

Wind power generation prospects in the first quarter

What are the Key Trends & data points for wind power?

Below are some of the key trends and data points that can help track the ongoing development of this critical power source. Current installed wind generation capacity in the U.S. is roughly 152 gigawatts (GW), according to the U.S. Energy Information Administration (EIA). That capacity is up 46% from 2019, and is 135% more than 10 years ago.

Which country has the fastest growth in wind power?

The U.S. growth pace is also far slower than the 19% a year expansion posted by China, the world's top wind producer. Still, the U.S. ranks second in terms of overall wind capacity behind China's roughly 441 GW, and ahead of Germany (69 GW), India (45 GW) and Spain (31 GW) on the top 5 list.

Which company has the largest wind power market in 2023?

Siemens Gamesa (1.8 GW) respectively. Considering the overall 2018-2023 period, Siemens Gamesa leads with a market share of 26%, MYSE (13%) holds the second position followed by Vestas (10%). 2023 has also witnessed the further advancement of higher capacity turbines, with Mainland China (ML China) installing 16 MW turbines at two wind farms - Zhangpu Liuaao

How many MW of new land-based wind capacity online in Q1 2024?

The two projects, both located in wind-rich Texas, brought a total of 449 MW of new land-based wind capacity online in Q1 2024 (Figure 1). 1. NextEra Energy Resources completed the Canyon Wind Energy Center located in Scurry County, Texas, during the 1st quarter 2024.

How did the wind industry perform in the first quarter?

First-quarter installations decreased by 68% year-over-year in the U.S. It was the slowest first quarter the wind industry had experienced since 2018. Additionally, land-based wind installations decreased 90% compared to the previous quarter.

How has wind capacity changed over the past 10 years?

That capacity is up 46% from 2019, and is 135% more than 10 years ago. For the past decade, U.S. annual wind capacity growth has averaged 9%, which is slightly more than Europe over the same period, but slower than the global average of 13% a year, according to Ember.

In the first quarter, GE Vernova experienced zero fatalities and demonstrated an Injury and Illness (I&I) rate of 0.37 [2], a 5.1% improvement versus the prior year period. Invested \$0.2 billion in capital expenditures ...

By the first quarter of 2024, China's total utility-scale solar and wind capacity reached 758 GW, though data from China Electricity Council put the total capacity, including distributed solar, at 1,120 GW. Wind and solar

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Strong wind and solar growth was the main contributor to the fall in fossil power in the first half of the year. Solar generation grew by 20% (+23 TWh) and wind generation rose ...

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That was up by nearly 60% from 6.4 billion yuan in the first quarter, but it was down about 9% from the year-ago quarter. ... more faith in the company's long-term prospects. ...

In order to better understand development status of wind power generation in various countries in the world and provide a reference for future research, first introduced the current development ...

ACP reported the land-based wind pipeline in the U.S. totaled about 25.3 GW at the end of Q1 2024, up more than 5 GW from the same time last year. Onshore wind under construction increased by...

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