

# WIND ELECTRIC SYSTEM CASH-BACK REWARD PRE-APPROVAL APPLICATION



Projects of 20 kilowatts or less. Valid through December 31, 2009.

Initial Application    Updated Application

## STEPS TO APPLY FOR A CASH-BACK REWARD

1. A site assessment in compliance with the Focus on Energy Small Wind Site Assessment Policy ([focusonenergy.com/windpolicy](http://focusonenergy.com/windpolicy)) must be completed before you apply for a Cash-Back Reward. To learn more about certified site assessments please visit [focusonenergy.com/siteassessments](http://focusonenergy.com/siteassessments).
2. Focus on Energy recommends obtaining at least three bids for equipment and installation from an installation contractor (wind electric systems can be self-installed). To view the [Focus on Energy Full Service Wind System Installation Firms](#) list please visit [focusonenergy.com/fullserviceinstallers](http://focusonenergy.com/fullserviceinstallers).
3. Make sure you or your installation contractor designs the system according to the system requirements specified in this application.
4. Complete and email or mail a signed copy of this application to the address at the bottom of the page. You must include a copy of the bid for equipment and installation, and a copy of the site assessment.
5. Homeowners that have fully participated in the Wisconsin ENERGY STAR Home Program or Home Performance with ENERGY STAR Program are eligible to receive a \$500 bonus reward ([focusonenergy.com/windbonus](http://focusonenergy.com/windbonus)).
6. **Do not purchase, order or install any equipment until you have been notified by Focus on Energy that your application has been approved! Installation prior to Focus on Energy approval may render your project ineligible for funding.**
7. Within 30 days of receiving a completed application (including the required site assessment report) Focus on Energy will notify you if your application has been approved. You will also receive a Notice of Installation form that you will need complete and return after your system has been installed.
8. If your system's expected electricity production changes by more than 20 percent after your Cash-Back Reward is approved, please update the information on the system using a new Cash-Back Reward application and mail it to the address listed below. If the updated Cash-Back Reward application is not approved by Focus on Energy, additional funds may not be awarded.
9. Install the system and ensure installation meets all applicable state and national codes, including the National Electric Code, has the appropriate permits and that you have a signed interconnection agreement with your electric provider. You have one year to install the system and submit the Notice of Installation.
10. To receive the Cash-Back Reward payment, mail the Notice of Installation to the address at the bottom of this page.

Questions regarding this application should be directed to Focus on Energy at 800.762.7077 or [renewableapplications@focusonenergy.com](mailto:renewableapplications@focusonenergy.com).

## APPLICANT INFORMATION Complete all appropriate fields. Please print.

Contact Name or Name of Residential Owner		Company/Organization (if applicable)			
Federal I.D. NO. (if applicable)	<input type="checkbox"/> LLC	<input type="checkbox"/> Corporation	<input type="checkbox"/> Partnership	<input type="checkbox"/> Individual/Sole proprietor	<input type="checkbox"/> For Profit
	<input type="checkbox"/> School	<input type="checkbox"/> 501(c)3	<input type="checkbox"/> Government	<input type="checkbox"/> Other:	<input type="checkbox"/> Not for Profit

\$500 Wind Bonus for Homeowners ([focusonenergy.com/windbonus](http://focusonenergy.com/windbonus)):

- Home is/will be certified Wisconsin ENERGY STAR Home  
 Home has/will complete Home Performance with ENERGY STAR in-home evaluation and post performance inspection  
 Home is NOT participating in the Wisconsin ENERGY STAR Home or Home Performance with ENERGY STAR Programs

Mailing Address	City	State	ZIP	County
Owner/Contact Home Phone	Owner/Contact Work Phone		Owner/Contact Email	
Installation address (no PO Boxes)	City	State	ZIP	County
Electric utility at installation address	Space heating fuel supplier at installation address			

Current space heating fuel type:

- Natural gas    Propane (LP)    Oil    Electric    Other:

## INSTALLATION CONTRACTOR INFORMATION

Company installing the system	Lead Installer's Name		
Mailing Address	City	State	ZIP
Company Phone	Company Email		

**E-mail or mail the completed Cash-Back Reward application to:**

[renewableapplications@focusonenergy.com](mailto:renewableapplications@focusonenergy.com)

Focus on Energy, Attn: Renewable Energy Cash-Back Rewards, 431 Charmany Drive, Madison, WI 53719.

