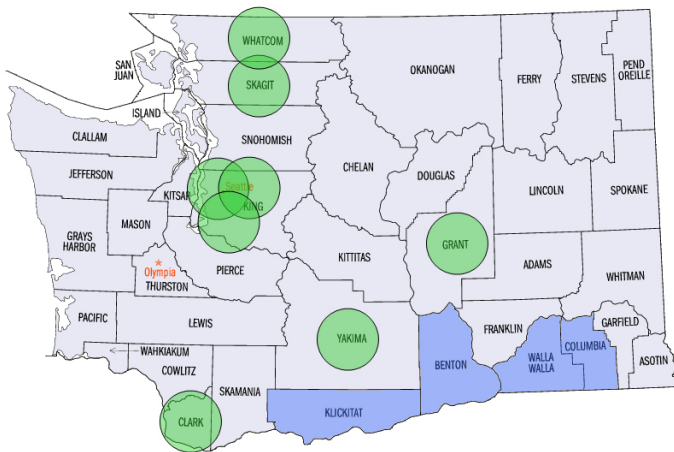


# WIND ENERGY FACTS: WASHINGTON

Washington was an early leader in the wind industry and ranks fifth in the nation for installed capacity



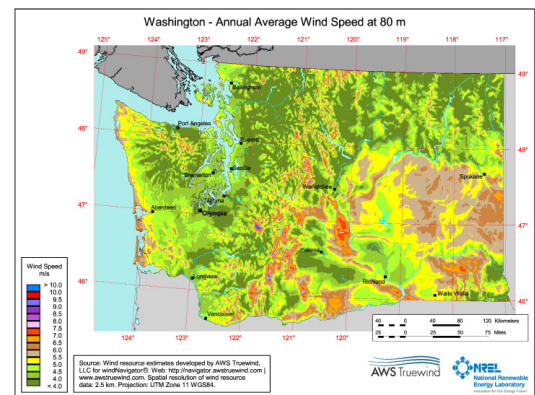
Washington brought its first utility-scale project online in 2001, and has continued developing resources along the Columbia Gorge, especially in recent years. Developing the wind resource in Washington has created economic development for the state.

Blue counties have installed wind capacity  
Green dots are online wind manufacturing facilities.

## WIND PROJECTS

Online at the end of 2010: 2,104 Megawatts (MW)  
Added in 2010: 196 MW  
Under construction: 595 MW  
Wind projects in queue: 5,831 MW

Washington currently ranks fifth in total overall wind power installation.



## GENERATION AND POTENTIAL

Percentage of Washington power provided by wind in 2009: 3.28%  
Washington ranked ninth in the U.S. in percentage of electricity generated from wind in 2009.  
Equivalent number of homes Washington wind farms now power: 575,000

State wind resource: 18,479 MW at 80 meters hub heights

According to a resource assessment from the National Renewable Energy Lab, Washington's wind resource could provide 64 percent of the state's current electricity needs.

FOR MORE INFORMATION, PLEASE CONTACT: [windmail@awea.org](mailto:windmail@awea.org)

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# WIND ENERGY FACTS: WASHINGTON

## ECONOMIC AND ENVIRONMENTAL BENEFITS

Investment in wind power is an investment in jobs, including jobs in operations and maintenance, construction, manufacturing and many support sectors. In addition, wind power projects produce lease payments for landowners and increase the tax base of communities.

- Total direct and indirect jobs supported in 2009: 2,000-3,000
- Annual property tax payments by wind project owners: \$12.5 million
- Annual land lease payments: over \$6 million

The wind energy industry also creates wind energy supply chain jobs and new manufacturing opportunities. Washington is home to Katana Summit and TBAiley, major wind turbine tower manufacturers, who have manufacturing facilities in Ephrata and Anacortes, respectively. At least 8 facilities in Washington currently manufacture components for the wind energy industry.

Generating wind power creates no emissions and uses no water. The wind power installed in Washington will avoid over 3.5 million metric tons of carbon dioxide emissions annually.

## WASHINGTON POLICY

Washington passed a renewable energy standard (RES) through ballot initiative in 2006. The RES requires certain utilities to obtain 15 percent of their 2020 electricity from renewables and invest in energy efficiency.

## EVENTS

Washington exhibitors at the WINDPOWER 2010 Conference & Exhibition: 22  
AWEA 2011 Wind Resource and Project Assessment Workshop: will be held in Seattle

Published February 2011 | Calculations based on national and state averages

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