



Analysis of wind and solar power generation sector

Major developments across Asia, Europe, and North America, combined with increasing investment in offshore wind, especially in Europe, will enhance the industry. As per WWEA 2024 assessment, the ...

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 ...

Worldwide solar and wind power generation has outpaced electricity demand this year, and for the first time on record, renewable energies combined generated more power than coal,...

We expect that wind power generation will grow 11% from 430 billion kWh in 2023 to 476 billion kWh in 2025. In 2023, the U.S. electric power sector produced 4,017 billion kilowatthours ...

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 credits and imposed new restrictions, ...

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 (GDP), G7 ...

In addition to electricity generation data, the report uses weather and capacity data to uncover the underlying trends shaping the global power sector. We make all of the data freely ...

This analysis confirms what we are witnessing on the ground: solar and wind are no longer marginal technologies--they are driving the global power system forward.

Overview EEI maintains comprehensive statistical data on the electric power industry and investor-owned electric companies. Below are quick statistical highlights providing an overview of the industry.

Using scenario discovery, we assess the most important factors globally and regionally in creating high fractions of solar and wind energy and explore interconnected effects on other systems ...



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