

North American **WIND POWER** *Fast Facts*

U.S. wind energy generating capacity at the end of 2018: 96,488 megawatts (MW)

There are now 56,800 wind turbines operating across 41 states

Wind generating capacity installed in 2018: 7,588 MW

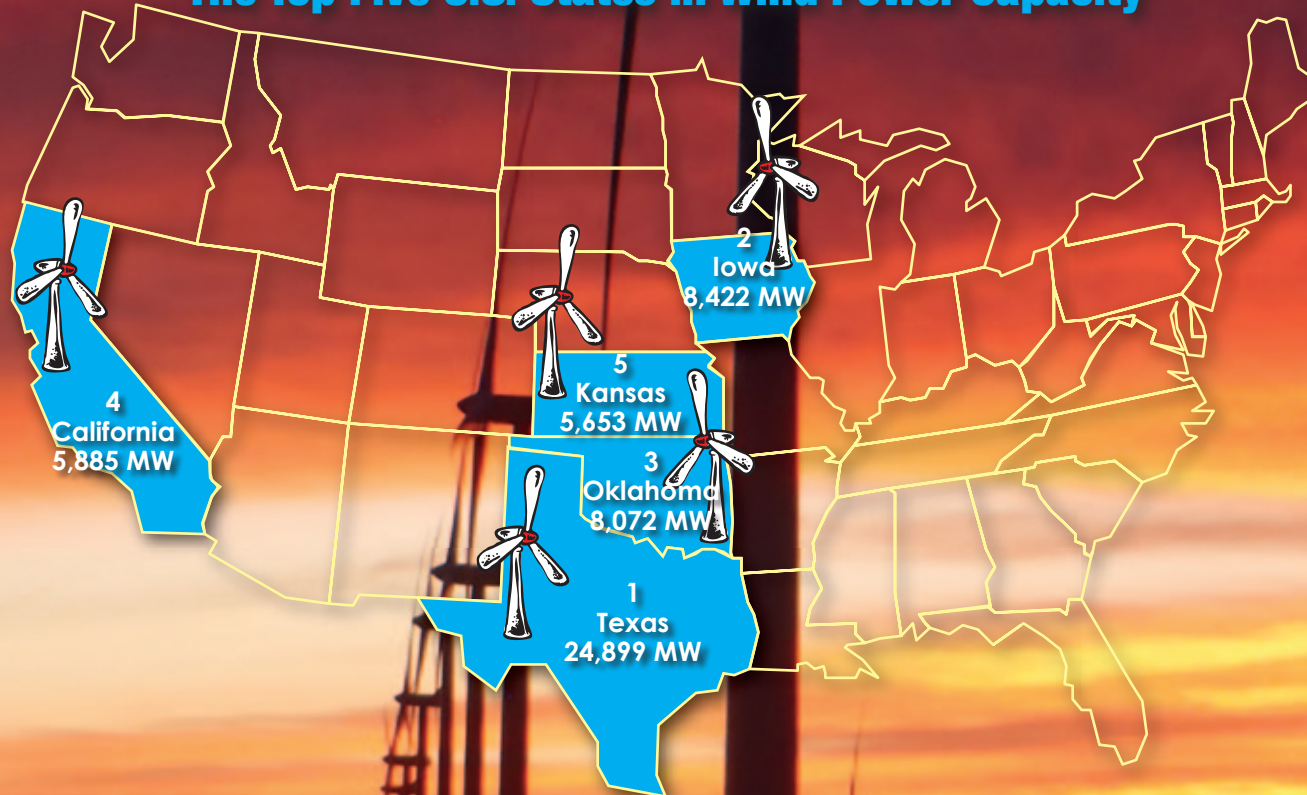
- ▶ During the fourth quarter of 2018, 47 new wind projects were commissioned across 17 states. Texas led with 1,479 MW installed, followed by Iowa (1,116 MW), Colorado (600 MW), Kansas (543 MW), and Nebraska (521 MW).
- ▶ GE Renewable Energy reclaimed the top spot for turbine manufacturers in 2018, capturing 40 percent of U.S. wind turbine capacity installations. Vestas followed with 38 percent of the market, Nordex USA captured 11 percent, and Siemens Gamesa Renewable Energy represented 8 percent of installations.
- ▶ Fortune 500 companies have a large appetite for wind power. Non-utility customers like AT&T, Walmart, ExxonMobil, and Shell Energy purchased a record 4,203 MW of wind power capacity in 2018.

Canadian wind energy operating capacity at the end of 2018: 12,816 MW

Wind generating capacity installed in 2018: 566 MW

- ▶ There is installed wind energy capacity in all Canadian jurisdictions except Nunavut, with the bulk of wind power currently located in the provinces of Ontario (5,076 MW or 40 percent), Quebec (3,882 MW or 30 percent), and Alberta (1,483 MW or 12 percent).
- ▶ Six wind energy projects were powered up in 2018, adding 566 MW of installed capacity—a continuation of steady growth that contributed to an average annual growth rate of 20 percent per year since 2008.
- ▶ The six new wind energy projects that went into operation in 2018 represent an estimated total investment of \$1 billion. In total, 299 wind farms, comprised of 6,596 turbines, are now operating across Canada.

