



## OFFICE OF ENERGY INDEPENDENCE

Chester J. Culver, Governor  
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### Wind Energy Resources

For all incentives best website is [www.dsireusa.org](http://www.dsireusa.org), includes:

- State, including rebate programs by utility
- Federal

To determine your wind resource, go to the wind calculator at the Iowa Energy Center:

- Site offers many options for turbines, height of tower etc. Organized by County and town. Puts out monthly and annual output per scenario in kilowatt-hours.  
<http://www.energy.iastate.edu/renewable/wind/windstudy-index.htm>

Other Key Websites:

- The AWEA website is probably the best place to answer many questions. This link contains steps to purchasing a residential turbine:  
<http://www.awea.org/faq/rsdntqa.html>
- A website dedicated entirely to community wind is (Community wind is large scale, but owned by partnering communities or individuals): <http://www.windustry.org/>

For small wind and pertinent issues:

Site is organized state by state listings to many issues such as net metering, suppliers, etc  
<http://www.awea.org/smallwind/states.html>

DOE Wind Powering America program offers great 27pg. book for household, ranch, small business: [http://www.windpoweringamerica.gov/small\\_wind.asp](http://www.windpoweringamerica.gov/small_wind.asp)

Cost Estimates:

- Commercial scale wind turbine in 2007 ranged from \$1.2M - \$2.6M, per MW of nameplate capacity installed.
- New vs. refurbished (Installed Cost):
  - New projects: \$1,500-\$4,000 per kW
  - Refurbished projects: \$900-\$1,200 per kW

More funding Opportunities for Small Rural Business or Farm:

<http://www.rurdev.usda.gov/rbs/buspbprogs.htm>

Federal Incentives (for small wind):

- Investment tax credit (ITC): Pays \$1,000 per kw with a cap at \$4,000/household.

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