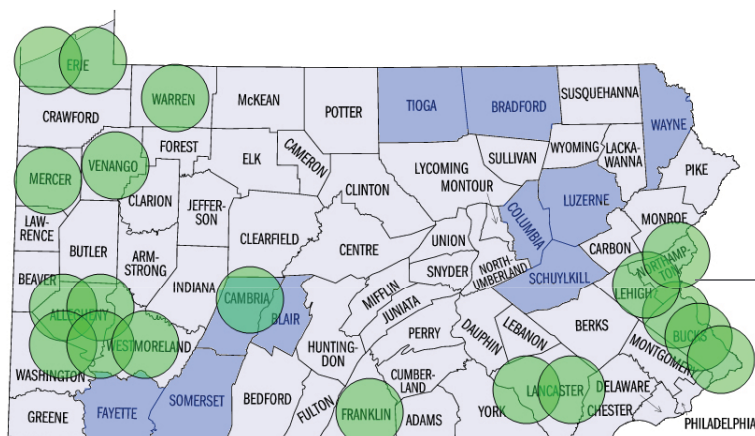


# WIND ENERGY FACTS: PENNSYLVANIA

The wind energy industry supports manufacturing and construction jobs in Pennsylvania



Pennsylvania is a manufacturing hub for wind that has significant opportunity to expand its wind installations.

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

## WIND PROJECTS

Currently online:	751 megawatts (MW)
Added in 2011:	3.2 MW
Under construction:	177 MW
Wind projects in queue:	3,391 MW

Pennsylvania ranks 16th nationally in total wind capacity installed.

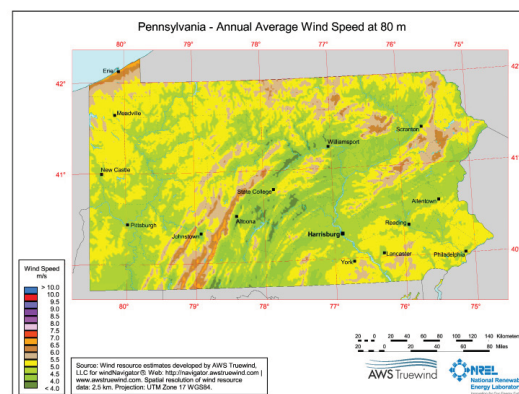
## GENERATION AND POTENTIAL

Percentage of Pennsylvania power provided by wind in 2010: 0.8%

Equivalent number of homes Pennsylvania wind farms now power: 180,000

State wind resource: 3,307 MW at 80 meter hub height

According to a resource assessment from the National Renewable Energy Lab, Pennsylvania's wind resource could provide 6.4 percent of the state's current electricity needs.



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

AMERICAN WIND ENERGY ASSOCIATION

WWW.AWEA.ORG | 202.383.2500 | 1501 M St. NW, SUITE 1000, WASHINGTON, D.C.



# WIND ENERGY FACTS: PENNSYLVANIA

## 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 2010: 3,000-4,000
- Annual property tax payments by wind project owners: \$1.3 million
- Annual land lease payments: over \$2.2 million

Generating wind power creates no emissions and uses virtually no water. The wind power installed in Pennsylvania will avoid over 1.25 million metric tons of carbon dioxide emissions annually.

## MANUFACTURING SECTOR

Pennsylvania is becoming a manufacturing powerhouse for the wind energy industry. Many of the skills Pennsylvania workers possess easily transfer to wind energy manufacturing, providing thousands of new jobs and spurring billions in investment. Many Pennsylvania companies have already begun supplying to the wind energy industry. At least 15 facilities currently manufacture components for the wind energy industry.

Pennsylvania has also attracted significant wind-specific investment. One of the global leaders in the manufacture of wind turbines, Gamesa, chose Pennsylvania as its American hub. Gamesa now employs over 800 workers in Pennsylvania in its manufacturing and sales division, including 600 USW workers. Gamesa invested over \$175 million in facilities in Pennsylvania. Investment of this type at the top of the wind energy supply chain, by Gamesa and others, has spurred further investment throughout the supply chain.

## PENNSYLVANIA POLICY

Pennsylvania passed an Alternative Energy Portfolio Standard (AEPS) in 2004, requiring electricity suppliers to supply 18 percent of their sales from alternative energy sources by 2020.

## EVENTS

Pennsylvania exhibitors at the WINDPOWER 2011 Conference & Exhibition: 33

Published August 2011 | Calculations based on national and state averages

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