

## Cuming County Distributed Wind Project

Wisner, Nebraska, 98971 | General Electric | 2.5 MW Turbine, 292 foot tower | Installed by Boyd Jones Const.

**Boyd Jones**



Photo Credit: Bluestem Energy Solutions<sup>1</sup>

**Cuming County Public Power District (CCPPD)** in Nebraska partnered with Bluestem Energy Solutions to install a 2.5 MW wind turbine in 2019. Strategically sized to fit the substation's load to ensure full utilization of generated energy, the turbine generates about 10% of CCPPD's peak energy needs, passing on cost savings to and creating price stability for customers.

The turbine provides annual savings of 3-4% on CCPPD's power costs, while also contributing to the local economy through property taxes, land lease payments, and maintenance-related spending.

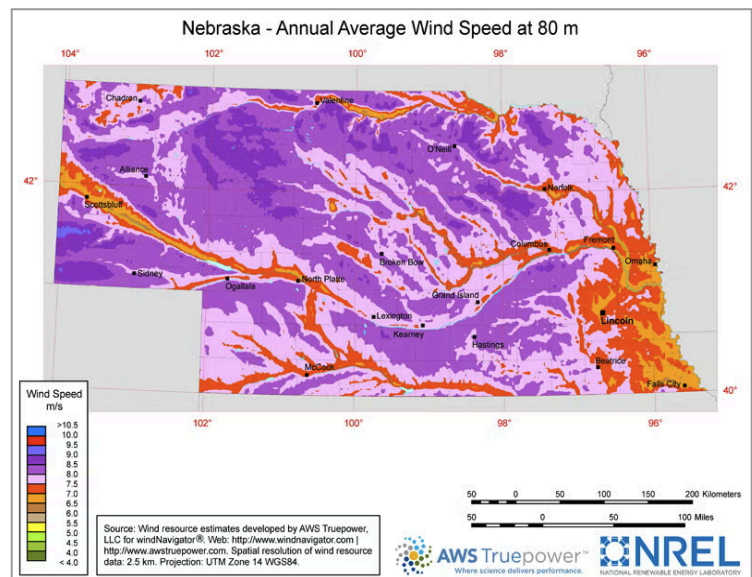
*"The nice thing about wind is we know exactly what it's going to cost," noted CCPPD General Manager Chet McWhorter. "For the rest of your power, year to year, you learn what it's going to be. But with wind, we know from day one what it costs, and we know from day 900 what it's going to cost. It's helped us hold the line, and we haven't raised rates in three years."*<sup>1</sup>

### Key Findings

- Produces ~ 10,950 MWh of energy annually, equal to powering 900 homes
- Provides 3-4% annual savings on CCPPD's power costs

### Impact

- Showcases rural utility wind energy applications with cost savings and price stability benefiting consumers
- Improves energy independence



**More than 25,000 Nebraska properties have wind resources suitable for distributed wind with a combined technical potential of 156 MW, per NREL**

Want further information? Please see: [www.AgWindEnergy.org](http://www.AgWindEnergy.org) or [www.DistributedWind.org](http://www.DistributedWind.org)

<sup>1</sup><https://www.cooperative.com/programs-services/bts/radwind/Documents/RADWIND-Case-Study-CCPPD-July-2021.pdf>