

Wind Electric System Cash-Back Reward Pre-Approval Application

Projects 20 kilowatts capacity or less

Valid through December 31, 2005

Steps to Apply for a Cash-Back Reward:

1. A site assessment for a wind electric system must be completed by a certified wind site assessor before you apply for a Cash-Back Reward. Contact Focus on Energy at 800.762.7077 for information about renewable energy site assessments.
2. Get a bid for equipment and installation from an installation contractor (wind electric systems can be self-installed). If you have not already chosen an installation contractor, you can contact Focus on Energy at 800.762.7077 for assistance.
3. Make sure you or your installation contractor designs and prices the system according to the system requirements specified in this application.
4. Complete and mail this application to the address below. You must include a copy of the bid for equipment and/or installation, and a copy of the site assessment.
- 5. Do not purchase, order, or install any equipment until you have been notified that your application has been approved!**
6. Within 30 days after we receive a complete application, we will notify you if your application has been approved. We will also include a Notice of Installation that you will need to fill out and send in after your system has been installed.
7. Install the system and ensure installation meets all applicable state and national codes, including the National Electric Code (you have one year to install the system and submit the Notice of Installation).
8. To receive the Cash-Back Reward payment, send the Notice of Installation to:
Focus on Energy
ATTN: Renewable Energy Cash-Back Rewards
211 S. Paterson Street, Third Floor
Madison, WI 53703

Questions regarding this application should be directed to Focus on Energy at 800.762.7077.

APPLICANT INFORMATION- Complete all appropriate fields.

Company/Organization (please print)				Federal I.D. NO. (FEIN)			
<input type="checkbox"/> Individual/Sole proprietor		<input type="checkbox"/> Corporation		<input type="checkbox"/> Partnership		<input type="checkbox"/> Other	
Mailing address: Street (no P.O. boxes)			City		State	Zip	County
Contact Name (or name of residential owner)							
Owner / Contact's phone number () -		Owner / Contact's Fax number () -		Owner / Contact's E-mail			
Installation address (no P.O. Boxes)			City		State	Zip	County
Electric utility at installation address				Space heating fuel supplier at installation address			
Current space heating fuel type <input type="checkbox"/> Natural gas <input type="checkbox"/> Propane (LP) <input type="checkbox"/> Oil <input type="checkbox"/> Electric <input type="checkbox"/> Other _____							

INSTALLATION CONTRACTOR INFORMATION

Company installing the system		Company phone number () -		Company fax number () -			
Mailing address: Street			City		State	Zip	
Contact				E-mail			

EQUIPMENT INFORMATION-

Cost of renewable energy system- Attach bid

Manufacturer	Model number	Estimated installation date	Estimated installed price
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Design details- Attach site assessment

Hub height feet	Average hub height wind speed miles per hour	Prevailing wind direction
Source of wind speed data		Will this system be connected to a utility grid? <input type="checkbox"/> Yes <input type="checkbox"/> No
Describe the exposure of the site relative to surrounding terrain and tree lines		
List the height and compass direction of the tallest obstacles within 500 feet of the site.		
List the height, compass direction, and distance to nearby tree lines.		
Include 8 photographs taken from the proposed location of the tower looking in the following directions: N, NE, E, SE, S, SW, W, and NW		

Cash-Back Reward estimate- Reward will not exceed \$35,000.00 or 25% of project cost

Estimated annual electricity produced	x	Multiply by reward factor	=	Estimated reward
_____ kilowatt-hours (kWh)	x	\$_____ per kWh	=	\$_____

Project information- To be completed by Focus on Energy staff only.

Project number	Application received by	Date received
Energy production estimate (show units)	Cash-Back Reward estimate	<input type="checkbox"/> HPES <input type="checkbox"/> WESH <input type="checkbox"/> ACES <input type="checkbox"/> WREN
Cash-Back Reward approved <input type="checkbox"/> Yes <input type="checkbox"/> No	Cash-Back Reward approved by	Date approved

Instructions:

All of the requested information on Cash-Back Reward application must be completed. Most of this information can be taken from the required site assessment, **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 installation date: Enter the date you anticipate the system will be installed.

Estimated installed price: Enter your anticipated total cost of the system, including all equipment and labor.

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 area tree line.

Average hub height wind speed: Enter the average wind speed at the height of the wind machine hub.

Prevailing wind direction: Enter the direction from which the prevailing winds blow at your site, as affected by local obstacles and tree lines.

Source of wind speed data: Enter the name of the source of the wind speed data.

Site topography description: Describe the site where the wind machine will be installed. Is the site flat, on a hill, a valley? Are there any hills, trees, crops, or buildings nearby?

List the height and compass direction of the tallest obstacles within 500 feet of the site: Tall objects near your site could affect energy production. Please list the height and the compass direction of all objects within 500 feet of the site of the wind machine.

List the height, compass direction and distance to nearby tree line: Enter the height of nearby tree lines, their compass directions and their distance from your site.

Photographs: Include 8 photographs taken from the proposed location of the tower looking in the following directions: N, NE, E, SE, S, SW, W, and NW

Estimated annual electricity produced: Enter the annual electricity produced, in kilowatt-hours, by the proposed system.

Cash-Back Reward estimate: Use the following table to determine the "Reward Factor" for your wind machine. Then multiply the estimate of annual electricity produced by the Reward Factor to estimate the size of your Cash- Back Reward. Focus on Energy will check your estimate, which may change the size of your Cash-Back Reward.

