



Wind zone and power generation hours

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Short-term Resource Forecast (STRF) System-wide wind and solar forecast data for +4 hours and including actual wind and solar resource totals from previous intervals.

The repository contains wind speeds and generation based on three different meteorological models: ERA5, MERRA2, and HRRR. Data are publicly accessible in simple csv files.

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

This data can be used to develop more robust estimates of offshore wind resources, power production, and design loads, informing and improving the technical and economic viability of wind energy plants.

The PLUSWIND repository provides a unified set of hourly wind speed and generation estimates based on information from three meteorological models; from multiple sources of data about operational ...

This chart helps to illustrate how integrating electricity from the growing number of wind turbines is a challenge for Idaho Power. This is a current look at Idaho Power's actual system load over the past ...

Looking for archive data?

Given the intermittent electricity generation by wind turbines, this term describes the maximum generation of a complete wind project in terms of MW producing power 24/7.

Hourly wind report with forecasts as published by ERCOT. This report is published each hour and includes System-wide and geographic regional hourly averaged wind power production, forecasts, ...

Wind supplies 57% of Denmark's electricity generation and over 20% in ten other countries. 7 Global wind additions reached a record 117 GW in 2023. 7 In 2024, onshore installations surpassed 100 GW ...

