

Wind power generation increased significantly



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[Solar and wind power has grown faster than electricity demand this](#)

Global solar generation grew by a record 31% in the first half of the year, while wind generation grew by 7.7%, according to the report by the energy think tank Ember, which was released after midnight

Wind Turbines: the Bigger, the Better

Since the early 2000s, wind turbines have grown in size-in both height and blade lengths-and generate more energy. What's driving this growth? Let's take a closer look.



Wind power's rise: why it's taking the world by storm

Wind power will play an increasingly vital role in the global transition to a sustainable energy future, a crucial step in mitigating climate change and creating a healthier planet for generations to come. The

Wind Energy Factsheet

Wind speeds increase with height above the Earth's surface. Average hub height is 103m for U.S. onshore wind turbines, 7 and 124m for global offshore turbines. 8



Wind Energy Accomplishments and Year-End Performance



Electricity generation from wind

Wind electricity generation has grown significantly in the past 30 years. Advances in wind-energy technology have decreased the cost of wind electricity generation.



[The power of wind: The global wind energy industry's successes and](#)

Wind technology is playing a leading role in shifting to sustainable energy to align with the 2015 Paris Agreement (IEA, 2021). As we document, wind energy is one of the fastest growing, most



Global Statistics

In 2025, wind turbines generated enough power to cover more than 11% of worldwide demand, surpassing nuclear energy and closing in on other fossil sources. This milestone reflects not



[Report: Solar, wind power grew faster than electricity demand this](#)

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,



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