

# Olde Chautauqua Farm

Portland, NY

## THE BACKGROUND

An on-site or small wind power energy system can provide consumers in windy locations with a cushion against electric power price increases. Wind energy systems not only help customers reduce their electricity purchases from utilities, they also help reduce U.S. dependence on fossil fuels, and they are nonpolluting. Cash incentives for installing wind energy are available in New York and vary **between 15-70%** depending on the installation.



## THE STORY

**Olde Chautauqua Farm, open to the general public for U-pick fruits or vegetables, is using wind power to generate electricity, with a newly installed 10kW wind turbine located in the middle of its lush grape vineyards.** When NYSERDA issued a solicitation for small, on-site wind projects, Olde Chautauqua enthusiastically responded. After a site and resource

assessment by AWS Scientific, Olde Chautauqua was selected to participate in NYSERDA's program.

**"The turbine doesn't interfere with our agricultural operations," says Mike Jordan, Olde Chautauqua's owner. "In fact, we harvest grapes right up to the tower's base."**

**For more information on wind incentives log on to [www.PowerNaturally.org](http://www.PowerNaturally.org) or call 1-866-NYSERDA**

# Thanks to the NYSERDA Small Wind Program, places like Olde Chautauqua Farm can install affordable small wind systems. It's part of NYSERDA's commitment to help make New York State energy efficient now and into the future.

## THE TEAM

- **NYSERDA:** Funding and coordination of the On-Site Small Wind Incentive Program for New York State.
- **AWS Scientific:** Coordinated the design, site assessment, installation and interconnection, hired the local subcontractors, and conducted the State Environmental Quality Review (SEQR). Working closely with NYSERDA, the team they led was able to complete the job within eight months from the initial site visit to final approvals, installation and interconnection. Installation by Four Winds Renewable Energy and Offshore Services.

## THE SYSTEM

The Olde Chautauqua Farm wind turbine, located in Portland NY, is a 10 kW Bergey Excel-S mounted on a 100 ft self-supporting lattice tower. The average annual wind resource at this site, as projected by the New York State Wind Map, is about 5.8 m/s (13 mph). The installed cost of this system was approximately \$60,000, and the NYSERDA incentive was \$36,000.

## THE SAVINGS

The estimated annual output of the Olde Chautauqua Farm wind energy system is

**14,500**

**kWh.** A typical home in New York State uses

about **6,000 kWh** of electricity annually.

