



Commercial Wind Turbine Site Assessment Request Form

(For wind turbines greater than 20kW)

Please use this form to request a commercial wind turbine site assessment. This form 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 commercial wind turbine site assessment?

Commercial wind turbine site assessments are designed to provide businesses, farmers and land-owners site-specific information about how wind turbines can help meet their energy needs. During the site assessment a wind energy consultant will visit your property to evaluate your site and answer your questions. You will also be provided with a written report from the assessment.

Information provided by the site visit will include:

- A review of your goals for having a wind turbine
- A basic analysis of your energy needs
- An evaluation of the wind energy resource at your site
- Recommendations for a wind turbine system to meet your energy goals
- Estimated output of wind turbine, based on the wind resource estimate
- Information on the best place to site your system, including minimum acceptable tower height
- A general cost estimate for the system
- The next steps you need to take to make your system a reality

While a site assessment may provide estimated costs and recommended components for a renewable energy system, it is not a bid nor does it provide a system design. In some cases other renewable energy technologies may also be recommended, although the assessment is not a comprehensive analysis of alternative technologies.

One of the most critical aspects of a wind site assessment is the estimate of the wind resource at the recommended tower height. This estimate will be based on available wind resource data and basic computer modeling. For larger wind turbines it is often necessary to measure the wind resource at the site for months or years with an anemometer set. This site assessment does not cover the cost of any long-term wind resource measurements.

How much does a commercial wind turbine site assessment cost?

Site assessment fees typically vary between **\$500 and \$600**, plus mileage. Please discuss costs and system expectations with your assessor prior to the site visit. Focus on Energy

offers a **50 percent discount, up to \$300**, on commercial wind site assessments.

Who is eligible for the Focus on Energy 50 percent discount on commercial wind turbine site assessments?

To qualify for the discount you must:

- 1) Purchase your electricity from one of the following utilities:

Alliant Energy
Argyle Electric & Water Utility
Benton Electric & Water Utility
Bloomer Electric & Water Utility
Cadott Light & Water Dept.
Cashton Light & Water
Centuria Municipal Electric Utility
Consolidated Water & Power Co.
Cornell Municipal Light Department
Cumberland Municipal Utility
Dahlberg Light & Power Co.
Gresham Water & Electric Plant
La Farge Municipal Utilities
Madison Gas & Electric
North Central Power Co.
Northwestern Wisconsin Electric Co.
Pardeeville Public Utilities
Pioneer Power & Light Co.
Princeton Light & Water Department
Shullsburg Electric Utility
Spooner Municipal Electric Utility
Stratford Water & Electric Department
Superior Water, Light & Power Co.
Viola Municipal Electric Utility
We Energies
Westfield Electric Company
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) Use an assessor from the list of Focus approved Commercial Wind Turbine Site Assessors. The list will be mailed to you along with your 50 percent discount coupon, following the telephone screening.

Wind Turbine 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 wind turbine. This is due to the fact that the more efficient your building or facility is, the smaller the turbine system can be to meet your energy needs.

Wind Systems – Wind turbines perform best in naturally windy, open, high locations. The topography, density and height of trees in the area, and the surrounding terrain affect the performance of a wind turbine.

These requirements often make siting turbines near urban or forested locations very difficult. Tower heights well over 120 feet are typical. Mid-sized wind turbines vary in size from systems greater than 20kW to about 300kW. Mid-sized wind turbines typically cost from about \$90,000 to many hundreds of thousands of dollars. Larger wind turbines are typically

over 300kW and cost about one million dollars per 1000 kW to install. Wind systems also require annual maintenance.

Grants – Focus on Energy offers an Implementation Grant to eligible entities that install commercial wind turbines. Implementation Grants are based on an estimate of the amount of electricity the system will produce in one year. The Implementation Grant is up to \$45,000 or no more than 35 percent of the project cost. Grants are funded on a competitive basis. Funding levels may be less than the level requested by the applicant.

Before you order or purchase any system components, and before you sign an installation contract, your application must be approved by Focus on Energy and you must sign an Implementation Grant Agreement form. Payment of the Implementation Grant is made to you after the renewable energy system is installed and you submit a Notice of Installation. **Contact Larry Krom, 608-588-7231 or Mick Sagrillo, 920-837-7523 for more information.**

I have carefully read this form. Please contact me about a renewable energy site assessment.

Name: _____

Mailing Address: _____
Street address City State Zip County

Site Location: _____
Street address City State Zip County

Daytime Phone: _____ Evening Phone: _____ E-mail: _____

When is the best time to contact you? _____

Which size wind turbine(s) are you interested in? (mid-sized, large, not sure) _____

Electrical utility at site: _____ (Please indicate the utilities that service the area where the site is located, even if there are no utilities at the site.)

Mail or e-mail this form to:

Larry Krom, Focus On Energy, P.O. Box 687, Spring Green, WI 53588 or E-mail: LK@wisolarelectric.com

You will be contacted in about a week of receipt to discuss your specific site assessment needs.