Hourly electricity consumption of wind power generation

Hourly wind power profiles were generated at 213 operational and planned sites with Openwind, UL"s plant design and optimization software used for energy production estimates.

This dataset contains yearly electricity generation, capacity, emissions, imports and demand data for European countries. You can find more about Ember"s methodology in this document.

Looking for archive data?

The IEA real-time electricity map displays electricity demand, generation, spot prices, trade as well as CO 2 emissions from more than 50 sources. Data is available historically, as well as ...

Scituate, Massachusetts: hourly, daily, weekly, monthly, yearly production and consumption of a 1.5-MW turbine since March 30, 2012 (100% daily generation would be 36,000 kWh)

Energy Information Administration - EIA - Official Energy Statistics from the U.S. Government

This work presents a global collection of temporal data with hourly resolution for electricity load and power generation from wind and solar. The global collection covers about 60 countries and multi ...

The repository (called PLUSWIND) is publicly available and contains hourly wind speed and generation estimates covering 2018 - 2021 for existing wind plants located within the contiguous ...

Electricity generation from an average wind turbine is determined by multiplying the average nameplate capacity of a wind turbine in the United States (3.4 MW) by the average U.S. ...

On average, a commercial wind turbine might make anywhere from 4,000 kWh to 15,000 kWh per day. This means its hourly electricity output could be from a few hundred kWh to several ...

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