

# Current status of wind and solar power generation



## Overview

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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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