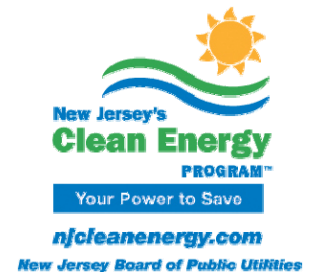




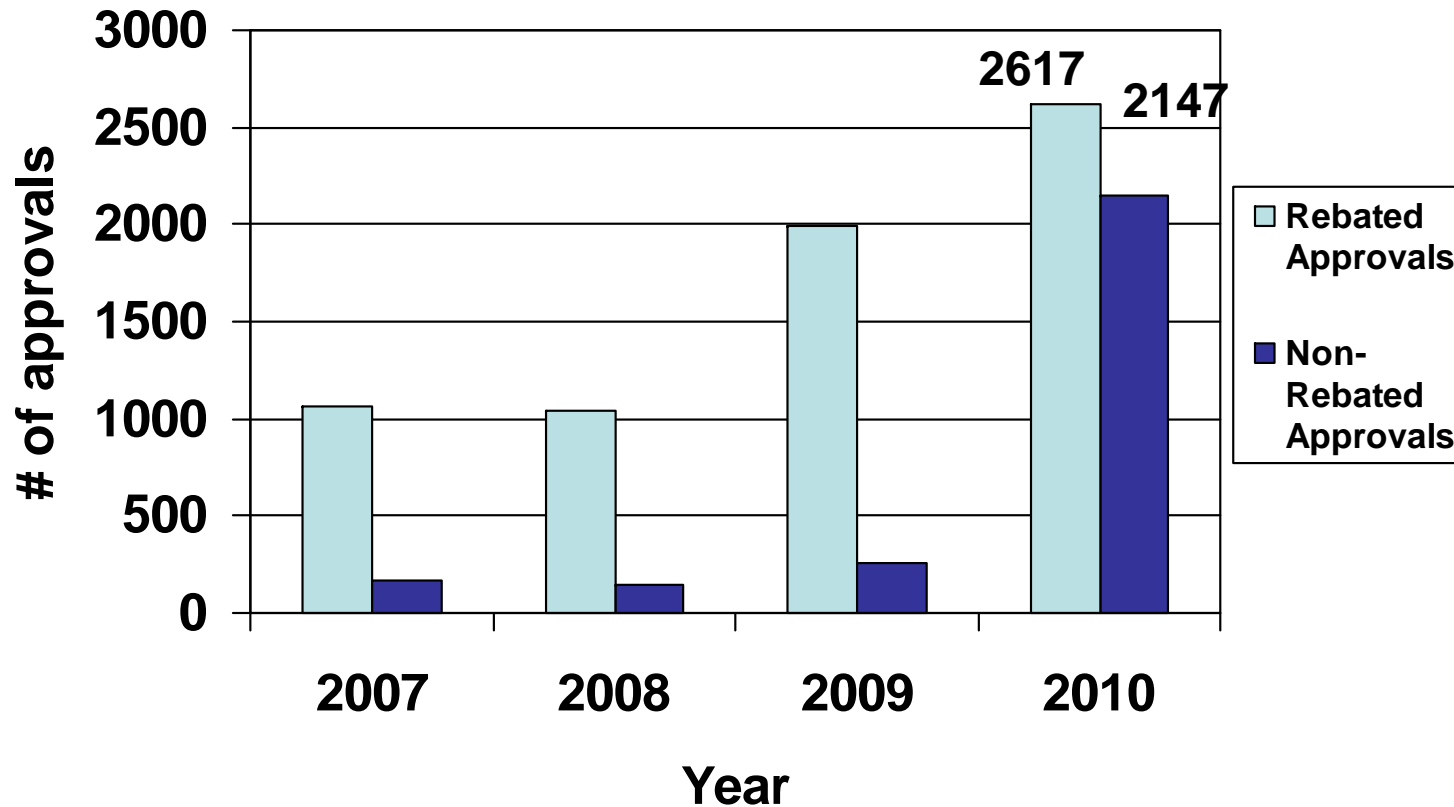
# NJCEP Renewable Energy 2011 Program Update Installer Training

If you have a question during the presentation, please click “Raise Your Hand” on your screen to allow you to ask your question during the Q & A session at the end of the presentation.

