

# Wind and photovoltaic power generation exceeds coal-fired power generation

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Renewable energies including wind and solar have surpassed coal as the world's primary source of electricity.

China aims to see its total installed wind and photovoltaic power capacity surpass 1.2 billion kilowatts by 2030 as it accelerates the shift toward a cleaner energy system. The country will

Measured in terawatt-hours. Electricity generation from solar and wind compared to coal, 1990 to 2025  
Measured in terawatt-hours.

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, according...

China's wind and photovoltaic power generation reached 482.8 billion kWh during the period, up 26.8 percent year on year. By the end of April, China's installed capacity of wind power

Since 2008, coal-powered electrical generating capacity has declined 28%, while coal powered electrical generation has declined 61% (EIA). The reduction in coal power is largely due to

As CleanTechnica reported, wind energy installations produced 45.9 gigawatt-hours (GWh) in March and a record high 47.7 GWh in April, compared

According to a report by climate think tank Ember, wind and solar power together outpaced coal generation in the first half of 2025, driven largely

While solar power jumped significantly, electricity from wind barely increased. Wind farms produced just 1.5% more in 2024 than the year before. Still, wind was a bigger source of power than

Together, wind and solar PV are projected to surpass fossil-fired power generation in 2025, assuming normal

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weather conditions in the second half of the year. As

For the first time in nearly a year, U.S. wind generation has eclipsed coal-fired generation, setting a new record in the month of April.

In the near term, European coal-fired power generation may go higher since industrial activity goes on to recover, but if the power firms follow on the planned

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