Oregon is successful in attracting investment for wind energy manufacturing and large wind energy projects. Oregon ranks eighth in the country for installed wind capacity, with a total capital investment of $6.5 billion in wind projects in the state. Developing Oregon’s wind resource has provided numerous economic and environmental benefits to the state. Major industry players such as turbine manufacturer Vestas and gearbox manufacturer Moventas have opened facilities in Oregon, and there are at least 7 manufacturing facilities in Oregon producing components for the wind industry.

**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.

- 2016 direct and indirect jobs supported: 2,001 to 3,000
- Total capital investment through 2016*: $6.5 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: 7
Wind Projects
• Installed wind capacity: 3,213 MW
  » State rank for installed wind capacity: 8th
• Number of wind turbines: 1,868
  » State rank for number of wind turbines: 9th
• Wind projects online: 31 (Projects above 10 MW: 26)
• Wind capacity under construction: 202 MW
• Wind capacity in advanced development: 40 MW

Wind Generation
During 2016, wind energy provided 12.05% of all in-state electricity production.
• State rank for share of electricity: 12th
• Number of homes powered by wind in 2016: 662,000

Wind Generation Potential
The DOE Wind Vision Scenario projects that Oregon could produce enough wind energy by 2030 to power the equivalent of 2 million average American homes.
• Land based technical wind potential at 80 m hub height: 6,344 MW
• Land based technical wind potential at 110 m hub height: 66,472 MW (Source: NREL)

Environmental Benefits
Generating wind power creates no emissions and uses virtually no water.
• 2016 annual state water consumption savings*: 920 million gallons
• 2016 equivalent number of water bottles saved: 7.0 billion
• 2016 annual state carbon dioxide (CO₂) emissions avoided: 1.8 million metric tons
• 2016 equivalent cars worth of emissions avoided: 373,000

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

Renewable Portfolio Standard
First enacted in 2007, the Oregon legislature increased the state’s renewable portfolio standard (RPS) in March 2016. The RPS sets targets for in-state electricity providers based on their size, with the largest utilities now required to derive 50% of their sales from renewable resources by 2040.