



Success Stories



Project Details:

Location:

22801 St. Clair Avenue
Euclid, OH 44117

Project Contact:

Seth Mason
(216) 383-8875
seth_mason@lincolnelectric.com

Technologies:

2.5 MW wind turbine

Funding Source:

American Recovery and Reinvestment Act –
State Energy Program

Incentives:

\$1,125,000

Total Project Costs:

\$6,083,230

Energy Impacts:

- Providing approximately 10 percent of energy needs
- Expected to produce more than 6 million kWh of electricity annually

Economic Impacts:

- Saving an estimated \$500,000 in electric costs per year
- Created 8.6 jobs*

Environmental Impacts:

- Reduces CO₂ emissions by more than 9 million pounds per year, which is equivalent to taking 811 cars off the road.

*Job creation numbers are based on direct jobs created or retained using Full-Time Equivalent (FTE) hours.

Lincoln Electric



Background:

Lincoln Electric is a major supplier to the developing wind tower fabrication industry. In the U.S. alone, more than 50 percent of installed towers were fabricated with Lincoln Electric products. In addition, Lincoln Electric regularly holds seminars on welding solutions for the wind tower industry, and wanted to have a utility-scale wind tower on-site for demonstration purposes.

Challenge:

In spring 2009, Lincoln Electric was asked by Cuyahoga County if it was interested in working with Kenersys, a German wind turbine manufacturer, to erect a demonstration wind turbine. The proposed multi-phase plan would begin with the installation of a single turbine, and lead to additional installations and ultimately a turbine manufacturing facility in Ohio.

Solution:

Working with Kenersys, Lincoln Electric installed a 2.5 MW wind turbine on their Euclid, Ohio campus, the largest known urban installation in North America. Not only does this turbine supply power to Lincoln Electric – lowering their electric costs, helping them retain employees – but it also serves as a tangible symbol of Lincoln Electric's commitment to the wind tower fabrication industry.

"The tower represents important cost savings, as well as our commitment to integrating renewable energy sources, among other ongoing green initiatives, into our manufacturing processes. It stands as a visible symbol of Lincoln Electric's commitment to the wind tower industry by showcasing the benefits our welding solutions offer to a prominent, fast-growing business segment."

- George Blankenship, President of Lincoln Electric North America



Department of
Development

Community Services Division, Office of Energy
77 South High Street, 26th Floor, P.O. Box 1001, Columbus, Ohio 43216-1001
Phone (614) 466-6797 Fax (614) 466-1864 energy@development.ohio.gov

www.energy.development.ohio.gov