



NJCEP Renewable Energy Incentive Program (REIP) Wind (EPBB and IWTI) Pre-Application & Application Checklist

Welcome to *New Jersey's Clean Energy Program™* (NJCEP) sponsored by the New Jersey Board of Public Utilities. The Renewable Energy Incentive Program (REIP) for wind is a smart way for New Jersey residents, municipalities, farms, and businesses to reduce their carbon footprint, stabilize electric costs, preserve natural resources, and support the economy. The REIP offers financial and technical assistance for applicants interested in investing in wind energy equipment, also referred to as wind turbines, to help offset their electricity load at their home or business.

Potential applicants can submit a pre-application packet to have administrative staff evaluate the proposed site's wind potential and estimate the rebate amount. This information is used to assist potential applicants in evaluating the economic benefit of installing a wind energy generating system. The Pre-Application alone does not reserve the rebate for you. In order to be considered for a rebate, the Pre-Application and the Application must be submitted to the program administrators for a full evaluation.

The REIP uses a method called the **Expected Performance Based Buy-down (EPBB)** to calculate the wind incentive for approved turbines. The EPBB method helps ensure that rebates are calculated and paid based upon the expected energy production of the installed wind turbine. The EPBB estimates the kWh output for a wind turbine at a given location based on the documented wind speed at that location. The associated power output of the turbine is determined using the turbine's power curve at that wind speed. Incentive rates are designed to produce higher rebates for projects that maximize the power production at that wind speed and associated hub height. NJCEP publishes the list of approved turbines for the REIP Wind Incentive Program and only turbines listed on the approved turbine list can participate in the EPBB.

With the program approval supplied by the NJBPU for 2011, applicants interested in turbines not on the approved list can participate in the REIP through the [Innovative Wind Technology Incentive \(IWTI\)](#). The IWTI is designed to support the growth of wind turbine technologies that do not meet all the EPBB requirements. This would include non-listed horizontal axis turbines, listed horizontal axis turbines that will not be installed to conform to current program requirements, vertical axis wind turbines (VAWT), and other new technology turbines. Projects using these technologies will be eligible to earn an incentive under the IWTI methodology. If approved for the IWTI, the incentive payment will be estimated using the EPBB, and paid based on quarterly production data for the first year of turbine operation upon verification of metered data on actual performance of the turbine supplied by the installer. For more information visit: www.njcleanenergy.com/renewable-energy/technologies/wind/innovative-wind-technology-incentive.

Also new in 2011 is a Wind Feasibility Study Incentive. The [Feasibility Study Incentive](#) is designed to promote development of commercial-scale, customer-sited wind energy projects by offering an incentive during the feasibility phase of the project. A feasibility study is a compilation of analytical tools and assessments that assist in determining the viability of a project. The incentive will provide financial support for sound engineering, financial, and legal analysis of non-residential projects greater than 100 kW to help improve the likelihood of the systems being built. It will also provide an opportunity for companies interested in pursuing wind technology projects to evaluate the feasibility of the projects without incurring all the financial burden. For more information visit: www.njcleanenergy.com/renewable-energy/technologies/wind/wind-and-biopower-feasibility-studies.

Mail or hand deliver application to:
(Faxes or e-mail are not accepted)

Renewable Energy Incentive Program
New Jersey's Clean Energy Program
c/o Conservation Services Group
75 Lincoln Highway, Suite 100
Iselin, NJ 08830



NJCEP Renewable Energy Incentive Program (REIP) Wind (EPBB and IWTI) Pre-Application & Application Checklist

If you have not already done so, it is important that you contact your local planning and zoning boards to gain approvals for installing wind equipment as soon as possible. Since the permitting process can be lengthy and rebate commitments are finite with no guarantee of extensions, it is in the best interest of applicants to have permitting accomplished before application submission. The NJCEP publishes a list of adopted small wind ordinances by municipalities in NJ. These ordinances can serve as valuable resources to help your municipality approve your installation. For more information on the Model Ordinance and lists of towns that have adopted a model ordinance go to: <http://www.njcleanenergy.com/renewable-energy/technologies/wind/small-wind-systems/small-wind-systems>

If you submit a complete Pre-Application, you will receive a pre-approval letter within 3 weeks of receipt. If you submit a complete Wind Application including the Pre-Application and Full Application, you will receive a Rebate Approval Letter within 4 - 6 weeks of receipt.

For assistance on the application process please contact Joanne Bachmann at 732-218-4430 or Joanne.Bachmann@veic-nj.org.

Mail or hand deliver application to:
(Faxes or e-mail are not accepted)

Renewable Energy Incentive Program
New Jersey's Clean Energy Program
c/o Conservation Services Group
75 Lincoln Highway, Suite 100
Iselin, NJ 08830



NJCEP Renewable Energy Incentive Program (REIP) Wind (EPBB and IWTI) Pre-Application & Application Checklist

Listed below is the documentation required when submitting a Pre-Application packet or Application packet.

Pre-Application packet must include:

- Completed Pre-Application Wind Equipment form (Do not complete the incentive request calculation section)
- Printouts of the average annual wind speed at 50 meters using the NASA windmap: Visit <http://eosweb.larc.nasa.gov/cgi-bin/sse/grid.cgi>
- It is strongly recommended that you include a printout of the average annual wind speed at 50 meters using at least one of the two fee-based wind resource maps listed below: (The wind REIP program uses the average of the wind speed results from each wind map). If only the NASA wind map is provided, the wind speed will be reduced to reflect a more realistic result when using only one wind map and consequently will result in a lower incentive rebate.
 - o <http://www.3tier.com/firstlook/>
 - o <https://www.windnavigator.com/cms/>
- A one-page site map must accompany this pre-application submittal. This document can be an **overhead view drawing or a single line electrical diagram**. It must indicate the location of the wind turbine(s), any obstructions within 500 feet of the turbine and the obstructions associated heights and distance from the turbine(s). The applicant must show that the entire rotor diameter be 30 feet above any obstructions within 500 feet. If this is not possible, a wind site assessment will be required by a certified wind site assessor. The installation address must be included on this site map. If site elevation changes more than 10 feet within the 500 foot radius, then a site topographical map must also be included.
- For Innovative Wind Technology Incentive, applicants must include the 3rd party certified power curve for the turbine.

Application packet must include:

- Completed REIP Application with all appropriate signatures and SSN / EIN
- All documents listed in the Pre-Application packet unless you did submit the Pre-Application packet separately at an earlier date and nothing has changed with your planned system or site.
- Completed REIP Technical Worksheet – Wind Equipment (Do not complete the incentive calculation section)
- Copy of recent electric bills with yearly usage in kilowatt hours or copies of monthly electric bills (last bill within 3 months) for the previous 12 months. **Proof of electric or gas regulated utility account is required to process the rebate application.**
- Eight photographs of the proposed installation site showing a panoramic view starting facing north and consecutive pictures at each 45 degree position on the compass.
- Copy of ten-year certification addendum signed by both the applicant and the installer. This document states that the applicant agrees to repay a pro-rated share of the rebate received if the installed equipment is sold, moved, or transferred outside of the state of New Jersey within 10 years of the rebate payment date.
- Copy of the contract signed by both the applicant and installer or the applicant and the Power Purchase Agreement (PPA) provider. This agreement should reflect the current rebate levels.

Mail or hand deliver application to:
(Faxes or e-mail are not accepted)

Renewable Energy Incentive Program
New Jersey's Clean Energy Program
c/o Conservation Services Group
75 Lincoln Highway, Suite 100
Iselin, NJ 08830