

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

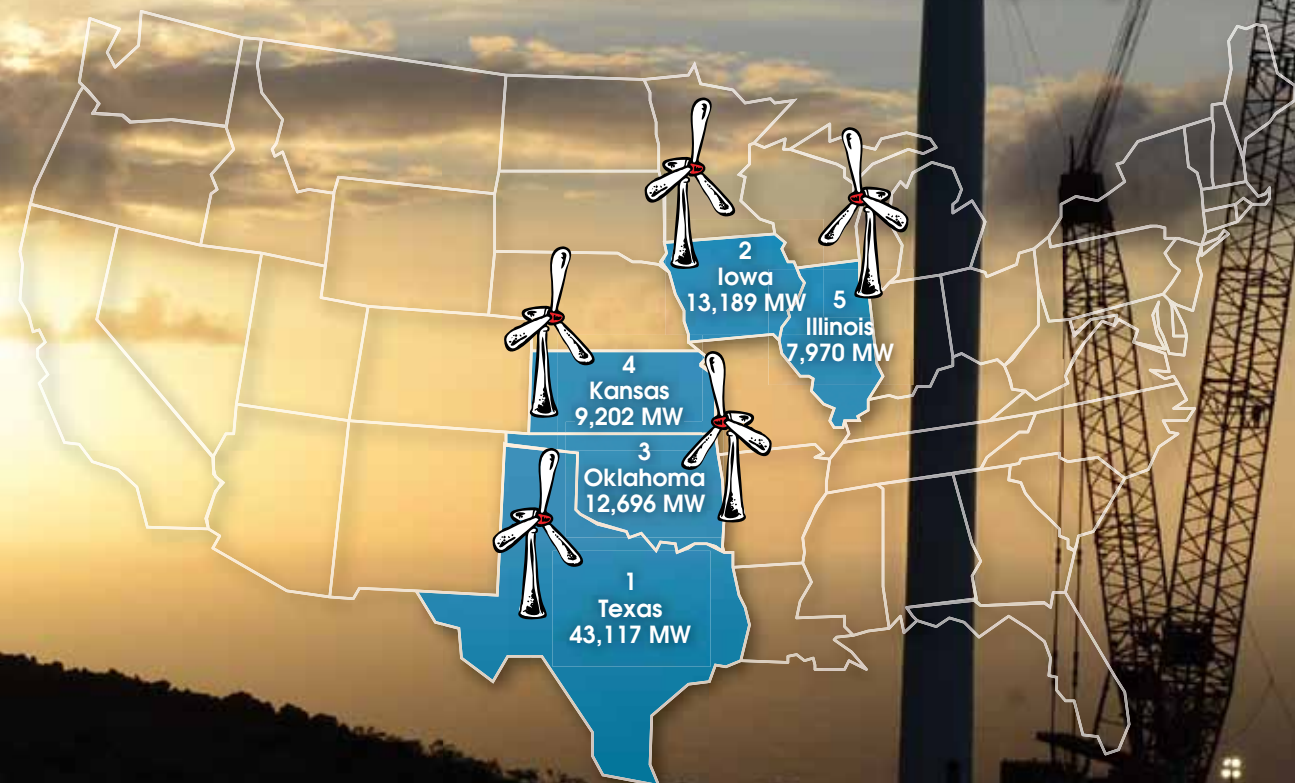
U.S. wind power generating capacity at the end of 2024—154,783 megawatts (MW)

Across 13 states, 25 land-based wind projects began operations in 2024. Ten states brought online more than 100 MW of capacity

Wind generating capacity installed in 2024: 4,058 MW

- ▶ Of the total of 4,058 MW of wind power added during 2024, 3,926 MW was land-based wind power, and 132 MW was offshore wind power.
- ▶ Land-based wind remains the most abundant U.S. clean power technology with 154,609 MW installed. Offshore wind power capacity is now 174 MW.
- ▶ The U.S. offshore wind industry reached a new deployment milestone in 2024, installing the country's largest project to date in March 2024. The 132 MW South Fork Wind project, off the coast of New York State, marks the first large-scale offshore wind project to begin commercial operations in the U.S.