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## SYSTEM DETAILS Attach Bid

Estimated Installation Date (required)	Estimated Installation/Repair Cost
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## DESIGN DETAILS Attach Site Assessment\*

<input type="checkbox"/> New System <input type="checkbox"/> Repair of Existing System	Name of Site Assessor	Date of Site Assessment
Turbine Manufacturer	Model Number	Rated Turbine Capacity (kW)
Hub Height (feet)	Average hub height wind speed (miles per hour)	Estimated annual electricity produced (kWh/hr)
Site location selected	Prevailing Wind Direction	Source of wind speed data

\* All data related to turbine model, tower height, electricity production and the wind resource must be presented in the site assessment. If a proposed system design is not included in the site assessment, an addendum to the site assessment that describes any changes or additions to the site assessment is required. The addendum must be in compliance with the Focus on Energy Small Wind Site Assessment Policy ([focusonenergy.com/windpolicy](http://focusonenergy.com/windpolicy)). The original site assessor or a different certified site assessor may provide the addendum and may charge a fee for the service, which can be included in the overall cost of the wind energy system.

## INSTRUCTIONS

All of the information requested on the Cash-Back Reward application must be completed. Most of this information is taken from the required site assessment report, **which must be completed and attached to your application when you apply for a Cash-Back Reward**. Contact Focus on Energy at 800.762.7077 for information about renewable energy site assessments.

- **Estimated installed cost:** Enter the anticipated total cost of the system, including all equipment and labor. This information can be found on your project bid, which must be attached.
- **Estimated installation date:** Enter the date you anticipate the system will be installed.
- **Turbine Manufacturer:** Enter the name of the manufacturer of the wind turbine you intend to install (please see System Requirements for a list of eligible wind turbines).
- **Model Number:** Enter the model number of the wind turbine you intend to install.
- **Rated Capacity:** Enter the rated capacity of the turbine at a wind speed of 24.6 mph in kilowatts
- **Hub height:** Enter the number of feet above the ground of the wind machine hub. The entire rotor must be at least thirty (30) feet above the tree line.\*
- **Average hub height wind speed:** Enter the average wind speed at the height of the wind machine hub.
- **Estimated annual electricity produced:** Enter the annual electricity produced, in kilowatt hours, by the proposed system at the selected site. This information should appear on your site assessment.
- **Site location:** Enter the selected site option from the site assessment report (usually 1, 2, or 3).
- **Prevailing wind direction:** Enter the prevailing wind direction at the selected site location.
- **Source of wind speed data:** Enter the name of the wind site assessor and date of assessment.

\* Systems with rotors 30 feet above the area tree line may use their Focus on Energy site assessment as the basis for determining the wind resource and estimated turbine productivity. For systems on shorter towers, additional site assessment procedures will be required in order to validate the wind resource available to the turbine. Contact the Focus on Energy Technical Lead for details (888.476.9534)

## TO BE COMPLETED BY FOCUS ON ENERGY STAFF ONLY Project Information

Project Number	Application Received By	Date Received
Estimated Energy Production	Peak kW	Cash-Back Reward Estimate
Cash-Back Reward Approved <input type="checkbox"/> Yes <input type="checkbox"/> No	Approved By	Date Approved

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## DETERMINING THE CASH-BACK REWARD LEVEL

### New Wind Systems

- Cash-Back Reward estimate: The calculated Cash-Back Reward is based on an estimate of the amount of electricity (in kilowatt hours) that the wind system will produce in an average year.
- Calculated Cash-Back Reward = (annual electricity produced in kilowatt-hours) x Reward Factor
- The Reward Factor is based on the wind system cost (\$) and rated capacity (kilowatts), and takes into consideration different tower options and heights.
  - Reward Factor = (estimated wind energy system cost x 0.25)/(turbine capacity at 24.6 mph in kilowatts x 1,752)
- Focus on Energy uses the following table to determine the maximum Cash-Back Reward. The actual Cash-Back Reward may not exceed the Maximum Cost Share or Maximum Reward.

