

# Regional wind power generation hours



## Overview

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The visualization tool interactively displays wind generation over different time intervals in three-dimensional space. The viewer can look across the state to . Wind energy projects totaling at least 5,787 megawatts (MW) of capacity are operating in California today, 1 providing enough electricity to power about 2. 3 million California households. 2% of all power . Wind power plant owners carefully plan where to position wind turbines and consider how fast and how often the wind blows at the site. 0 meters per second (m/s)-for small wind turbines and . Observations of wind speeds at relevant heights for wind power generation (80 to 120 meters above the ground) are rare, though a limited number of tall towers and remote sensing measurements provide insight in certain locations. The comprehensive (and colorful) collection of wind . This report is posted every hour and includes System-wide and regional actual hourly averaged wind power production (GEN), STWPF, WGRPP and COP HSLs for On-Line WGRs for a rolling historical 48-hour period as well as the System-wide and regional STWPF, WGRPP and COP HSLs for On-Line WGRs for the .

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### Wind Generation Areas Time Interval Exploration Tool

The visualization tool interactively displays wind generation over different time intervals in three-dimensional space. The viewer can look across the state to understand generation patterns of

### Today's Outlook , Demand , California ISO

View current and historical data for demand, net-demand, supply, renewables, CO2 emissions and wholesale energy prices.



### Fast Facts about California Wind Energy

Wind energy projects totaling at least 5,787 megawatts (MW) of capacity are operating in California today, 1 providing enough electricity to power about 2.3 million California households. 2

### Maps and Data , Department of Energy

Find maps and charts showing wind energy data and trends.



### Where wind power is harnessed

Monthly and annual U.S. national and state electricity generation data are available in the



Electricity Data Browser, and hourly generation data by energy source for the Lower 48 states by

## U.S. wind power generation by state 2024, Statista

Texas is by far the state with the highest wind energy production in the United States. In 2024, Texas generated roughly 124.94 terawatt-hours of wind power.



## Power Profiler , US EPA

Electricity is produced by many different sources of energy, including, but not limited to, wind, solar, nuclear, and fossil fuels. The type and amount of emissions produced depend on how

## U.S. Wind Turbine Database

The United States Wind Turbine Database (USWTDB) provides the locations of land-based and offshore wind turbines in the United States, corresponding wind project information, and turbine technical



## Wind Power Production

System-wide actual hourly averaged wind power potential (HSL) for a rolling historical 48-hour period is also included. Our forecasts attempt to predict HSL, which is uncurtailed power

[PLUSWIND: A new hourly wind speed and](#)

### [generation database for US wind](#)

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



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