

# The proportion of wind power in power generation in the first quarter

How much wind power does the world need?

The world's installed wind power capacity now meets around 10% of global electricity demand - another important milestone. More than ten countries now have a wind power share of more than 20%, led by Denmark, which generates an astonishing 56% of its electricity from wind.

How has wind power impacted China's electricity production?

That widespread rise in wind output has helped push wind power's share of China's total electricity generation steadily higher, to an average of 11.4% during the first quarter of 2024 from 9.6% during all of 2023, according to Ember.

How much wind & solar power will be installed in 2022?

In June 2022, the United States had 137.6 GW of wind capacity, and 10% (14.3 GW) of that capacity was installed between June 2021 and June 2022. Based on planned additions reported to us by power plant owners and developers, another 7.0 GW of wind and 13.0 GW of solar capacity will come online by the end of the year.

How many GW of wind power are there in 2023?

GEM's Global Wind Power Tracker has documented a 51 GW wind capacity increase since 2023 -- this growth itself exceeds the total operating capacity of any country, except the United States. The combined capacity at pre-construction and announced stages for utility-scale solar power reaches 387 GW and 336 GW for wind.

How much wind power does the United States have?

In another major milestone, the United States passed 150 Gigawatts of total wind capacity, but the market was much weaker than in the previous year, adding only 6.4 Gigawatts - much less than in 2022 and in 2021, when 13.7 GW were added, more than double the capacity of 2023.

How big is China's solar & wind power capacity?

Wind and solar now account for 37% of the total power capacity in the country, an 8% increase from 2022, and widely expected to surpass coal capacity, which is 39% of the total right now, in 2024. Cumulative annual utility-scale solar & wind power capacity in China, in gigawatts (GW)

Electricity generation from wind power per person. Measured in kilowatt-hours per person. Ember (2024); Energy Institute - Statistical Review of World Energy (2024); Population based on various sources (2023) - with ...

With nearly 3,000 terawatt-hours of electricity produced, wind and solar accounted for a combined 10.5% of

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global 2021 generation, BNEF found in its annual Power Transition Trends report. Wind's contribution to the ...

Renewable power generation in the first half of 2023, with a share of 57.7 percent of the net electricity generation for public power supply, was significantly higher than in 2022. ...

For the first time, more than a quarter of EU electricity (27%) was provided by wind and solar in 2023, up from 23% in 2022. This drove renewable electricity to a record high of 44%, passing the 40% mark for the first year in ...

3 ???&#0183; For the first nine months of 2024, wind and solar together produced 14.5% more electricity than coal and came close to catching up with nuclear power's share of electricity ...

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The world is on course to add more renewable capacity in the next five years than has been installed since the first commercial renewable energy power plant was built more than 100 years ago. ... renewables surpass coal to become the ...

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