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



Top five operating U.S. wind farms

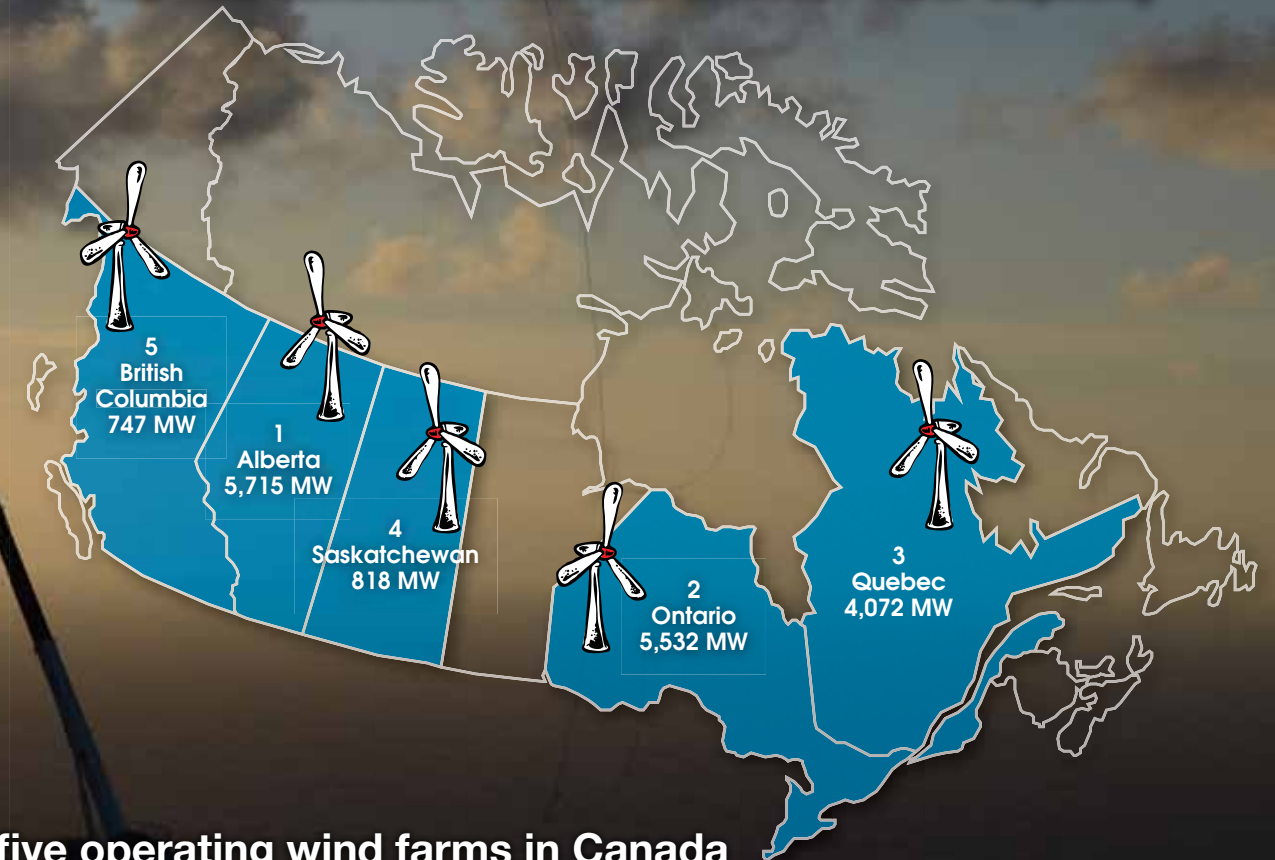
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| 1. Western Spirit Wind, 1,056 MW, New Mexico | 4. Alta Wind Project, 946 MW, California |
| 2. Great Prairie Wind (Firewheel Wind), 1,029 MW, Texas | 5. Los Vientos, 912 MW, Texas |
| 3. Traverse Wind Energy Center, 996 MW, Oklahoma | |

Canadian wind power operating capacity at the end of 2024—18,434 megawatts (MW)

Wind generating capacity installed in 2024: 1,448 MW

- ▶ With the start-up of the Buffalo Plains wind farm, the province of Alberta is now Canada's leader in wind power, with 5,715 MW of wind power capacity.
- ▶ Canada's wind power capacity has grown 35 percent in the past 5 years (2019-2024), and the country now has 341 wind energy projects.
- ▶ Canada's total wind, solar and storage installed capacity is now more than 24 GW, including over 18 GW of wind, more than 4 GW of utility-scale solar, 1+ GW on-site solar, and 330 MW energy storage.
- ▶ There was a major wind power announcement in late-2014. BC Hydro selected nine wind energy projects in a call for power in the province of British Columbia. These projects total 1,531 MW of capacity, enough to power 500,000 new homes. The development and construction of these new projects are expected to generate between \$5 billion and \$6 billion (Cdn.) in capital spending.

The Top Five Canadian Provinces in Wind Power Capacity



Top five operating wind farms in Canada

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| 1. Buffalo Plains Wind Farm, 466 MW, Alberta | 4. Sharp Hills Wind Farm, 297 MW, Alberta |
| 2. Henvey Inlet, 300 MW, Ontario | 5. South Kent Wind Farm, 270 MW, Ontario |
| 3. Blackspring Ridge Wind Project, 300 MW, Alberta | |

All numbers are to the end of December 2024.

Sources: American Clean Power Association: www.cleanpower.org, the Canadian Renewable Energy Association (CanREA) www.renewablesassociation.ca