SD WIND

Weekly newsletter from South Dakota Wind Application Center

Announcements

- Individual School Status Summary:
  - Turbine Installed: Sanborn, Douglas
  - Site Visit Completed: Faith, Elkton, Memorial
  - Site Visit Pending: Aberdeen, Selby
- 2009 Skystream turbines are to be ordered soon.

Notes From…

Michael Twedt SDSU WAC Director

"One challenge we face as a nation is reducing our dependency on foreign energy sources. There are two primary methods to reduce our dependency. The first method is to increase our energy efficiency, which is the easiest; it can be very feasible and directly saves on energy costs. The second method is to develop our own domestic energy source. The US has both traditional and renewable energy. Most of the US's renewable resources are untapped and are environmentally friendly. Developing our renewable energy resources is often more costly than implementing energy efficiency or developing traditional energy sources, but they also have important advantages of both replacing and conserving traditional energy sources. Education concerning energy issues, specifically concerning developing our local wind energy will be a continued focus of this newsletter. I am looking forward to addressing these important topics in the months to come."

News Clip

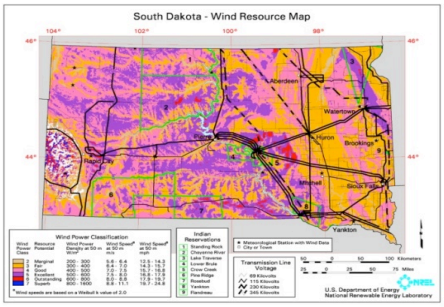
Small Wind Tax Credit / Grant

The newly passed American Reinvestment and Recovery Act provides a 30% tax credit or equivalent grant (grants are businesses only) for small wind [<100 kW] installations.

Reference: http://www.awea.org/legislative/#SW

Fun Fact

Most officials rate South Dakota in the top five for most wind energy potential.



Map Link:
http://www.windpoweringamerica.gov/images/windmaps/sd_50m_800.jpg
Credit:
http://puc.sd.gov/commission/Energy/Wind/PUCWindHandout0808.pdf

Q/A

Anonymous:

Q: How big of a turbine should I get?
A: Divide the average monthly electrical consumption (kWh) by 250 h. This will give an estimate for a turbines rated capacity in kW.

$$Rated\ Capacity\ (kW) = \frac{[Consumption\ (kWh)]}{250h}$$

SD WAC enjoys answering questions from K-12 students about topics ranging from "Can I use wind energy?" to "What kind of classes does an engineering student take?"

Please submit questions on our website at:
http://wac.sdwind.org/contact