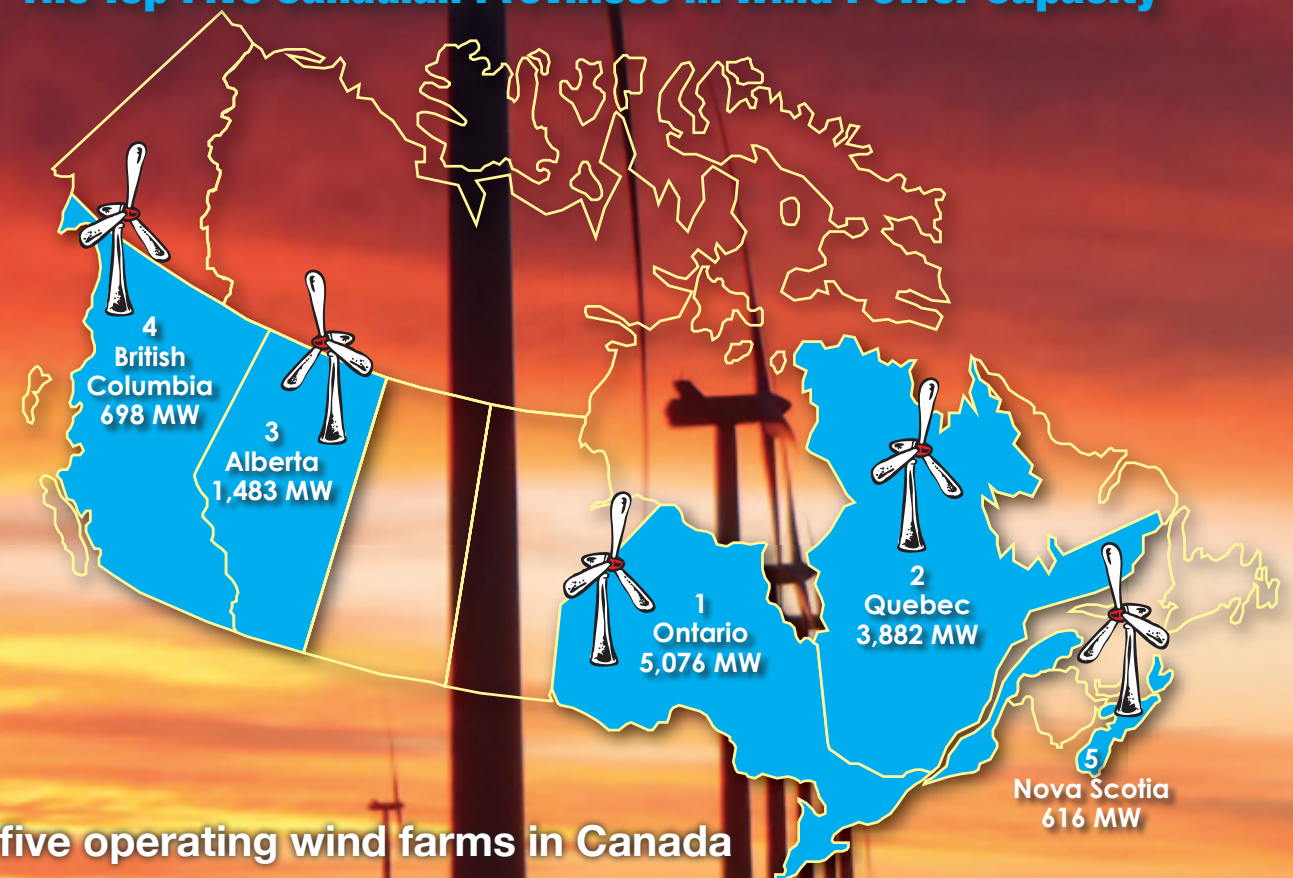
The Top Five U.S. States in Wind Power Capacity



Top five operating U.S. wind farms

1. Alta Wind 946 MW, California
2. Los Vientos 912 MW, Texas
3. Shepherds Flat 845 MW, Oregon
4. Meadow Lake Wind Farm 802 MW, Indiana
5. Roscoe Wind Farm 782 MW, Texas

The Top Five Canadian Provinces in Wind Power Capacity



Top five operating wind farms in Canada

1. Blackspring Ridge Wind Project 298.8 MW, Alberta
2. South Kent Wind Farm 270 MW, Ontario
3. K2 Wind Power Facility 269.96 MW, Ontario
4. Niagara Region Wind Farm 230 MW, Ontario
5. Nicolas-Riou Wind Project 224.25 MW, Quebec

All numbers are to the end of December 2018.

Sources: American Wind Energy Association (www.awea.org)
Canadian Wind Energy Association (www.canwea.ca)