

# Wind power generation will double



## Overview

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Wind power faces supply chain issues, rising costs and permitting delays - but global capacity is still expected to nearly double to over 2 000 GW by 2030 as major economies like China and the European Union address these challenges.

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### [Solar and wind to lead growth of U.S. power generation](#)

As a result of new solar projects coming on line this year, we forecast that U.S. solar power generation will grow 75% from 163 billion

### [Executive summary - Renewables 2025 - Analysis](#)

Wind power faces supply chain issues, rising costs and permitting delays - but global capacity is still expected to nearly double to over 2 000 GW by 2030 as



### **Windy: Wind map & weather forecast**

Awesome weather forecast at WOW it appears that you are offline :- (

### [Map: Projected Growth of the Wind Industry From Now](#)

Only states with total capacity over 0.1 GW are included per year. Find out more about the data by reading the Wind Vision Report. You can download the data



### **Windy: Wind map & weather forecast**



## **Windy: Wind map & weather forecast**

Windy provides real-time wind maps and accurate weather forecasts with user-friendly layers and precise spot forecasts.

Worldwide animated weather map with layers, precise forecasts, METAR, TAF, NOTAMs for airports, SYNOP codes from stations and buoys, and forecast models.



## **Windy: Wind map & weather forecast**

Weather radar, wind and waves forecast for kites, surfers, paragliders, pilots, sailors and anyone else. Worldwide animated weather map, with easy to use layers and precise spot forecast.

## [U.S. Wind Power 2025: Capacity, IRA, Renewable](#)

Looking ahead, the U.S. Department of Energy projects that wind energy capacity will continue to grow, with expectations of adding between 7.3 GW and 9.9 GW



## [WWEA Half-year Report 2025: Global Wind Power Growth](#)

Global Wind Power Growth Accelerates in the First Half of 2025. The report can here be downloaded in pdf format.

## [Global wind capacity to double by 2030.](#)

## [national](#)

Wind could provide almost as much generation as solar by 2030. Credit: fokke baarsen via Shutterstock. National targets add up to more than



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