Baldwin Wallace University Wind Turbine

Berea, Ohio 44017| Skystream 3.7 | 2.4 kW on 60 foot tower | Installed by Dovetail Solar & Wind

Photo Credit: Carver Ulrich

Baldwin Wallace University, located in Berea, Ohio, installed its still-operating wind turbine on campus in 2009 – the first turbine at an Ohio college. Connected to the grid, the 2.4 kW Skystream 3.7 wind turbine produces enough energy to power a home. The University uses to power the athletic field facilities at its point of installation. It also serves as a symbol of B-W's commitment to independent energy innovation. The student body funded over 65% of the cost of the turbine and installation, with the university covering the remaining costs.

Designed for small installations, including microgrid applications, the Skystream 3.7 is a user-friendly and turnkey compact generator – with controls and an inverter built in – able to quietly provide electricity even in very low winds. The Skystream 3.7 operates with winds blow between eight and 60 mph and is constructed to survive wind speeds of up to 140 mph.

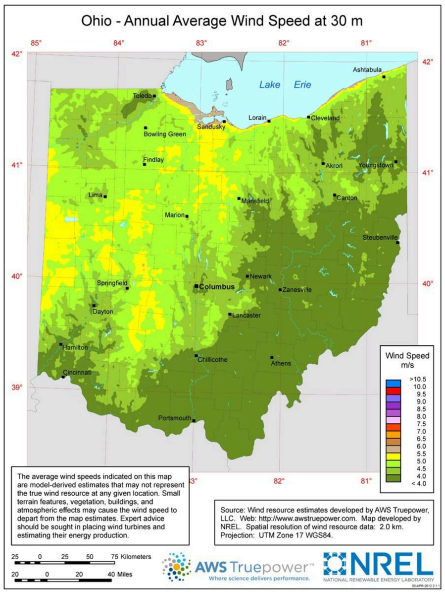
"It's an absolutely beautiful sight," noted Dr. David Krueger, Baldwin Wallace Professor. "It's spinning nicely with the wind."

Key Findings

- Produces up to ~ 4,800 kW annually, enough to power a small business or home
- Powers university facilities

Impact

- Showcases university's support for energy independence through wind
- Serves as a research tool for the university
- Demonstrates suitability of wind energy in educational applications



More than 215,000 Ohio properties have wind resources suitable for distributed wind, with a combined technical potential of 2.25 MW, per NREL

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