Customer Type	Maximum Cost Share	Maximum Reward
Residential or Business Sites	25%	\$35,000
Nonprofit* or Government Sites	35%	\$35,000

### Repairs on Existing Wind Systems

Repairing Non-functioning Wind Turbines: Focus on Energy may fund the repair of non-functioning wind turbines. To apply for wind turbine repair funding, complete this application and provide a repair cost estimate – with a detailed cost breakout. All wind turbine projects must have a two-year installation warranty and a one-year equipment warranty. Wind energy systems that malfunction due to a lack of maintenance or were previously supported by Focus on Energy are not eligible for additional funding. The method by which a Cash-Back Reward for a repair on an existing wind system is calculated is identical to the reward calculation for a new wind system (see above).

\* Nonprofit groups must file a federal IRS form 990 or equivalent.

## SYSTEM REQUIREMENTS

1. **Grid-Connected.** The system must be connected to the electric utility distribution grid, but can include a battery back-up system.
2. **New or Remanufactured Equipment.** Equipment, including the wind machine and the tower, can be new or remanufactured. Towers can be used, but must include new hardware and anchors. Remanufacture of the wind turbine must bring the equipment up to like-new specifications, and be done just prior to the installation funded by this Cash-Back Reward. Call 888.476.9534 and ask to speak with Focus on Energy's Wind Technical lead about criteria for remanufactured wind equipment. Inverters, controllers and batteries for grid-tied systems with battery backup must be new.
3. **Eligible Turbines.** In order for a new wind system to be eligible for Focus on Energy Rewards, the wind machine must be listed below
  - Abundant Renewable Energy 110
  - Abundant Renewable Energy 442
  - Bergy Windpower XL.1
  - Bergy Windpower Excel-S
  - Endurance S-250
  - Gaia-Wind 11kW
  - Proven Engineering WT2500
  - Proven Engineering WT6000
  - Proven Engineering WT15000
  - Skystream 3.7
  - Southwest Windpower Whisper 100
  - Southwest Windpower Whisper 200
  - Southwest Windpower Whisper 500
  - Wind Turbine Industries Jacobs 31-20
4. **Wind Speed Logger and Anemometer.** A cup anemometer must be mounted on the wind tower one rotor diameter below the hub height of the wind turbine. The anemometer must be installed on at least a four foot boom in the approximate direction of the annual prevailing winds. The anemometer must be connected to a wind speed data logger of the owner's choice.
5. **System Performance Meter.** A kilowatt-hour meter and meter base must be installed between the inverter and the AC circuit breaker for the system.
6. **Two-Year Installation Warranty.** The new wind system or repairs to an existing wind system must include at least a two-year installation warranty that covers any defect in the workmanship of the installation at no charge to the owner. Self-installed systems do not require an installation warranty.
7. **One-Year Equipment Warranty.** All major system components (new or remanufactured) on new or repaired wind systems must have at least a one-year warranty.

