power, deployment has been revised downwards. Solar PV accounts for over 70% of the absolute reduction, mainly



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