



The Atlantic County Utilities Authority's wind energy project includes five 1.5 MW turbines visible from the Atlantic City Expressway.

Offshore Wind

In addition to energy generated by land-based wind projects, there is significant large-scale wind offshore where the wind resources are much stronger. New Jersey has conducted wind studies investigating the feasibility of utility-scale wind energy development in the waters offshore of New Jersey. The New Jersey Board of Public Utilities is working with the New Jersey Department of Environmental Protection and the U.S. Department of Interior to support development activities including funding of offshore wind meteorological stations.

Small Wind Working Group and Small Wind Model Ordinance

New Jersey's *Small Wind Working Group* provides information and resources for those interested in learning about wind energy and financial incentives offered through *New Jersey's Clean Energy Program*. With funding from the U.S. Department of Energy, the Small Wind Working Group developed the Small Wind Model Ordinance that is available to all municipalities to help facilitate the zoning and permitting process.

Reduce your energy usage

Adoption of clean, renewable energy marks a big step toward climate change solutions. However, the cleanest kilowatt is the one not used.

New Jersey's Clean Energy Program offers energy efficiency programs, information, and resources to help residents, businesses, municipalities, and other organizations reduce their energy consumption. By implementing energy efficiency measures first, you not only reduce your overall energy use, but you may also reduce the amount of renewable energy capacity that you need, saving you money for years to come. Visit NJCleanEnergy.com to see how to start.

Learn about more renewable energy options

Additional renewable energy technologies, including solar and biopower, can help us meet our energy goals and reduce our use of fossil fuels.

For more information, technical support, and incentives for wind, biopower, and solar initiatives, call **866-NJSMART** or log on to NJCleanEnergy.com/reip.



Wind Energy— A Breath of Fresh Air

Capture the power of wind for clean, renewable energy.



It's 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.



New Jersey is harnessing the power of the wind.

Residents, municipalities, farms, and businesses across New Jersey are already seeing the benefits of wind energy.

- Reduces pollution
- Lessens our dependence on fossil fuels
- Preserves natural resources
- Strengthens our commitment to our planet's future
- Supports local jobs and our State's economy

What is Wind Energy?

Wind is caused by the uneven heating of the earth's atmosphere by the sun. Wind energy can be converted to electricity when captured by the large blades that rotate a turbine.

Getting Started

The New Jersey Board of Public Utilities and *New Jersey's Clean Energy Program™* make it easy to get started by offering financial and technical assistance. The first step is to find a contractor. A list of wind energy contractors who have completed a minimum of three New Jersey-based projects can be found at NJCleanEnergy.com/findavendor. Certified Wind Site Assessors are also available to help you figure out if wind energy is right for you.

The second step is to submit a pre-application package for your wind energy system. The wind pre-application includes equipment information that will be used to calculate the rebate. Pre-applications can be found at NJCleanEnergy.com/reipapps.



Financing Your System

Rebates - New Jersey's *Renewable Energy Incentive Program* (REIP) provides rebates that reduce the upfront cost of installing wind energy. Unlike solar and biopower, wind energy rebates are based on expected energy production, not capacity. The estimated performance of a specific turbine is determined by the height of that turbine and the wind speed at that location. In addition to wind energy installation rebates, incentives may also be available for wind energy feasibility studies. See NJCleanEnergy.com for current incentive levels, application forms, and eligibility and feasibility study information.

Tax Credits - A 30 percent federal investment tax credit may be available for residents on the net cost of the wind energy system. A 30 percent federal investment tax credit may also be available for businesses with wind energy systems on the gross cost of the system. Businesses with large



Ocean Gate was the first municipality in New Jersey to adopt the Small Wind Model Ordinance.

wind energy systems may be eligible for a federal production tax credit. Visit dsireusa.org for more information about federal tax incentives or speak with a tax specialist.

Class 1 RECs - All renewable energy project owners in New Jersey with electric distribution grid-connected systems are eligible to generate Class I Renewable Energy Certificates (RECs). RECs can be sold or traded separately from the power, providing systems owners with a recurring source of revenue to help offset the cost of installation, operations, and maintenance.

Net Metering - This allows qualified customers to receive full retail credit for electrical generation on an annual basis. Each year, on the anniversary of the system's interconnection, the customer will be compensated for any unused credit at the cost of wholesale power.