

WIND ENERGY IN INDIANA



Indiana has potential to become a national leader in the wind energy industry.

Indiana has been successful in attracting investment for wind energy manufacturing, with at least 15 manufacturing facilities in the state providing high quality jobs and producing components for the wind industry. The state's wind capacity of over 2,000 MW has created additional economic development throughout the state. Meadow Lake Wind Farm is the 12th largest wind project in the U.S. with 303 wind turbines, stretching across White, Jasper, and Benton Counties.

BENEFITS Jobs & Economic Benefits

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

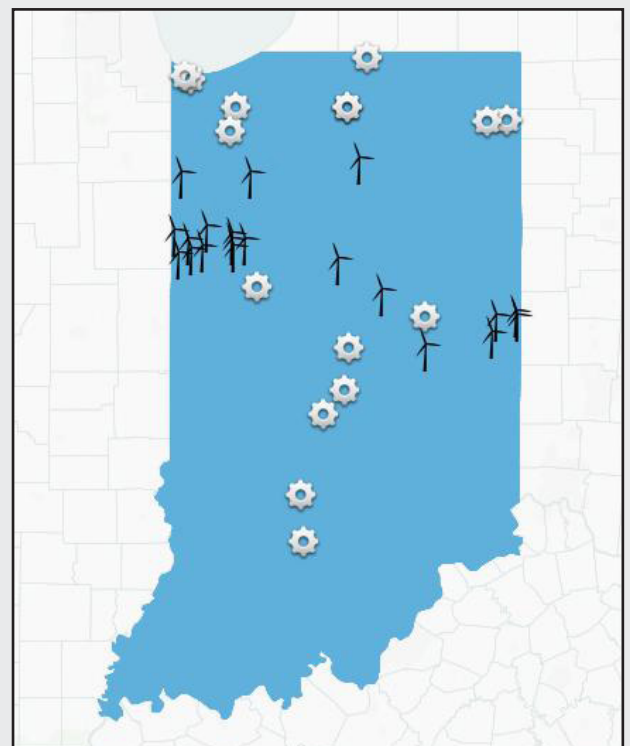
- 2017 direct and indirect jobs supported: **2,001 to 3,000**
- Total capital investment through 2017*: **\$4.5 billion**
- Annual land lease payments*: **\$5 -10 million**

*Calculations based on national and state averages.

Wind-Related Manufacturing

The United States has over 500 manufacturing facilities producing products for the wind industry that range from blade, tower and turbine nacelle assembly facilities to raw component suppliers, including fiberglass and steel.

- Number of active manufacturing facilities in the state: **15**



 Online Wind Project  Manufacturing Facility

Wind Projects

- Installed wind capacity: **2,117 MW**
 - » State rank for installed wind capacity: **12th**
- Number of wind turbines: **1,203**
 - » State rank for number of wind turbines: **12th**
- Wind projects online: **16 (Projects above 10 MW: 8)**
- Wind capacity under construction: **330 MW**
- Wind capacity in advanced development: **0 MW**

Wind Generation

During 2017, wind energy provided **4.7%** of all in-state electricity production.

- State rank for share of electricity: **21st**
- Equivalent number of homes powered by wind in 2017: **440,700**

Wind Generation Potential

The DOE Wind Vision Scenario projects that Indiana could produce enough wind energy by 2030 to power the equivalent of 4.9 million average American homes.

- Land based technical wind potential at 80 m hub height: **40,259 MW**
- Land based technical wind potential at 110 m hub height: **133,875 MW** (Source: NREL)

Environmental Benefits

Generating wind power creates no emissions and uses virtually no water.

- 2017 annual state water consumption savings*: **1.8 billion gallons**
- 2017 equivalent number of water bottles saved: **13.3 billion**
- 2017 annual state carbon dioxide (CO₂) emissions avoided: **3.2 million metric tons**
- 2017 equivalent cars' worth of emissions avoided: **674,000**

*Based on national average water consumption factors for coal and gas plants



Indiana

In May 2011, Indiana enacted a voluntary Clean Energy Portfolio Standard (CPS), that sets a goal of 10 percent of the state's electric generation to come from clean energy sources by 2025.