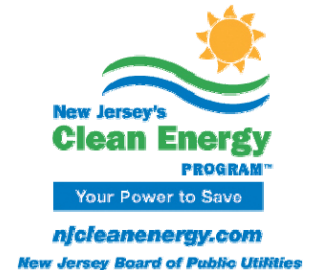
Please note that you are required to dial the audio pin number on your screen to allow us to unmute your phone line to ask your question.



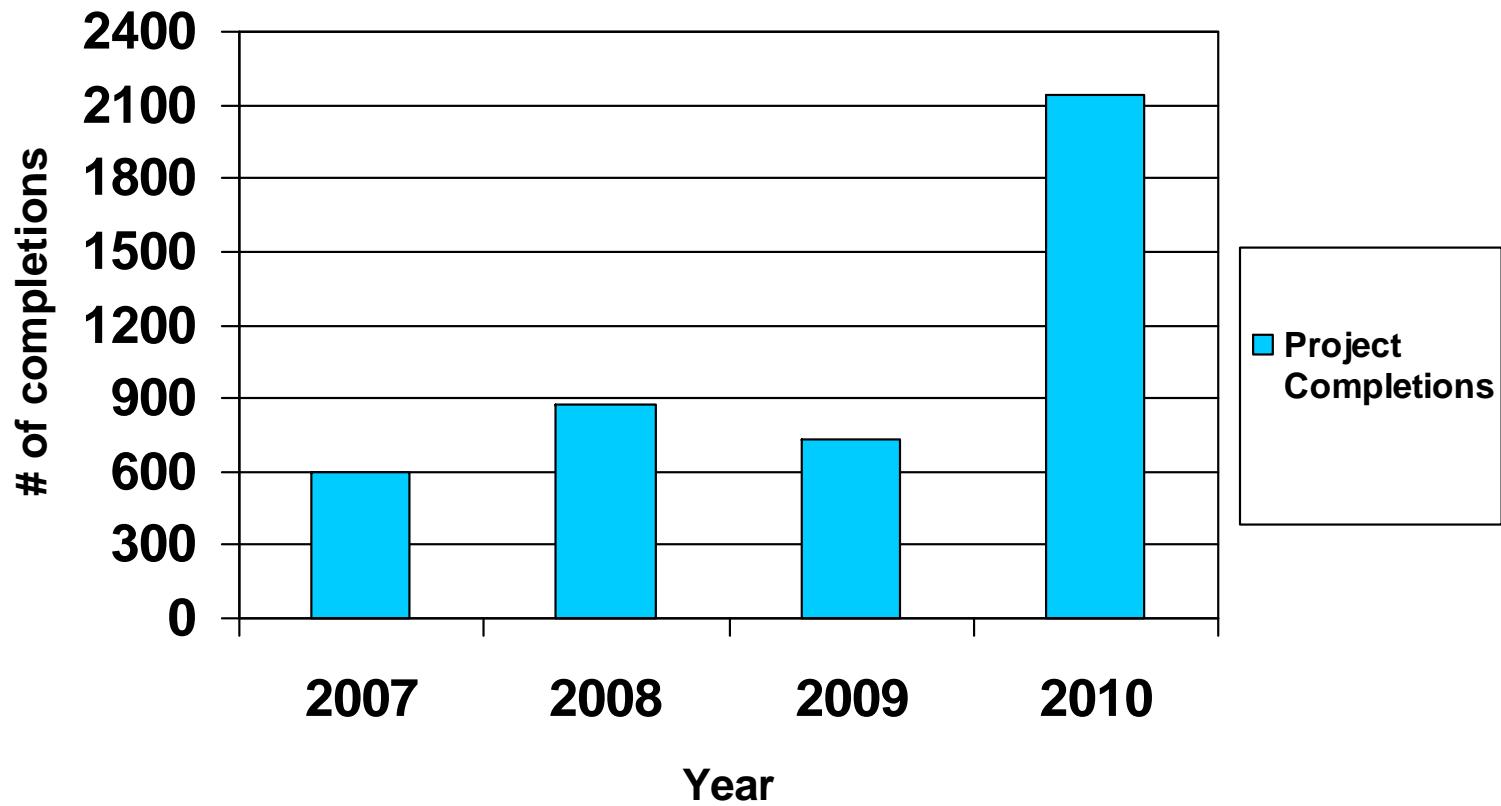
# Application Approvals



**Growing volume of SRP Registrations eliminates the need for rebates**



# Project Completions



# Process changes to support increased volumes & shorten timeframes



- Reduce admin costs and processing time
  - Train new staff and transition existing staff
  - Streamline Registration process
  - Reduce number of on-site inspections & increase quality assurance reviews
- Develop an SREC Registration application on-line portal which will be available in 2011

