Ohio is a national leader in wind-related manufacturing.

Ohio has more wind-related manufacturing facilities than any other state in the nation, with 61 manufacturing facilities producing components for the wind industry and providing high-quality jobs. Ohio also has 864 MW of operating wind capacity, representing $1.4 billion in capital investment. In 2019, the wind industry supported over 1,000 direct jobs in the state. Ohio has significant wind resource potential, both on- and offshore. By developing more of these resources, the state can create new economic development and allow the manufacturing sector to attract larger investments.

Jobs & Economic Benefits

The U.S. wind industry is a major economic development driver. In addition to job creation and billions of dollars in project investment, the wind industry invests heavily in local communities, providing significant revenue in the form of property, state, and local taxes.

- Direct wind industry jobs in 2019: 1,001 to 2,000
- Capital investment in wind projects through 2019*: $1.4 billion
- Annual state and local tax payments by wind projects: $7 million
- Annual land lease payments: $6.2 million

*Source: Based on state and national averages from LBNL, NREL

Wind-Related Manufacturing

Over 500 manufacturing facilities in the U.S. make products for the wind industry, from blades, towers, and turbine nacelles to raw components such as fiberglass and steel.

- Number of active manufacturing facilities in the state: 61
Wind Projects as of Q1 2020

- Installed wind capacity: **864 MW**
  - State rank for installed wind capacity: **23rd**
- Number of wind turbines: **419**
  - State rank for number of wind turbines: **24th**
- Wind projects online: **39** (Projects larger than 10 MW: **4**)
- Wind capacity under construction: **250 MW**
- Wind capacity in advanced development: **261 MW**

Wind Generation

In 2019, wind energy provided **1.70%** of all in-state electricity production.

- State rank for share of electricity: **31st**
- Equivalent number of homes powered by wind in 2019: **186,100**

Wind Energy Potential

- Land-based technical wind potential at 80 m hub height: **119,128 MW**
  (Source: AWS Truepower, NREL)
- Offshore net technical wind potential at 100 m hub height: **17,990 MW** (Source: NREL)

Environmental Benefits

Wind energy reduces emissions and water consumption by avoiding generation from fossil-fuel power plants.

- In-state carbon dioxide emissions avoided in 2019*: **3.4 million metric tons**
  - Equivalent cars' worth of emissions avoided: **710,000**
- In-state water consumption savings in 2019**: **1.9 billion gallons**

*Estimated using Aurora power sector model.

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

Renewable Portfolio Standard

Ohio first passed an Alternative Energy Portfolio Standard (AEPS) in 2008, requiring utilities to provide 12.5% of their electricity sales from renewable resources by 2025. In 2019, the state passed legislation to lower its target to 8.5% by 2026 and eliminate the RPS thereafter.