

How much wind power generation is produced per year

How much wind power will the world produce in 2025?

By the end of 2025, global cumulative wind capacity is projected to exceed 1'320 GW, sufficient to generate around 12% of the world's electricity. Country Highlights

How much wind power does the world have?

According to preliminary statistics published today by the World Wind Energy Association, global wind power capacity has now reached 1'173'581 Megawatt- well below the estimates published by WWEA in autumn 2024.

How much wind power does the United States have?

Wind power capacity totals 151 GW, making it the fourth-largest source of electricity generation capacity in the country. This is enough wind power to serve the equivalent of 46 million American homes." Wind in the US is currently the largest source of renewable electricity generation, providing 9.8% of the country's electricity.

How many GW of wind a year?

Over the twelve months from July 2024 to June 2025, the sector added 148 GW, compared with 125 GW during the preceding twelve-month period. u2028 By the end of June 2025, total installed wind power capacity reached 1'245 GW (1,25 terawatts), representing a 13,5% annual growth rate.

Year-on-year percentage change in wind electricity production comparison between November 2024 and November 2023 - Chart and data by the International Energy Agency.

Wind power generation, 2025 Annual electricity generation from wind is measured in terawatt-hours (TWh) per year. This includes both onshore and offshore wind sources.

Wind Resources and Potential Approximately 2% of solar energy striking Earth's surface is converted into kinetic energy in wind. 1 Wind turbines convert this kinetic energy to electricity without ...

Newsletter The International Renewable Energy Agency (IRENA) produces comprehensive, reliable datasets on renewable energy capacity and use worldwide. Renewable energy statistics 2025 ...

The world's wind power sector recorded strong growth in the first half of 2025, with global installations rising by 64% compared to the same period of 2024. u2028 A total of 72,2 gigawatts ...

In the US less wind power capacity has been added each year compared to the years preceding the signing of the influential 2022 Inflation Reduction Act and the EU has also experienced ...

China, the global leader in wind energy generation, produced 466. 5 MWh in 2022, accounting for over 40 percent of the world's wind energy. The United States followed closely behind, ...

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Share of wind power in electricity generation and consumption The world's installed wind power capacity now meets well over 10% of global electricity demand - and much more than nuclear ...

Find up-to-date statistics and facts on the global wind power market.

This translates to a rather impressive increase of 157 terawatt-hours from the year 2009, typifying the growth in offshore wind power generation and its uptake within ten years.

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