

North Dakota currently ranks 9th in share of electricity generated from wind.<sup>1</sup> 35 commercial wind farms now reside in 27 counties in North Dakota, generating over 4,300 MW of power in 2022. The wind industry currently accounts for 1700 operations & maintenance, construction, manufacturing, wholesale trading, and professional service jobs in North Dakota<sup>2</sup> with a total business activity of over \$8 billion through 2022. Each year, the wind industry pays state and local taxes of over \$20 million and \$22 million in lease payments to North Dakota landowners. The result of all this activity is that North Dakota generates enough wind to meet 65% of electricity consumption across the state.



## RANKED FIRST IN THE NATION FOR ELECTRICITY RETAIL SALES PER CAPITA<sup>1</sup>

- Oil, natural gas, coal, wind and biofuels all contribute to the ND energy portfolio.<sup>3</sup>
- Ranked sixth in the nation for share of electricity generated by wind energy.<sup>1</sup>
- North Dakota generates enough wind to meet 65% of electricity consumption.<sup>4</sup>
- Wind was the second-largest electricity generating source in North Dakota in 2021, providing about 1/3 of the state's net generation.<sup>4</sup>
- North Dakota is one of the top 5 states for wind energy jobs per capita<sup>1</sup>



## AMONG TOP 10 STATES FOR WIND ENERGY GENERATION

- Due to industry-wide technology improvements, wind projects are viable across the state.
- Nearly continuous wind, average speeds of 10-13 mph are ideal for wind energy production.<sup>4</sup>
- While the national wind capacity factor averaged 36 percent in 2020,<sup>6</sup> North Dakota wind projects typically see higher rates between 40-50 percent.<sup>3</sup>
- Wind energy capacity increased from 100 MW to over 4,000 MW in the past decade.<sup>1</sup>



## WIND HAS INVESTED \$8 BILLION IN TOTAL CAPITAL THROUGH 2022

- Like oil and other natural resources, wind is a cash crop that North Dakota can export.
- Landowners receive \$22.1 million in wind project lease payments annually.<sup>1</sup>
- Approximately \$20.7 million paid in taxes each year—directly benefiting counties with wind projects.<sup>1</sup>
- Wind turbine service technicians are the second fastest growing occupation in the U.S.<sup>5</sup>
- Electricity providers continue to invest billions in new transmission lines and substations to meet increasing demand, ensuring reliable delivery of North Dakota-generated power.

1 American Clean Power Association

2 2022 U.S. Energy & Employment Jobs Report (USEER)

3 2021 Great Plains Energy Corridor Spotlight on North Dakota Energy

4 U.S. Energy Information Administration

5 U.S. Bureau of Labor Statistics

6 U.S. Dept of Energy Land-Based Wind Market Report 2021

WIND is a coalition of industry members and supporters who believe North Dakota should harness its abundance of wind for the continued benefit of its communities and residents. Find out more: <https://windindustrynd.com>

**Members:** Clean Grid Alliance, Apex Clean Energy, EDF Renewable Energy, Enel Green Power North America Inc., Invenergy, NextEra Energy Resources, Ørsted.