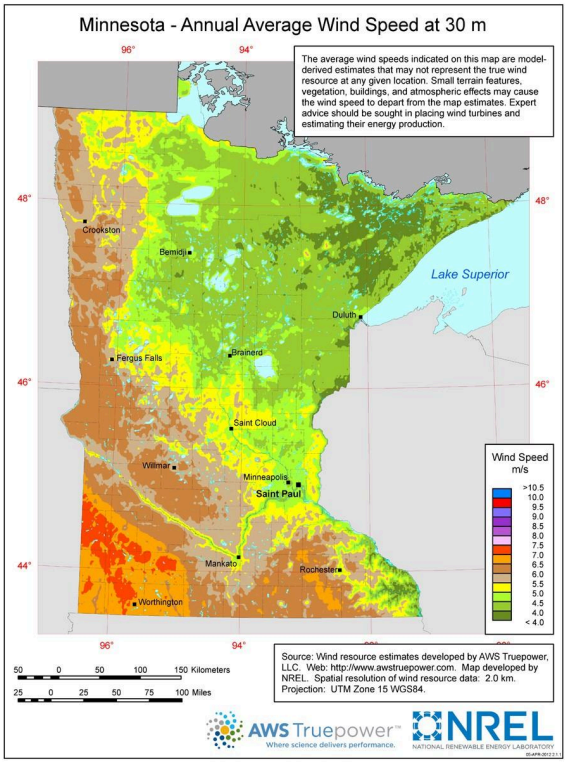
Blom Hogs Farm Turbine

Pipestone, MN, 56164 | Eocycle Wind Energy | 25kW Turbine, Model S-16 | Installed by Eocycle

Photo Credit: Eocycle

Blom Hogs, a farming operation located in Pipestone, MN, installed an Eocycle 25 kW Model S-16 wind turbine in September 2024. In its first year of operation, the S-16 turbine exceeded expectations, delivering 77.8 MWh with a notable 99% availability rate, covering approximately 54% of the farm's energy. Driven by the project's compelling payback potential and expected return on investment (ROI), Blom Hogs installed the wind turbine as a proactive step toward controlling the farming operation's energy costs. Since the turbine's commissioning, the farm has already experienced utility rate increases, reinforcing the economic value of the project.

Blom Hogs Farm Turbine Economic Viability With and Without REAP/ITC		
Scenario	**Out-of-Pocket Cost**	**Est. Payback Time**
Without REAP & ITC	$189,434	18 Years
With REAP & ITC	**$72,622**	**7 Years**



More than 147,000 MN properties have wind resources suitable for distributed wind with a combined technical potential of 590 MW, according to NREL.

For further information, please contact:
Lloyd Ritter, DWEA Policy Director, lritter@greencapitol.net, 202-215-5512 www.DistributedWind.org

The system's performance means the farm is not only insulating itself from market volatility but is also achieving electricity cost savings of more than $10,000 per year—outperforming initial projections and further justifying the farm's initial investment in distributed wind.

Project funding was made possible through a one-time USDA REAP grant, one-time federal Investment Tax Credit, and one-time bonus depreciation, covering more than half of the $189k total capital expenditure. The balance was financed through Compeer Financial, enabling project payback in about 7 years when accounting for incentives. Without incentive support, payback would have extended to roughly 18 years, underlining the critical role of policy programs for distributed wind viability.

Incentives Applied	
REAP (25%)	$40,086
ITC (30%)	$48,104
Depreciation	$28,622

The farm's positive experience with this small wind turbine has sparked additional investment—the Blom's have decided to place a second turbine at another site, highlighting both the farmer's confidence in the technology and the replicability of the business model. As retail electricity rates continue to escalate, turbines like Blom Hogs' underscore the long-term value, reliability, and resilience local wind generation can offer Minnesota's agricultural producers.

Annual Operational Expenditures	
Electricity Cost Savings	$10,062
Operational Expenditures	-$1,500
Insurance	-$1,700
Net Annual Cash Flow	**$6,862**

Quick Facts	
Annual Energy Cost Savings	$10,062
Annual Production	77.1 MWh
On-Site Energy Offset	~54%

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