



State of New Hampshire
 Department of Energy
 21 S. Fruit Street, Suite 10, Concord, NH 03301-2429

STEP 1

INCENTIVE PRE-APPROVAL APPLICATION

FOR RESIDENTIAL RENEWABLE ELECTRICAL GENERATION SYSTEMS

Any New Hampshire resident seeking an incentive payment from the Department of Energy (Department) for an on-grid renewable electric generation system (or “renewable energy system”) located on or at the owner’s residence, that begins operation after July 1, 2008 may obtain the Department’s pre-approval of the installation by submitting a complete Step 1 application that meets the program terms and conditions set forth in Appendix A to this application. Pre-approval will reserve your place in the funding queue. Once the facility has been installed at the owner’s residence, the owner must then complete the incentive application process by submitting a Step 2: Final Incentive Request application. The incentive pre-approval expires 9 months from the date the Step 1 application is approved.

Residential owners who choose to install systems prior to Department approval may still apply for the incentive by submitting only a Step 2 application, but the application is subject to Department approval and availability of funds.

During the COVID-19 state of emergency, applications may be submitted electronically to the Department of Energy at ResElectRebate@energy.nh.gov. Applications must also be submitted in a hard copy.

Please send the original application and all associated documents to:

New Hampshire Department of Energy
 21 S. Fruit Street, Suite 10
 Concord, NH 03301-2429

A. APPLICANT INFORMATION

Name: _____

Mailing Address: _____

Town/City: _____ State: ____ Zip Code: _____

Telephone: _____ Cell: _____

Email: _____ Electric Utility: _____

Installation Address (if different): _____

Town/City: _____ State: ____ Zip Code: _____

Has an energy audit been performed and/or energy efficiency measures implemented? **YES** **NO**

If yes, please summarize activities: _____

If you would like to learn more about energy efficiency, please visit www.nhsaves.com and www.energystar.gov.

B. INSTALLATION INFORMATION

Anticipated Start Date: _____ Anticipated Completion Date: _____

Installer *(if not self-installed)*

Installation Company: _____

Contact Name: _____

Mailing Address: _____

Town/City: _____ State: _____ Zip Code: _____

Telephone: _____ Email: _____

Electrician

Electrician Name *(if different than installer)*: _____

Company: _____

NH Electrician License Number: _____

C. TECHNOLOGY: **PHOTOVOLTAIC** *(below)* **WIND** *(Appendix B)*

Photovoltaic System Information

Panel Manufacturer: _____

1) Panel Wattage (DC watts): _____

2) Number of Panels: _____

3) Anticipated System Size (watts DC): _____

Panels are UL 1703 listed: **YES** **NO** *(System is not eligible for an incentive.)*

Inverter Manufacturer: _____ Model Number: _____

Number of Inverters: _____

Inverter(s) comply with IEEE 1547 and UL 1741: **YES** **NO** *(System is not eligible for an incentive.)*

System Mounting: **Roof** **Ground** **Pole** **Pole (Tracker)**

Percent of Optimal Photovoltaic Production

Total Solar Resource Fraction (TSRF) is the estimated performance fraction of your system when considering system tilt, orientation (azimuth) and shading as compared to the optimal performance for a system of that size. Under program guidelines, TSRF should be 80% or above. It is important to review production projections with your installer so that you fully understand the expected performance of your system as well as opportunities to improve performance.

I certify that I have reviewed a quantified shading analysis and production projections for my system with my installer and fully understand the projected performance of my system.

Resident Initials: _____

I have reviewed a quantified shading analysis and the TSRF projections with the above applicant.

Installer Initials: _____

D. REQUIRED ATTACHMENTS

The following items (copies) must be attached to the application:

Attached

- 1) Panoramic photos or satellite image of the installation site
- 2) Quantified shading analysis
- 3) Professional wind analysis, wind study, or other method of assessing wind speed
(*wind projects only*)

Documentation that the system meets local zoning regulations must be provided with the *Step 2 Final Incentive Request Application* in the form of a copy of the electrical or building permit where available.

E. INCENTIVE CALCULATION

- 1) Total System Cost (less any self-installer labor costs or used equipment): _____
- 2) System Capacity (Total DC Wattage or Manufacturer's Power Rating at 11m/s): _____
- 3) System Capacity X \$0.20/Watt DC = _____
- 4) Total Requested Incentive: _____

For number 4 enter **30% of number 1, or 100 % of number 3, or \$1,000**, whichever is less (i.e., \$1,000 maximum).

F. DECLARATION

The Undersigned applicant declares under penalty of perjury that:

- 1) the applicant intends to purchase and install the renewable energy system described in this application;
- 2) the applicant has read and understands the terms and conditions set forth in Appendix A to this application and has agreed to comply with each and all of those requirements;
- 3) the information provided in this application is true and correct to the best of the applicant's knowledge and belief; and
- 4) the applicant agrees that the system and documents supporting this application may be audited and inspected by the Department of Energy.

Applicant's Signature: _____ Date: _____

Only one signature needed per household.

For questions regarding this rebate program, see the incentive program FAQ website at: <http://www.puc.nh.gov/Sustainable%20Energy/RenewableEnergyRebates-SREG.html>, or contact the Department of Energy at ResElectRebate@energy.nh.gov or (603)271-3670.

APPENDIX A

TERMS AND CONDITIONS

Please read the Terms and Conditions carefully prior to completing the application.