<u>Manufacturer</u>	<u>Model</u>	<u>Rotor Diameter (feet)</u>	<u>Reward Factor (\$ per kWh)</u>
Southwest Windpower	Whisper H40	7.0	\$1.85
Bergey Windpower	XL1	8.2	\$1.85
Proven Engineering	WT600	8.4	\$1.85
Southwest Windpower	Whisper H80	10.0	\$1.80
Proven Engineering	WT2500	11.5	\$1.60
African Windpower	AWP 3.6	11.8	\$1.55
Jacobs	Short or Long Case	14.0	\$1.25
Southwest Windpower	Whisper 175	14.0	\$1.20
Proven Engineering	WT6000	18.0	\$0.95
Bergey Windpower	Excel (R, S, PD)	23.0	\$0.95
Wind Turbine Industries	Jacobs 31-20	31.0	\$0.35

System Requirements:

- 1. New or Used Equipment.** Equipment, including the wind machine and the tower, can be new or used. For off-grid systems or grid-tied systems with battery back up, the inverter, controller, and batteries must be new.
- 2. System Performance Anemometer.** A cup anemometer (NRG #40 Maximum or equivalent) is required to be installed for system performance verification. The anemometer must be mounted on the wind tower one rotor diameter below the hub of the wind turbine. The anemometer must be installed on at least a 4 foot boom in the approximate direction of the annual prevailing winds. The anemometer must be terminated, with appropriate weather resistant instrument cable, at a weather resistant junction box mounted in an accessible position at the base of the tower. The applicant may wish to interconnect this anemometer to a display and/or recording instrument - not required.
- 3. System Performance Meter.** For grid-connected systems, a kilowatt-hour meter and meter base must be installed between the inverter and the AC circuit breaker for the system.
- 4. Two-year Installation Warranty.** The 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.
- 5. One-year Equipment Warranty.** All major system components must have at least a one-year warranty.

Terms and Conditions:

1. **Eligibility.** Eligible customers for a Cash-Back Reward must be located in the service territory of a participating electric provider. Customers of some cooperative or municipal utilities may not be eligible. State and federal projects are not eligible. Contact Focus on Energy at 800.762.7077 if you have questions regarding eligibility.
2. **Location of System.** The renewable energy system must be installed on the property of an eligible customer, and the property must be located in the service territory of a participating electric provider. The renewable energy system can be off-grid (not connected to a utility).
3. **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, we will send you a letter notifying you if your application has been approved.
4. **Amount of the Cash-Back Reward.** The Cash-Back Reward for wind electric systems will not exceed 25 percent of project costs or \$35,000.
5. **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 insure that the installed system is consistent with codes and standards. Program staff will evaluate systems using the National Electric Code as a guide.
6. **Expansion of Existing System.** Expansions of existing renewable energy systems are eligible for a Cash-Back Reward, provided the expansion results in the production of additional energy.
7. **Repairs Are Eligible.** The repair of non-functioning wind turbines is eligible. Cash-Back Reward applications for repairs must include a detailed cost quote breaking out the repair needs. The turbine must have a two year installation warranty and a one year equipment warranty. Wind energy systems that malfunctioned due to a lack of maintenance or were previously supported by Focus on Energy are not eligible.
8. **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, such as copies of receipts for equipment or a signed installation contract. If after six months there has been no substantial progress toward project completion, Focus on Energy reserves the right to terminate the reward.
9. **Notice of Installation.** The Cash-Back Reward will be paid after the system has been installed and you have submitted a Notice of Installation. The Cash-Back Reward will be paid within 60 days of receipt and acceptance of the Notice of Installation. The Notice of Installation must include:
 - a. Copies of all bills from the installation contractor (or subcontractors, if any), or receipts for equipment for self-installed wind electric systems;
 - b. For grid-connected electric systems, a copy of the signed interconnection agreement with your electric utility;
 - c. Copies of warranties for used, major system components and system installation (no installation warranty required for self-installed wind electric systems);
10. **Additional Terms.** Focus on Energy reserves the right to:
 - a. Withhold payment until any identified problems with the renewable energy system are resolved;
 - b. 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, or if the State of Wisconsin terminates Wisconsin Energy Conservation Corporation's contract to act as administrator for Focus on Energy;
 - c. Alter or discontinue the Cash-Back Reward program or any specific Cash-Back Reward offer at any time without notice;
 - d. Make the final determination on whether items meet the standards set forth in the program;
 - e. Inspect the system to ensure that it is consistent with program guidelines.
 - f. Monitor or evaluate the performance of the system for a period of two (2) years.
11. **Privacy.** Information provided to Focus on Energy is not confidential. Your name and reward information may be used in various communications to the media. A representative of Focus on Energy will contact you before we use your name in any media communications.
12. **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.

SIGNATURE

This completed form must be submitted and approved by Focus on Energy before any equipment is ordered, purchased or installed. I certify that I have performed or reviewed this analysis and any accompanying documentation, and the information is reasonable and accurate. I further certify unit(s) is to be installed at the address indicated above. I have read the terms and conditions associated with this program. I am providing the requested information solely to be eligible to participate in this program and request that the personal information supplied by me be treated as confidential to the maximum extent possible.

Signature:

Date: