

New Jersey: A Clean Energy Leader

- ▶ As of July 31, 2010, 6,557 renewable energy installations totaling 229.5 megawatts (MW) of capacity have been installed through *New Jersey's Clean Energy Program* since its inception in 2001.
- ▶ The estimated annual reduction in CO₂ emissions from the New Jersey installed solar capacity as of December 2009 is equivalent to removing 20,812 cars from the road, or conserving almost 12.24 million gallons of gasoline, or supplying the electricity used by 14,136 homes for one year according to the US Environmental Protection Agency, Greenhouse Gas Equivalencies Calculator.
- ▶ *New Jersey's Clean Energy Program* has paid more than \$325 million in incentives to renewable energy projects since 2001. In addition to upfront rebates, *New Jersey's Clean Energy Program* has educated residents, businesses, and organizations about renewable energy technologies and assisted interested owners in developing projects.

Want to learn more?
Visit NJCleanEnergy.com.

New Jersey's Clean Energy Program

Join the thousands in New Jersey who have taken advantage of the programs, services, and incentives offered by *New Jersey's Clean Energy Program* that save energy and money, and reduce greenhouse gases. Now, more than ever, it makes good sense to adopt energy efficient practices, install energy-efficient equipment, and support and install renewable energy systems. Not only will your energy improvements contribute to the economy and environment of New Jersey, you'll also realize bottom-line savings.

Investing in *New Jersey's Clean Energy Program* gives residents and businesses the opportunity to help reduce energy usage and lower greenhouse gas emissions and is an important part of the Energy Master Plan to reduce overall energy consumption.

For additional information and energy saving tips and ideas, log on to
NJCleanEnergy.com
or call 866-NJSMART



Your Power to Save

njcleanenergy.com

New Jersey Board of Public Utilities

New Jersey's Clean Energy Program is a statewide program administered by the New Jersey Board of Public Utilities that promotes energy efficiency and renewable energy for all New Jersey ratepayers, including residences, businesses, schools, and municipalities.

For more information on incentives for clean energy and energy-efficient technologies for your home or business, please visit:

NJCleanEnergy.com or call 866-NJSMART.

New Jersey's Clean Energy Program
44 South Clinton Avenue, P.O. Box 350
Trenton, NJ 08625-0350



New Jersey's
Clean Energy
Program™
renewables





Thousands of New Jersey homeowners, businesses, and municipalities are incorporating clean, renewable energy into their everyday lives with help from New Jersey's Clean Energy Program.

You can take advantage of this program and realize tremendous savings in both energy and money. You'll also help reduce greenhouse gas emissions and their effects on climate change.

Whether it's for your home or your business, New Jersey's Clean Energy Program makes using renewable energy technologies affordable, practical, and just plain smart.

Visit NJCleanEnergy.com to see how you can get started today.

CleanPower Choice ProgramSM

Choose CleanPower. The *New Jersey CleanPower Choice Program* is an easy way for you to invest in renewable power technologies, such as wind, solar, hydro, and landfill gas without installing equipment at your home or business. By enrolling, you agree to pay just a little more on your regular electric bill. For the average New Jersey home, this could be an additional \$5.78 to \$14 per month depending on electricity usage. This investment supports research and development of clean renewable energy technologies for the future.

Renewable Energy Incentive Program (REIP)

Save money, energy and the environment by installing a renewable energy system. New Jersey's *Renewable Energy Incentive Program* (REIP) provides rebates* that reduce the upfront cost of installing renewable energy systems based on solar, wind, and sustainable biomass technologies.

Solar electric or photovoltaic technology converts sunlight directly into electricity whenever it strikes the electric modules or panels. More electricity is generated when the light is most intense (a sunny day) and strikes the solar electric system's modules directly.

Residents, schools, municipalities and non-profits may earn incentives for solar systems. Solar Renewable Energy Certificates (SRECs) can also provide a recurring source of revenue to help finance solar installation projects. Many local utility companies also provide additional solar financing programs.

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 a turbine. *New Jersey's Clean Energy Program* provides resources for those interested in learning about terrestrial sited wind generation and financial incentives offered.

Wind system rebates are based on the project's estimated energy production. In addition to wind energy installation incentives, incentives may also be available for wind energy feasibility studies.

Sustainable Biomass includes any organic matter that is available on a sustainable basis, such as food crops, grassy and woody plants, or the organic component of municipal and industrial waste. Sustainable biomass can be converted to gas, such as landfill gas or methane gas, through the process of gasification, direct combustion, pyrolysis, or anaerobic digestion. The gas is then used to create electricity by technologies like fuel cells, micro-turbines, and combustion turbines.

Biopower projects using sustainable biomass may be eligible for rebates. In addition, incentives may also be available for biopower feasibility studies.

See NJCleanEnergy.com for current incentive levels, application forms, and eligibility, feasibility study and energy efficiency information.

*REIP rebate amounts are subject to change without notice.

Energy Efficiency First

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 reduce 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 learn about:

- ▶ Rebates on ENERGY STAR® qualified appliances, lighting, and more.
- ▶ Incentives available for commercial, industrial, and municipal entities, as well as technical assistance and design support to integrate energy efficiency into facilities of every age and size.
- ▶ Calculators, online energy analysis, energy saving tips, and more will show you where and how you can improve your energy usage.
- ▶ *New Jersey's Community Partners Initiative*, a forum for communities to participate in statewide clean energy campaigns that educate residents, businesses, and municipalities on *New Jersey's Clean Energy Program*.

SRECs and the SREC Registration Program

Invest in renewable energy. New Jersey is one of the fastest growing markets for solar photovoltaics in the United States and one of the largest in terms of installations and installed capacity. Much of this success is due to New Jersey's solar financing model, which relies on high renewable energy standards and the use of SRECs.

Representing all of the clean energy benefits of a solar energy system, SRECs can be sold or traded separately from the power, providing solar system owners a recurring source of revenue to help offset the cost of installation. All solar project owners in New Jersey with electric distribution grid-connected systems are eligible to generate SRECs. Each time a system generates 1,000 kilowatt hours (kWh) of electricity, an SREC is earned and placed in the customer's electronic account on the SREC tracking system.



The SREC tracking system is a web-based tool that enables account holders to track solar energy system production from individual generators and record the transfer of SRECs from generators to purchasers.

The *Solar Renewable Energy Certificate Registration Program* (SRP) is used to register non-rebated solar projects in New Jersey. Registration of the intent to participate in New Jersey's solar marketplace provides market participants with information about the pipeline of anticipated new solar capacity.

Renewable Energy Tools and Resources

Learn more about renewable energy tools and resources available from *New Jersey's Clean Energy Program*. Information about green job training including Performance Fundamentals – Renewable Energy 101, Technology Symposiums, and Trade Ally Training for installers can be found at NJCleanEnergy.com. *New Jersey's Clean Energy Program* also provides information and resources to help you stay on top of the renewable energy industry, including tools to calculate emissions, recent program updates, project success stories, and frequently asked questions. Don't forget to sign up for the Clean Energy newsletter today to stay informed.

