

The current annual power generation of wind and photovoltaic



Overview

In 2024, wind and solar reached a record 17% (757 TWh) of US electricity, overtaking coal for the first time, which dropped to a historic low of 15% (653 TWh). Just six years ago, in 2018, coal was three times larger than the combined total of wind and solar. As a result of new solar projects coming on line this year, we forecast that U. solar power generation will grow 75% from 163 billion kilowatthours (kWh) in 2023 to 286 billion kWh in 2025. The International Renewable Energy Agency (IRENA) produces comprehensive, reliable datasets on renewable energy capacity and use worldwide. Renewable energy statistics 2025 provides datasets on power-generation. Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - with major processing by Our World in Data This dataset contains yearly electricity generation, capacity, emissions, imports and demand data for European countries.

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A Decade of Growth for U.S. Solar and Wind , Climate Central

In 2024 solar power grew 27% and wind power grew 8% compared to 2023 levels. California and Texas led in solar power. Together, these two states generated 41% of all U.S. solar ...

Solar and wind power generation, 2025

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this ...



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 from utility-scale projects, while offshore ...

Quarterly Solar Industry Update , Department of Energy

Each quarter, NREL conducts a presentation of technical trends within the solar industry.



US Electricity 2025 - Special Report

Wind and solar combined produced a record 17% of US electricity in 2024, overtaking coal at 15% for the first time. The year-on-year increase in electricity demand - the fifth largest year ...

Renewable energy statistics 2025

Data on renewable power capacity represents the maximum net generating capacity of power plants and other installations that use renewable energy sources to produce electricity.



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% share of global gross domestic product ...



America's Electricity Generation Capacity, 2025 Update

The American Public Power Association's annual report on current and imminent electricity generation capacity in the United States breaks down the nearly 1.3 terawatts of utility-scale capacity by fuel, ...



Global Statistics

With 1'173'581 Megawatt of installed capacity, the world has reached a new record in total installations although it has fallen short of expectations and forecasts for 2024. It is expected ...

Solar and wind to lead growth of U.S. power generation for the next

...

Renewable sources--wind, solar, hydro, biomass, and geothermal--accounted for

22% of generation, or 874 billion kWh, last year. Annual renewable power generation surpassed nuclear ...

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