

4th Wind Turbine at Sherman County Feedyard

Goodland, KS 67735 | Eocycle | EOX S-16, 25 kW on 80 ft tower | Installed by Eocycle



Photo Credit: Eocycle

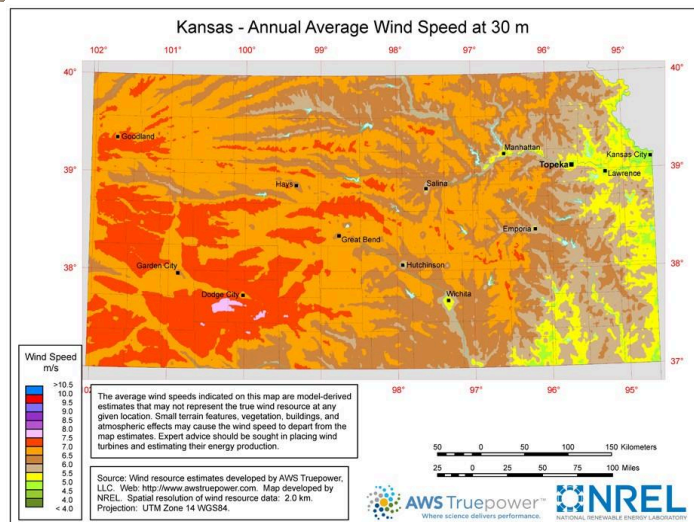
Sherman County Feedyard in Goodland, Kansas, has successfully installed its fourth Eocycle wind turbine, demonstrating a strong commitment to renewable energy and cost reduction. This latest 25 kW Eocycle EOX S-16 turbine, installed on August 5, 2023, stands 80 feet tall and is part of a broader strategy to lower electricity costs across the feedyard's operations.

The project's primary goal was to reduce energy expenses, building on the success of three previously installed Eocycle turbines. With an estimated annual production of 76,560 kWh, this new turbine is expected to offset 53% of the feedyard's annual electricity usage, resulting in approximately \$4,700 in annual cost savings. The project's success is further bolstered by its short

estimated payback period of just five years, aided by the USDA Rural Energy for America Program (REAP), Investment Tax Credit (ITC), and depreciation incentives.

Key Findings

- 5-year estimated payback period
- \$4700 annual cost savings
- 76,560 kWh of electricity produced annually



More than 30,710 KS properties have wind resources suitable for distributed wind, with a combined technical potential of 192 MW, according to NREL

Want further information? Please contact:

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