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## TERMS AND CONDITIONS

- Eligibility.** Businesses, organizations, institutions, and federal, state, county, local or tribal governments and residents are eligible for Focus on Energy incentives if they purchase electricity from an electric provider participating with Focus on Energy. For a list of participating providers visit, [focusonenergy.com/utilities](http://focusonenergy.com/utilities).
- System Location.** The renewable energy system must be installed on a site whose owner purchases electricity from an electric provider participating with Focus on Energy for that site.
- Approval.** An application for a Cash-Back Reward must be approved by Focus on Energy before any equipment is ordered, purchased or installed. Within 30 days after we receive a complete application, you will be mailed a letter notifying you if your application has been approved. Installation prior to Focus on Energy approval may render your project ineligible for funding.
- System Requirements.** The renewable energy system must be designed and installed to meet the "System Requirements" described in this application. The renewable energy system must comply with all applicable federal, state and local codes governing the installation and operation of renewable energy systems. Self-installed systems are likely to be inspected by Focus on Energy staff to ensure that the installed system is consistent with codes and standards. Program staff will evaluate systems using the National Electric Code as a guide.
- Repairs Are Eligible.** The repair of a non-functioning wind electric system is eligible. The wind system must have a two-year installation warranty and a one-year equipment warranty. Wind systems that malfunctioned due to a lack of maintenance or were previously supported by Focus on Energy are not eligible.
- Permits.** Within 30 days of your application's approval you must have applied for the required building and/or conditional use permits for your wind system and after 90 days the required permits must be secured. If either of these conditions is not met, the Focus on Energy Program may terminate your Cash-Back Reward. You will receive a warning letter 30 days before your reward is cancelled.
- One-Year Project Deadline.** The renewable energy system must be installed and the Notice of Installation submitted within one year. Projects that take more than six months to complete must submit a progress report after six months noting substantial progress toward installation, including copies of receipts for equipment or a signed installation contract. If the installation does not meet the one-year timeline Focus on Energy may terminate your reward. You will receive a warning letter 30 days before your reward is canceled. Requests for extensions beyond the twelve-month period must be submitted in writing to Focus on Energy at the address noted on the bottom of the page.
- Notice of Installation.** The Cash-Back Reward will be paid after the system has been installed and a complete Notice of Installation has been submitted. Dated invoices or receipts for all projects must be submitted with the Notice of Installation. Only costs directly linked to the renewable energy system are eligible. The Cash-Back Reward will be paid within 60 days of receipt and acceptance of the Notice of Installation.
- System Operation.** The Cash-Back Reward recipient agrees to operate the renewable energy equipment, at the location proposed and as described in the grant application, for a period of at least three (3) years.
- Additional Terms.** Focus on Energy reserves the right to:
  - Withhold payment until any identified problems with the renewable energy system are resolved
  - Terminate this reward in whole or in part due to the recipient's failure to fulfill the terms and conditions in this document, or due to non-appropriation of necessary funds
  - Alter or discontinue the Cash-Back Reward program at any time without notice
  - Make the final determination on whether items meet the standards set forth in the program
  - Inspect the system to ensure that it is consistent with all "Terms and Conditions"
  - Monitor or evaluate the performance of the system for a period of two (2) years
- Privacy.** Focus on Energy reserves the right to publicize your participation in this program, unless you specifically request otherwise.
- Disclaimer.** Acceptance of this Cash-Back Reward does not constitute the approval, acceptance, warranty, guarantee or endorsement of Focus on Energy or Wisconsin Energy Conservation Corporation.

**Please Note: This completed form must be submitted and approved by Focus on Energy before any equipment is ordered, purchased or installed.**

## OWNER/CONTACT SIGNATURE

I certify that I have performed or reviewed this application and any accompanying documentation, and the information is reasonable and accurate. I further certify the unit(s) is to be installed at the indicated installation address. I have read the terms and conditions associated with this program.

Owner/Contact Signature

Date

- Periodically, Focus on Energy evaluates program efficacy by monitoring energy use / production prior to and after installation of renewable energy system(s). Your signature provides Focus on Energy approval to obtain energy data directly from your electric and/or natural gas provider(s). If you prefer not to grant Focus on Energy access to your electric / natural gas records, please check the "Opt Out" box.  Opt Out
- Focus on Energy representatives promote the program and renewable energy in Wisconsin through the use of photos, project descriptions and general project locations during public presentations and verbal or written conversations with interested parties. Your signature provides Focus on Energy approval to use photos, provide a general description and reference the general location of your project for the purposes described above. If you prefer not to grant Focus on Energy the right to use your project information as described above without first obtaining your consent, please check the "Consent Required" box.  Consent Required

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