

Wind Turbine Site Assessment Request Form

For Residential Wind Systems up to 100 kW

Effective July 1, 2007

Please use this form to request a wind turbine site assessment for your home. The following includes important information that you must review before you request a site assessment. It also provides Focus on Energy with information that is needed to efficiently process your request. Carefully read and complete all sections of this request form.

What is a wind turbine site assessment?

Wind site assessments are designed to provide customers with site-specific information about how wind systems can help meet their energy needs. During the site assessment a trained wind energy consultant will visit your site. The consultant will evaluate your site, answer your questions, and summarize their findings in a written report that will include:

- A review of your goals for having a wind system
- A basic analysis of your energy needs
- An evaluation of the wind resource at your site
- Recommendations for a wind system size and siting to meet your energy goals
- Estimate of a wind systems production
- A rough cost estimate for the system
- An overview of the incentives for which the system is eligible
- Preliminary economic analysis of the system
- The next steps you need to take to make your system a reality

A site assessment is not a bid nor does it provide a system design.

How much does a site assessment cost?

Site assessment fees vary, and are determined by each individual assessor. In general a typical residential wind site assessment will cost between \$200 and \$400.

Focus on Energy will provide a 60 percent discount on the overall cost of the assessment for qualified individuals.

Please discuss costs and system expectations with your solar consultant prior to the site visit.

What about non-residential wind site assessments?

Non-residential wind site assessments are defined as those that take place at businesses, family farms, non-profit organizations, government agencies, or multi-family buildings. To request a non-residential site assessment, please fill out the Non-Residential Site Assessment Request Form from the Focus on Energy Web site, and return it to the address indicated.

Wind System Information

Before you request a site assessment you should know the following information about renewable energy systems in Wisconsin:

Energy Efficiency – Where energy savings for a building or facility is involved, every dollar you spend on energy efficiency will save up to three dollars on the cost of your renewable energy system. This is because the more efficient your building or facility is, the smaller the renewable energy system can be to meet your energy needs.

Wind System Overview - Wind turbines perform best in naturally windy, open, high locations. To get above all obstructions tall towers may be needed. The bottom of the turbine's blades should be at least 30 feet above the highest object with 500 feet of the tower. These requirements often make siting turbines in urban and forested locations very difficult. Tower heights of 80 feet to 120 feet are typical, with the cost of the tower often exceeding the expense of the actual wind generator.

Home-sized wind turbines vary in size from about 1kW to 100kW. A wind turbine will, depending on actual wind speed, generate about 1,300 kWh per year per kW of installed turbine capacity. Typical home-sized systems start at about \$12,500 and range up to \$55,000.

How to apply for the Focus on Energy Wind Electric Site Assessment cost share:

- 1) To qualify for the discount you must purchase your electricity from one of the following utilities:
 - Alliant Energy
 - Argyle Electric & Water Utility
 - Belmont Municipal Light & Water
 - Benton Electric & Water Utility
 - Bloomer Electric & Water Utility
 - Cadott Light & Water Department
 - Cashton Light & Water
 - Centuria Municipal Electric Utility
 - Consolidated Water & Power Company
 - Cornell Municipal Light Department
 - Cumberland Municipal Utility
 - Dahlberg Light & Power Company
 - Eau Claire Energy Cooperative
 - Elroy Electric & Water Utility
 - Gresham Water & Electric Plant
 - Kiel Utilities
 - La Farge Municipal Utilities
 - Madison Gas & Electric
 - Manitowoc Public Utilities
 - Mazomanie Electric Utility
 - Medford Electric Utility
 - North Central Power Co. Inc.
 - Northwestern Wisconsin Electric Company
 - Pardeeville Public Utilities
 - Pioneer Power & Light Co.
 - Price Electric Cooperative
 - Princeton Light & Water Department
 - Rice Lake Utilities
 - Richland Electric Cooperative
 - Scenic Rivers Energy Cooperative
 - Shawano Municipal Utilities
 - Shullsburg Electric Utility
 - Spooner Municipal Electric Utility
 - Stratford Water & Electric Department
 - Superior Water, Light & Power Company
 - Viola Municipal Electric Utility
 - We Energies
 - Westfield Electric Company
 - Wisconsin Dells Water & Light Utility
 - Wisconsin Public Service Corp.
 - Wonewoc Water & Light Department
 - Xcel Energy
- 2) Complete this form, and return it to the address indicated.
- 3) Participate in an initial telephone screening with a Focus on Energy representative to discuss your site assessment needs and to make sure you qualify for the discount.
- 4) If you qualify, a discount coupon and list of site assessors will be mailed to you.
- 5) Select an assessor from the list and arrange your site assessment. Provide the site assessor with the discount coupon at the time of the site assessment.

Note: Fill out the following page to request a site assessment.

***Note:** If the site is not located in an eligible utility service territory, the site assessment is available at full cost. Contact Midwest Renewable Energy Association for more information.*

