Announcement of wind power generation indicators

U.S. electricity generation from wind turbines decreased for the first time since the mid-1990s in 2023 despite the addition of 6.2 gigawatts (GW) of new wind capacity last year.

Below are 10 critical KPIs for wind operations leaders, designed to highlight what to track, why it matters, and how best to visualize it for decision-making in the moment.

Share of electricity production from wind, 2025 Measured as a percentage of total electricity produced in the country or region.

The world"s leading wind energy scientists and engineers identified five research areas as critical to advancing wind energy deployment: wind atmospheric science, wind turbine systems, wind plants ...

These countries demonstrate that the world as a whole can achieve a 40-50% share of wind power in total electricity generation, as outlined by the WWEA in a long-term scenario.

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The results demonstrated that the proposed evaluation indicator system works in the quantitative evaluation and fair comparison of wind farm design, operation, and maintenance and traces the ...

Texas continues to have the most wind power, accounting for over a quarter of national capacity, while Iowa has the highest share of in-state generation from wind, at 63%. For the number and size of new ...

As of 2023, wind power accounted for 12% of U.S. electricity generation capacity, compared with 11% for solar, 8% for nuclear, 7% for hydro, 16% for coal and 43% for natural gas, ...

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