

“Gentle Giants” Frey Farm Landfill Wind Project

Conestoga, PA 17516 | 1.6 MW GE Wind Turbines | 2 x 1.6 MW on 262 foot towers | Energy Power Partners



Photo credit: PPL Renewable Energy



Turkey Hill Dairy, a maker of high-quality ice cream and other products, partnered with Lancaster County Solid Waste Management Authority and NextEra to install two 1.6 MW GE wind turbines on a non-operational portion of the Frey Farm Landfill. Connected behind the meter, the wind turbines produce 6 million kWh of electricity a year – enough to power making 5-6 million gallons of ice cream per year.

In combination with other energy systems, Turkey Hill’s rural Lancaster County dairy is 100% energy independent with the wind turbines generating about 21% to 25% of Turkey Hill’s electricity needs annually.

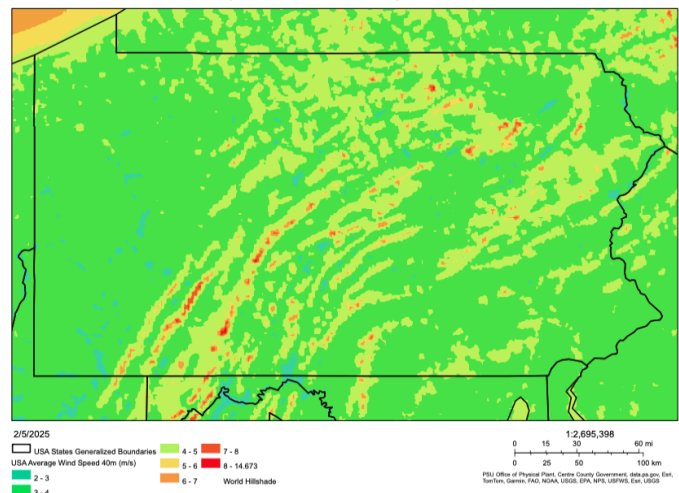
Key Findings

- Produces ~ 6 million kWh of energy annually
- Offsets ~ 21-25% of annual energy needs

Impact

- Showcases feasibility of wind energy in rural food processing & manufacturing facilities
- Ensures energy independence

Pennsylvania - Annual Average Wind Speed



More than 200,000 PA properties have wind resources suitable for distributed wind with a combined technical potential of 2.7 GW, per NREL

Want further information? Please see: www.AgWindEnergy.org or www.DistributedWind.org