

# What are the wind power generation areas



## Overview

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The initiative and early development of wind power in California came during Governor 's first two terms in the late 1970s and early 1980s. The state's capacity has grown by nearly 350% since 2001, when it was less than 1,700 MW. According to the California Wind Energy Association (CalWEA), as of 2020, California had approximately 5,787 MW of wind energy capacity installed across the state. In 2.

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### Wind power in California

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### Mapped: U.S. Wind Electricity Generation by State

This map uses data from the EIA to show how much wind electricity different U.S. states generate, and breaks down wind's share of total electricity generation in top wind power producing



### Map of Wind Energy Zones In California

Discover wind power leasing activity in your area and find new regions of opportunity. Map of 358 wind energy zones filtered by decade, disposition, and type in California.

### Where wind power is harnessed

Wind electricity generation in the United States with a list of the top 5 wind energy producing states.





## 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 Energy by State , April 2026 , Choose Energy

Wind energy generation varies by state. Discover the states with the most wind energy in Choose Energy's April 2026 Wind Generation Report.



## Wind Resource Areas (2023)

Wind Resource Areas represent regions in California with many operational commercial wind electric generation plants. These regions are intended to be used for general reference purposes.

## Wind power in California

Most of California's wind generation is found in the Tehachapi area of Kern County, with some large projects in Solano, Contra Costa and Riverside counties as well.



## Maps and Data

This type of map displays the estimated wind power density, which is the average annual power available per square meter of the area swept by a turbine's blades.

## Wind Energy in California

The majority of wind turbines are in six regions: Altamont, East San Diego County, Pacheco, Solano, San Geronio, and Tehachapi. The cost of producing wind energy has decreased nearly fourfold



## 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

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