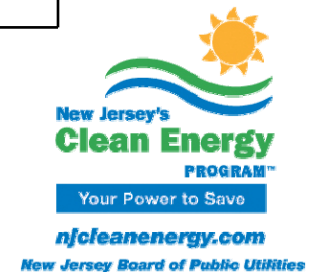


# \$9.8 Million New Incentive Budget



## 2011 REIP Incentive Budget Summary – New Funding

<u>Description</u>	<u>(\$Million)</u>
Wind & Bio Power – Incentives	\$5.0
Solar – ESFI (EDC Solar Financing Incentive)	\$3.8
NJ REMI	\$1.0
<b>Total</b>	<b>\$9.8</b>



# Wind & Biopower Programs



## REIP

- Allocate \$5.0 Million for customer sited wind and biopower projects.
- Provide New Incentive For Innovative Wind Technology (actual performance based)
- Feasibility Study Incentive (50% of the cost of the feasibility study with cap based on project size)
- Technical working groups will be scheduled through 2011. Wind is planned for mid February



# Solar Programs



## Increased Emphasis on SREC Registration Program

EDC Solar Financing Incentive (ESFI) for those projects which participate in the EDC SREC-Based Financing Program (JCPL, ACE, RECO). Allocate \$3.8 Million.

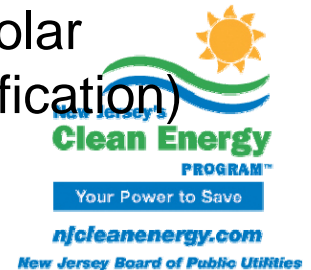
## REIP

No upfront rebates for solar projects

## NJ REMI

Allocate \$1.0 Million

Maintain project eligibility and incentive levels as contained in 2010 Plan for Certified New Jersey Manufacturers of solar panels, inverters and racking systems (subject to modification)



# EDC Solar Financing Incentive (ESFI)



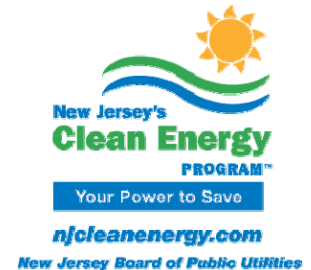
- **Allocate \$3.8 Mil To Support EDC SREC-based Financing Program**
- **Incentive payment is only available to projects that are awarded an EDC SREC-based financing program contract.**
- **Market Segments eligible to participate in the ESFI - Residential Up To 10 kW And Public And Non-profit Up To 50 kW.**
  - **Eligible residential projects include customer owned and financed systems, residential new construction in Smart Growth areas (for builders and homeowners), and residential systems using a leasing or power purchase agreement.**
  - **Payment Caps At 7.5 kW For Residential And 30 kW For Public And Non-profit.**
  - **\$.50/Watt for projects participating in EDC SREC solicitation bids between 1/1 and 12/31/2011.**
- **Solar projects that are not eligible to participate in ESFI can still participate in the EDC SREC-based Financing Program**



# EDC Solar Financing Incentive (ESFI)



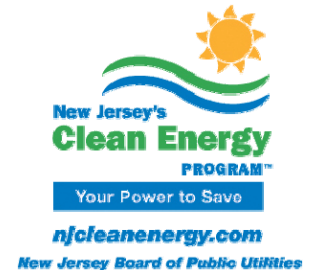
- Upon approval by the Board of the SREC Purchase and Sale Agreement, the ESFI commitment will be made for a period of 12 months from the date of the signed Board Order.
- The Board Order will be the document which will modify the terms of the original SRP registration acceptance letter to commit the ESFI funds and extend the project expiration date.
- Incentive payment will be processed after all NJCEP installation requirements have been met including documentation by their EDC of the final interconnection.
- Market Manager will track the ESFI budget commitments and post this information on the NJCEP website so that market participants can gauge the availability of funds.



