

# SD WIND

Bi-Weekly newsletter from South Dakota Wind Application Center

- Steve Wegman, Executive Director of the South Dakota Wind Energy Association has an informative interview on wind energy in South Dakota. To listen, follow the link: [http://www.windpoweringamerica.gov/media/2009/nafb\\_wegman.mp3](http://www.windpoweringamerica.gov/media/2009/nafb_wegman.mp3)
- Sioux Falls, SD is having a "Green-ival" event on September 19<sup>th</sup>, 2009 from 10am – 2pm at Falls Park. For more information contact Drew Price at [dprice@siouxfalls.org](mailto:dprice@siouxfalls.org)
- Newsletters and special topics can now be found at <http://wac.sdwind.org/news>
- The SDSU EAL has written a "Back-to-School" issue of Energy Update. Check it out at <http://wac.sdwind.org/news>

## Notes

### Titan Blade-Signing Marks Milestone in Hand County Wind Power Development

BP Wind Energy and NorthWestern Energy hosted a wind turbine blade-signing event August 5 to celebrate the move into full construction of the Titan I Wind Farm in Hand County. Located on a 7500-acre site south of Ree Heights, the Titan I Wind Farm is 100 percent owned by BP Wind Energy with the energy sold to NorthWestern Energy for use by its customers in South Dakota. John Grahamm, president of BP Wind Energy, was the first speaker at the ceremony and he stated in brief that large wind farms such as Titan are the long-term future of the wind energy business, that the Titan project could be the largest wind farm in the world if built out to full capacity, and it could cover half a million acres over five counties.

Source: <http://www.themillerpress.com/main.asp?SectionID=6&SubSectionID=24&ArticleID=23098>

## News Clip

### Small Wind Starts producing at 2 mph

WindTronics has developed a small turbine that will start running at speeds as low as 2 miles an hour. Unlike conventional turbines the Honeywell has small magnets at the tip of the fan blades and when they spin from the wind, the turbines housing captures the current produced. The DC current captured is converted into household AC current and a smart box regulates the flow of electricity.

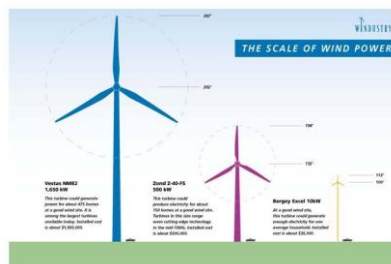


Reference: [http://news.cnet.com/8301-11128\\_3-10258176-54.html](http://news.cnet.com/8301-11128_3-10258176-54.html)

## Fun Fact

### Wind Energy Today

Turbines today are sleek and slender machines, a far cry from their bucolic wooden ancestors. They range from home or farm-scale machines of 1 kilowatt (kW), all the way up to arrays of large 3 megawatt (MW) machines. Modern wind turbines are up to the task of producing serious amounts of electricity. A popular sized machine in the U.S. today is a state-of-the-art 2 MW turbine that stands as tall as a 30-story building and costs roughly \$3.5 million installed. With a good wind resource, this size turbine can produce 6 million kWh of electricity each year, or enough energy to run 600 average American households.



Source: <http://www.windustry.org/wind-basics/learn-about-wind-energy/wind-basics-wind-energy-today-and-tomorrow/>

## Q/A

**Q: What does the UL certification on the Skystream 3.7 mean?**

**A:** UL has developed more than 1,000 Standards for Safety. Their Standards for Safety are essential to helping ensure public safety and confidence, reduce costs, improved quality and market products and services. Millions of products and their components are tested to UL's rigorous safety standards with the result that consumers live in a safer environment than they would have otherwise. In the words of Southwest Wind Power the Skystream 3.7 is a really cool residential appliance.

Source: <http://www.ul.com/global/eng/pages/corporate/standards/>

Please submit questions on our website at:

<http://wac.sdwind.org/contact>