

Non-Residential Wind Turbine Site Assessment Request Form

(For wind turbines 100 kW or less for farm, business, school, nonprofit & government facilities)

Please use this form to request a non-residential wind turbine site assessment. The following includes important information that you must review before requesting a site assessment. It also provides Focus on Energy the information it needs to efficiently process your request. Please read and complete all sections carefully.

What is a non-residential wind turbine site assessment?

Non-residential wind turbine site assessments are designed to provide businesses, farms and institutions 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 the site and answer your questions. You will receive a written report of the assessment's findings.

The site assessment will provide the following information:

- 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 the 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.

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. This site assessment does not cover the cost of any long-term wind resource measurements.

How much does the non-residential wind turbine site assessment cost?

Non-residential wind turbine site assessment fees vary depending on the size of the wind turbine, electrical service and fees, and your needs. **You are responsible for paying the full cost of a wind site assessment. However, Focus on Energy offers a redeemable coupon to eligible customers for the full cost of a non-residential wind site assessment (see details on page 2).** Please discuss costs and system expectations with your assessor prior to the site visit.

Wind turbine system information

Before you request a site assessment, you should know the following information about energy efficiency and 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 difficult. Tower heights well over 120 feet are typical.



Small non-residential wind turbines vary in size up to about 100 kW. Small non-residential sized wind turbines typically cost from \$70,000 to \$500,000. Utility-scale wind turbines typically output more than 800 kW and cost more than \$2 million per 1,000 kW to install. Focus on Energy does not fund these systems, nor the site assessments for wind turbines over 100 kW in capacity. The largest wind system that Focus on Energy funds, and therefore site assessors can recommend, produces approximately 200,000 kWh/year at an excellent site.

Wind systems also require annual maintenance.

Incentives

Focus on Energy offers Cash-Back Rewards and Implementation Grants to eligible entities that install non-residential wind turbines. Incentives are based on an estimate of the amount of electricity the system will produce in one year. A Cash-Back Reward (for systems up to 20 kW) may pay up to \$35,000, with a maximum reward of 25 percent of the project cost. Incentives for nonprofit or local government projects may be approved for up to 35 percent. An Implementation Grant (for systems 20 to 100 kW) has a cap of \$100,000 or 35 percent of the project cost. 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. Payment of the Cash-Back Reward or Implementation Grant is made to you after the wind energy system is installed and you submit a Notice of Installation (NOI).

Contact Amy Taivalkoski at 262-372-4221 for more information.

How to apply for the Focus on Energy non-residential wind turbine site assessment full reimbursement:

- 1) To qualify for the discount you must purchase your electricity from one of the utilities participating in the Focus on Energy Program. To view a listing of the participating utilities, visit focusonenergy.com/utilities or call 800.762.7077.
- 2) Complete the following page of 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 make sure you qualify for the redeemable coupon.
- 4) If you qualify, a redeemable coupon will be mailed to you. Following the telephone screening, an assessor will be assigned by Focus on Energy. The assessor will contact you to schedule an appointment for a wind site assessment.
- 5) **Important! To redeem the coupon for the full cost of your site assessment, you must:**
 - Apply for a wind Cash-Back Reward or Implementation Grant within two years of the date of your site assessment
 - Submit a copy of the site assessor's invoice with your wind Cash-Back Reward or Implementation Grant application
 - If your wind Cash-Back Reward or Implementation Grant application is approved, your invoiced site assessment cost will be added to your incentive check after project completion

If you do not apply for a grant within two years of your site assessment, the coupon is rendered null and void.

