



## Smart Energy Solutions for your Facility, Smart Energy Lessons for your Students.

Northern Power Systems is proud to offer a technologically advanced wind turbine that delivers significant energy savings for your school while educating tomorrow's leaders about the green technology right in their backyard. By offering an educational tool set for your school, we bring the lessons of the Northern Power 100 right into the classroom and to your entire community. Our web based tools allow your school to be a model for the community by involving parents, students, and residents in your wind turbine project by showcasing the positive impacts of your turbine in a sleek and engaging manner.

### The Wind for Schools Program includes:

**STUDENTVIEW:** Our web based interface that includes live turbine data, trending, and historical data that can be incorporated into math and science lesson plans

**PUBLICVIEW:** A sophisticated public access website that acts as a window into your school's turbine's performance. It calculates in real time a series of relevant information that is communicated in an engaging website that can be customized with your school's logo, information and photos. PublicView may be viewed from any computer via a web connection. Its format is also ideal for presenting on a large panel display for a lobby or other public area.

#### VIEWERS CAN SEE:

- >> How much power is the Northern Power 100 producing?
- >> How windy is it?
- >> How much carbon has been offset? The offset has created the equivalent of how many trees planted? How many cars taken off the road?
- >> How much money is your school saving on their electricity bills?

**WIND RESOURCE GUIDE:** Northern Power is actively engaged with wind energy associations around the globe and therefore, has the best line of sight on educational resources and school curriculums that teach students of varying ages about wind power.

# WIND FOR SCHOOLS PROGRAM



Northern Power Systems is currently developing an enhanced version of the Wind for Schools Program for Fall 2010 that offers an upgraded StudentView account for your Northern Power 100.

**Northern POWER SYSTEMS**

**Welcome to Medford**

**Medford Wind Turbine Project**

The turbine project was coordinated by the City of Medford and the Medford Clean Energy Committee. Erected in January of 2009, the Medford turbine provides about 10 percent of the power for the McGlynn School, saving about \$25,000 each year in electricity bills.

The wind turbine will be an important educational tool for the entire school system and the public. Students can access real-time data on wind speed and energy output, gaining a practical understanding of renewable energy resources and power generation.

**Cost Savings**

\$9,565

Estimated avoided electricity cost based on \$0.14/kWh

**Environmental Equivalent**

1,899 trees

It would take this many mature trees one year to reduce the total CO2 avoided

**Pollutant Offsets**

91,209 lbs

The total amount of COx avoided since installation

*McGlynn Elementary School's PublicView screenshot, calculating turbine performance and savings.*

To learn more, call 1-877-90-NORTH visit us online at [www.northernpower.com](http://www.northernpower.com) or connect with us on our Wind for Schools Facebook page.