# EDC SREC based Financing Program



- In early 2009, NJBPU approved programs at Jersey Central Power and Light (JCP&L), Rockland Electric Company (RECO) and Atlantic City Electric (ACE) that will provide for long-term contracts for SRECs that the utilities will purchase from solar projects selected through a competitive bidding process in their service territories.
- For more information on this SREC Based Financing Program:
  - Website: [www.njedcsolar.com](http://www.njedcsolar.com)
  - Email: [njsolarinfo@nera.com](mailto:njsolarinfo@nera.com)
  - Contact: Benjamin Chee
  - Telephone: 212-345-0091



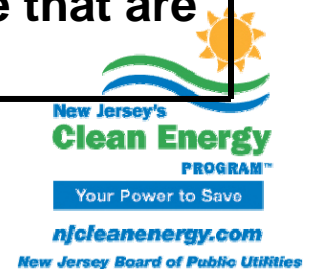
# 2011 New SRP Registrations



No Longer Required	Required
<p><b>Copy of the contract</b></p> <p><b>10 year certification document</b></p> <p><b>12 months of utility bills</b></p> <p><b>PV Watts – ideal and designed</b></p> <p><b>Site Map</b></p>	<p><b>SRP Registration Form</b></p> <ul style="list-style-type: none"> <li>– <b>Utility Co and Acct #</b></li> </ul> <p><b>Technical worksheet</b></p> <p><b>Needed only if registrant plans to participate:</b></p> <ul style="list-style-type: none"> <li>- <b>ESFI Intent to Participate Form</b></li> <li>or</li> <li>- <b>Cover letter for those that are not eligible for ESFI</b></li> </ul>



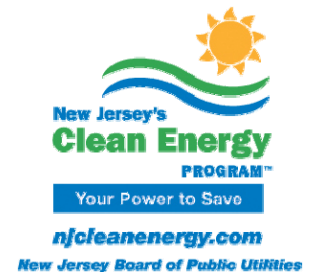
\* EFSI – EDC Financing Solar Incentive



# SRP Acceptance Letters



- 12 month commitment from date of letter
- ESFI Projects (JCPL, RECO, ACE)-If you are accepted into the solicitation a new expiration date will be assigned based on the date of the signed Board Order which will supersede the original expiration date. A new acceptance letter will not be mailed out.

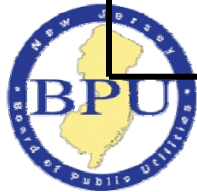


# 2011 SRP Final As Built Paperwork

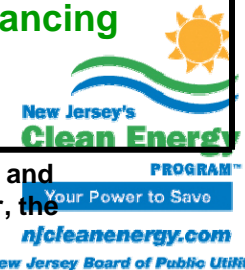


No Longer Required (a)	Required
<p><b>UCC</b></p> <p><b>Interconnection application</b></p>	<p><b>Final As Built Package</b></p> <ul style="list-style-type: none"> <li>- Final As Built Technical Worksheet</li> <li>- PV Watts actual and ideal including shading analysis</li> <li>- Site Photos (inverter, modules)</li> <li>- Meter worksheet</li> <li>- Proof of NJREMI</li> </ul> <p><b>NEW FOR 2011</b></p> <ul style="list-style-type: none"> <li>Final As Built Site Map</li> <li>NJREMI/ESFI Technical Worksheet</li> <li>PV Commissioning Form</li> <li>Interconnection completion documentation                             <ul style="list-style-type: none"> <li>- Site photo of revenue grade meter</li> <li>- For 2011 approvals - EDC financing acceptance documentation</li> </ul> </li> </ul>

(a) continue to be required by the EDC



Note: Interconnection Completion Document-If this document is not included in the Final As Built paperwork, and the remainder of the Final As Built paperwork is complete the project will not be considered expired. However, the program inspection or inspection waiver will not be scheduled until this document is received by the Market Manager

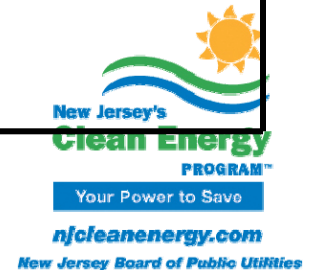
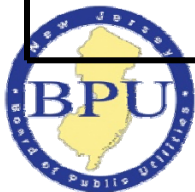


New Jersey Board of Public Utilities

# 2011 CORE & REIP Final As Built Paperwork



No Longer Required (a)	Required
<p><b>UCC</b></p> <p><b>Interconnection application</b></p> <p>(a) continue to be required by the EDC</p>	<p><b>Final Rebate Confirmation Sheet</b></p> <p><b>Final As Built Package</b></p> <ul style="list-style-type: none"> <li>- Final As Built Technical Worksheet</li> <li>- PV Watts actual and ideal including shading analysis</li> <li>- Site Photos (inverter, module)</li> <li>- Meter worksheet</li> <li>- Tax Cert (non-profit or commercial)</li> </ul> <p><b>EE Documentation (FC1 &amp; FC2)</b></p> <p><b><u>NEW FOR 2011</u></b></p> <ul style="list-style-type: none"> <li>- Interconnection completion documentation</li> <li>- Final As Built Site Map</li> <li>- PV Commissioning Form</li> <li>- Site photo of Revenue Grade Meter</li> </ul>