1. This program is administered in accordance with RSA 362-F:10. Any applicant requesting an incentive payment for any renewable energy system is responsible for meeting all terms and conditions of the program.
2. Applicants must register as a State of New Hampshire Vendor and complete a Step 2: Final Incentive Request Form to receive an incentive payment.
3. To be eligible for a one-time incentive payment, the renewable energy systems must qualify as Class I or Class II sources of electricity in accordance with RSA 362-F. Qualifying systems include solar photovoltaic (PV) systems and wind turbines, but not solar hot water systems, geothermal heating and cooling systems, or any other renewable energy system that does not generate electricity. Off-grid renewable energy system installations do NOT qualify for incentives.
4. The renewable energy system must be located on or at the applicant's New Hampshire residence, which may include a second home that the residential owner occupies at least part of the year.
5. **An addition to an existing renewable energy system may qualify for an incentive payment only if the renewable energy system has not previously qualified for an incentive under this program. Replacement of an existing facility will not qualify for an incentive.**
6. Residents who choose to install systems, in whole or in part, prior to approval by the Department of Energy may still apply for this incentive payment by submitting only a Step 2 application form.
7. Solar PV panels must be certified by a nationally-recognized testing laboratory as meeting the requirements of UL 1703.
8. Inverters must comply with IEEE 1547 and be certified by a nationally recognized testing laboratory as meeting the requirements of UL 1741.
9. Wind turbines must be mounted at least 30 feet above any physical wind barriers within a 500-foot radius. Roof-mounted wind turbines are not eligible for an incentive payment at this time.
10. The renewable energy project shall comply with all applicable manufacturers' requirements and all applicable statutes, regulations, rules, ordinances, codes, and orders of any federal, state, county, or municipal authorities that impose any legal obligations or duties upon the project, including the acquisition of any and all necessary permits and approvals.
11. Interconnection of the renewable energy system with the applicant's electric utility must comply with the terms of the Interconnection Agreement and the Puc 900 Net Metering Rules, as well as any applicable tariffs governing interconnection.
12. Any renewable energy system is subject to inspection and monitoring by the Department of Energy, the State Fire Marshal, and local code authorities or their agents for safety and performance in addition to any monitoring prescribed in the interconnection agreement between the electric utility and the owner of the facility.
13. The incentive payment is **\$0.20** per Watt and is capped at a maximum of **\$1,000.00** or 30% of the total cost of the facility, whichever is less. Used parts or self-installer labor cannot be included in the cost of the facility.
14. The Step 2: Final Incentive Request form must be submitted after the installation is complete and interconnected, and within 9 months of the date that the incentive pre-approval (Step 1) application, if any, was approved. Applicants may submit only a Step 2 application form if the installation is already interconnected and operational.
15. Incentives are subject to the availability of funds received by the Department under RSA 362-F; complete applications will be processed in the order in which they are received, except as otherwise directed by the Department to be ordered through a public lottery or other process.
16. All program requirements and documentation must be complete and submitted in order to receive approval for an incentive payment. Payment of the incentive may be subject to Department of Energy inspection of the facility to confirm that the system is operational and consistent with the application.
17. Certain information, including applicants' names, addresses, system details and total installed costs of systems installed with program support, may be available to the public and may be publicly posted. Additional information may be released upon formal request. Additional specific personal information, including telephone numbers and email address, will remain confidential to the extent permitted under state law.
18. The Department of Energy reserves the right to request system performance data for a period of ten (10) years after issuing the incentive. The incentive recipient is strongly encouraged to install a utility grade production meter to monitor and record system output. Installation of a utility grade production meter is also necessary for the system to qualify for renewable energy certificates pursuant to the Puc 2500 Administrative Rules for the Electric Renewable Portfolio Standard, adopted pursuant to RSA 362-F.
19. The incentive recipient may be liable to the State of New Hampshire for the entire incentive amount if it is obtained fraudulently or otherwise based on a misrepresentation of material facts and circumstances.
20. Applicants must register for a New Hampshire Vendor ID number to be eligible for an incentive payment. Any incentive received under this program may be treated as taxable income by the Internal Revenue Service. It is the responsibility of the recipient of this incentive to consult with his or her tax advisor to determine the correct tax treatment of these payments.

APPENDIX B

Wind System Information

Turbine Manufacturer: _____ Model Number: _____

- 1) Manufacturer's Power Rating of Turbine at 11m/s or 24.6 mph: _____watts
- 2) Number of Turbines: _____
- 3) Anticipated System Size (watts DC): _____

Inverter Manufacturer: _____ Model Number: _____

Number of Inverters: _____

The inverter(s) comply with IEEE 1547 and UL 1741: **YES** **NO** (System is not eligible for an incentive.)

Tower Manufacturer: _____ Model Number: _____

Tower Height: _____ Height Above Tree Line: _____

Tower Type: **Single Pole** **Guyed**

Average wind speed at installation site (if known): _____ mph

Please describe method of assessing wind resources: _____

Note: To minimize turbulence, all wind turbines must be mounted on the ground and at least 30 feet above any physical wind barrier within a 500 foot radius. The average wind speed at the installation site should be at least 10 mph. The Department of Energy strongly recommends that the applicant evaluate the wind resources at the proposed installation site using a source other than a wind map. Small wind turbines have encountered difficulties in New England and New Hampshire partly due to misjudged and highly variable wind speeds and turbulence.