GreenEnergy TECHNOLOGIES
WIND ENERGY FOR *YOUR* WORLD

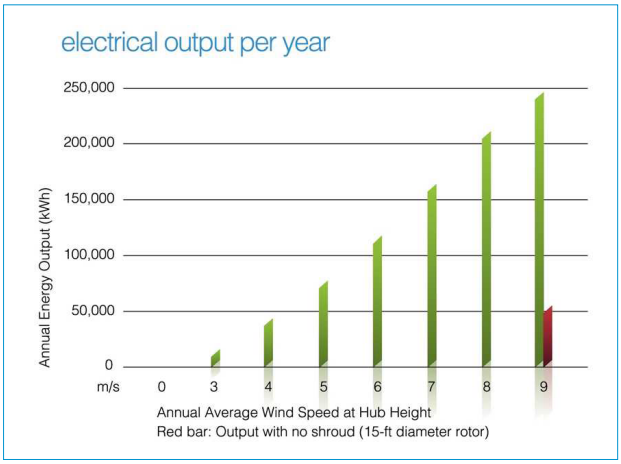
FOR MORE INFORMATION
Kathy Obert cell 330.730.5500
Wendy Schweiger cell 330.472.3799
Melissa Koski cell 216.570.2026
all of Edward Howard at 216.781.2400

economic benefits of the windcube®

Because wind energy is a low-cost and environmentally desirable source of power, the WindCube® allows businesses to immediately offset all or part of their electric usage. The WindCube is not intended as a way to sell electricity back to the grid on a consistent basis (i.e., as an independent power producer); instead, it allows large power-users to integrate wind energy into a variety of standard urban roofs.

Because of the WindCube's superior flexibility, a wide range of users can now benefit from the power of the wind:

- Commercial Office Buildings
- Industrial Buildings
- Big Box Retailers
- Government Buildings
- Educational Institutions
- Condominiums
- Ports and Airports
- Island Locations



WindCube® Energy Savings

Depending on the model, the cost of a WindCube® usually ranges from $4.50 - $6.00 per installed watt before rebates and other incentives. Generally three main factors determine the payback period of your WindCube System:

- Your average wind speed at hub height
- Your electric rate (located on your electric bill)
- Rebates and incentives available in your state

To estimate the amount of electricity produced by the WindCube, refer to the WindCube Performance Curve (above), which relates electric output per year at different average wind speeds. For example, at an average wind speed of 7 meters per second (about 15 miles per hour), the WindCube will generate about 160,000 kWh/yr of electricity.

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846 North Cleveland-Massillon Road
Akron, Ohio 44333
tel 888.666.8577
fax 866.586.6824
info@getsmartenergy.com
www.getsmartenergy.com

WindCube

There are many factors that go into calculating the performance curve and represents power generation under assumed average conditions and parameters. The actual power generation may vary from the average based on specific location. Some of the factors considered in estimating power generation are:

- Wind Speed Profile – A location-specific profile that measures the rate at which wind speed increases with altitude
- Air Density – Humid air is heavier and will generate more power than dry air at the same wind speed
- Turbulence – Even at similar geographical locations, turbulence can vary depending on interference by nearby structures and topography of the land

The WindCube Performance Curve may be used for preliminary economic estimates, but getting a more definitive estimate will require a location-focused study to understand the various factors for that location, including wind speed profile.

WindCube® Rebates and Incentives

Rebates and incentives vary state by state. Refer to the Database of State Incentives for Renewables and Efficiency (www.dsireusa.org) for the most up-to-date specifics.

1. Through 2016, the American Recovery and Reinvestment Act of 2009 allows owners of small wind systems with up to 100 kilowatts (kW) of capacity to receive an uncapped investment tax credit for 30% of the total installed cost of the system. Previously, this incentive was capped at $4,000.
2. A fifty percent bonus depreciation is extended to most types of turbines placed in service during 2009. Bonus depreciation is also available for certain turbines placed in service during 2010.