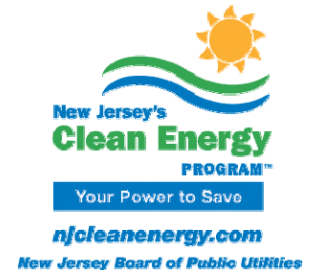
# Meter Requirements



- All SRP projects are required to install **revenue grade meter**
- REIP **ALL** non residential and any residential projects GT10 kW are required to install **revenue grade meter**



It is recommended that all projects that participate in the New Jersey Clean Energy Program install a **revenue grade meter**



# Quality Control (QC) Process



**Two types of on-site reviews - Inspection & Verification:**

## On-site Inspections

Inspector will access roof and perform program project inspection

## On-site Verification includes:

Collecting inverter make and model information, capture information on manufacturers label

Verifying inverter operation & record output reading

Verifying the revenue grade meter & obtain a reading

QC Verifications will also involve an estimation approach to panel tilt and orientation versus a more precise measurement approach currently used

Inspector will not be accessing the roof



# Quality Assurance (QA) Process



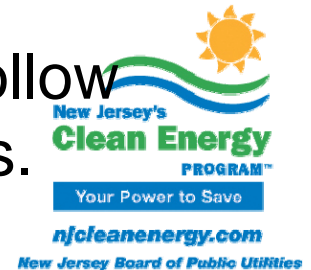
- Installers no longer are required to be QA eligible
- The QA process includes all projects that will **not** receive an on-site inspection or on-site verification and therefore an inspection waiver
- If the program inspection request receives a “Waiver of Inspection” then it is assumed that the program inspection has received a pass status and that the project will proceed to receive its NJ Certification number
- The Market Manager and the Clean Energy Program reserve the right to, at any time, schedule an inspection at any installation for which a “Waiver of Inspection” was received
- In putting greater reliance on the QA model, reduced onsite inspections, and more reliance on an honor system in the industry, the Board recently granted the Market Manager with the authority to seek remediation procedures against contractors who willingly and consistently violate program rules or misrepresent information



# QA/QC Process



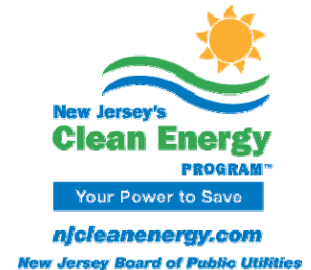
- The overall target will be 20% on site inspections for incentivized projects and 10% on site verifications for non-incentivized projects
- Utility financed projects and self install projects will no longer be subject to 100% inspection, but may be sampled at a higher rate than other SRP projects
- On-site inspections for PSE&G loan program projects will be handled outside the program and will be 100% inspected
- Both the QC inspections and verifications will follow the same inspection scheduling process protocols.



# Program Changes



- SREC Registration Program projects will no longer be required to achieve a minimum system output to be eligible to generate SREC's. Details regarding each project installation will be provided to PJM GATS to ensure the proper treatment of SREC generation
- Prior to entering the QA/QC Process, all solar generating facilities will be required to provide documentation that establishes the date that the final interconnection has been completed and the system owner has permission to operate the system
  - EDCs and the Market Manager will work together to develop a process to ensure that this documentation is made available in a timely manner.

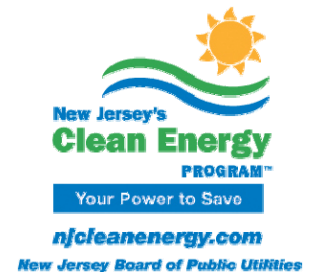


# Contractor Remediation



## Different Levels from 1 -4

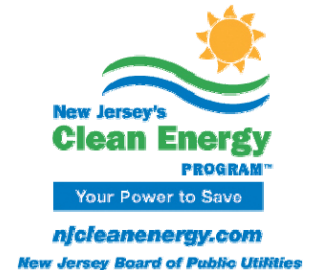
- Level 1 - General quality of work not up to accepted standard – includes routine paperwork, field work issues and miscommunication
- Level 2 – No improvements from Level 1
- Level 3 – No improvements from Level 2
- Level 4 - Intentional misconduct: Evidence of theft, larceny, fraud, drug/alcohol abuse, forged-faked documents or other misconduct intended to be outside the program procedure. Resulting in one year suspension from the program.



