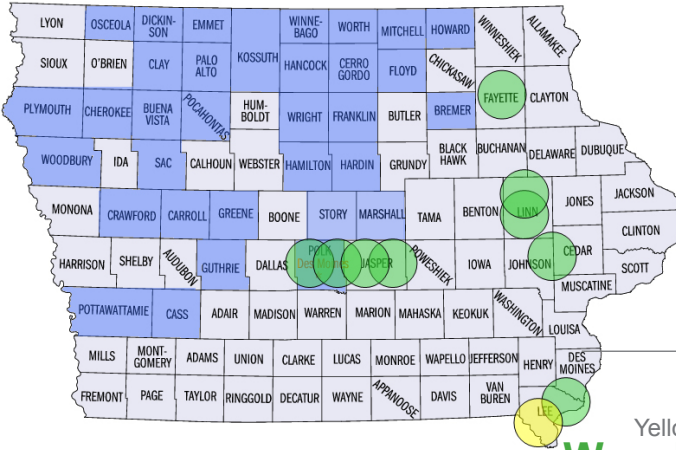


# WIND ENERGY FACTS: IOWA

## Iowa is a national leader in wind energy installations and manufacturing



Iowa is a national leader in the wind industry. Iowa has the second most installed wind capacity of any state and has attracted many major wind manufacturers.

Blue counties have wind projects.  
Green dots are online wind energy manufacturing facilities.  
Yellow dots are announced wind energy manufacturing facilities.

### WIND PROJECTS

Currently online:	3,675 megawatts (MW)
Added in 2010:	5 MW
Added in 2009:	879 MW
Under construction:	619 MW
Wind projects in queue:	14,569 MW

Iowa is ranked second in the US in most installed wind capacity, exceeding California's installed capacity for the first time in 2008.

The Iowa 4th Congressional District is 3rd in the nation for installed capacity.

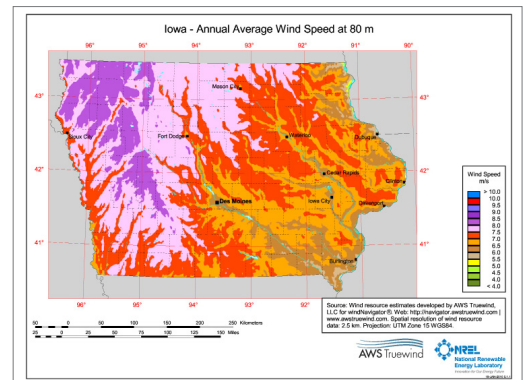
### GENERATION AND POTENTIAL

Percentage of Iowa power from wind in 2010: 15.4%

Iowa ranked first in the US in 2010 for percentage of electricity derived from wind. This year, through April 2011, Iowa is generating 20% of their electricity from wind.

Iowa wind farms now online power the equivalent of more than 900,000 homes.

Iowa's wind resource is ranked 7th in the US. According to a resource assessment from the National Renewable Energy Lab, Iowa's wind resource could provide 44 times the state's current electricity needs. State wind resource: 570,714 MW (at 80 meters).



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

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# WIND ENERGY FACTS: IOWA

## 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: 4,000-5,000
- Annual property tax payments by wind project owners: \$16.5 million
- Annual land lease payments: \$11 million

Generating wind power creates no emissions and uses no water. The wind power currently installed in Iowa will avoid 6.2 million metric tons of carbon dioxide annually.

## MANUFACTURING SECTOR

Iowa has attracted more major wind energy industry manufacturing than any other state. Two turbine manufacturers, two major blade manufacturers and a tower manufacturer have all opened facilities in the state. These facilities have created investment and opportunity throughout the wind energy supply chain for Iowa manufacturers. At least 9 manufacturers in Iowa are suppliers to the wind industry.

- Expected direct manufacturing jobs at major facilities: Over 3,200
- Investment at major manufacturing facilities: \$300 million

## IOWA POLICY

Iowa passed one of the country's earliest renewable generation laws when it passed a law in 1983 requiring its major utilities to own or contract a specific amount of renewable energy. Today the goal has been significantly expanded.

## EVENTS

Iowa exhibitors at the WINDPOWER 2011 Conference & Exhibition: 9

AWEA 2011 Supply Chain Workshop: will be held in Des Moines

AWEA 2011 Small and Community Wind Conference and Exhibition: will be held in Des Moines

Published August 2011 | Calculations based on national and state averages

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