# Communications



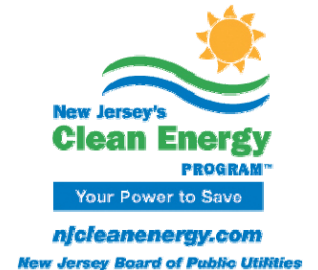
- Updated checklists, forms, webpages, SRP Guidebook will be available by mid January.
- All Project and Application Status Questions:
  - Call Center – 1-866-NJSMART
  - Check Program Status Report
- Other questions:
  - E-mail: [NJREinfo@csgroup.com](mailto:NJREinfo@csgroup.com)
- Please do not contact processing team directly. Calls and e-mails will get routed to them as appropriate.



# Trainings



- In-person trainings will be focused exclusively on market development in the financial services industry, and for wind and biopower projects
- In-person solar installer trainings will be replaced with webinar trainings.
- All webinar trainings will be recorded for future viewing and listening

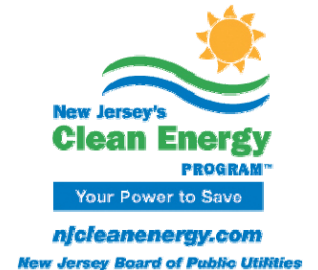


# Solar Installer Webinar ideas:



- Application Process
- PV Watts, Shade Analysis, PV commissioning form
- Common installation mistakes
- On-line portal training
- The SREC market
- Financing your system
- NJREMI

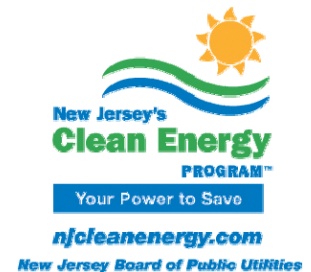
A short survey will be available at the end of this session to share your ideas for webinars



# Application/Registration Approvals



- REIP approval update is posted on the REIP main page  
<http://www.njcleanenergy.com/renewable-energy/programs/renewable-energy-incentive-program>
- SRP acceptance updates are posted on the SRP main page  
<http://www.njcleanenergy.com/renewable-energy/programs/solar-renewable-energy-certificates-srec/new-jersey-solar-renewable-energy>



# Project Activity Reports- Status



Home | NJ OCE Web Site - Windows Internet Explorer provided by Conservation Services Group

http://www.njcleanenergy.com/renewable-energy/home/home

PROGRAMS

- RENEWABLE ENERGY INCENTIVE PROGRAM
- SREC REGISTRATION PROGRAM
- RENEWABLE ENERGY MANUFACTURING INCENTIVE
- SREC TRACKING SYSTEM
- NET METERING AND INTERCONNECTION
- UTILITY FINANCING PROGRAMS
- CLEANPOWER CHOICE PROGRAM
- 2008 PROGRAMS

TECHNOLOGIES

TOOLS AND RESOURCES

**PROJECT ACTIVITY REPORTS**

PROGRAM UPDATES AND BACKGROUND INFORMATION

CONTACT US

**NOTICE: Effective immediately, solar rebate applications are no longer being accepted.**

Solar REIP application forms are still available for approved projects that require changes.

Wind and Biopower applications are still being accepted.

### SREC Registration Program

All solar projects must be registered under the SREC Registration Program (SRP) in order to earn SRECs. Solar renewable energy certificates (SRECs) represent all the clean energy benefits of electricity generated from a solar energy system. SRECs can be sold or traded separately from the power, providing owners a source of revenue to help offset the cost of installation.

To learn more about SRECs and how they are generated visit the [SREC registration page](#).

**Important Links**

- SREC Registration Program Application Forms
- SREC tracking system
- SREC Pricing
- NJ REC Market Updates
- RPS Background Information

\*Projects developed through the REIP do not need to enroll in this program, but will still be eligible to register with the [SREC tracking system](#) upon system completion.

**Find a Trade Ally**

Select a certified contractor for an energy efficient upgrade today!

**Community Partners**

Make your community and NJ a better place. Earn incentives & go green today!

**Solar Installations Counter**

Number supported by NJCEP as of 11/30/10:

7 5 7 8

As of 11/30/10, over 7,578 New Jersey residential, commercial, public,



NJCleanEnergy.com → Renewable Energy Incentive Program  
Project Activity Reports



# Status Reports



Program Status Reports | NJ OCE Web Site - Windows Internet Explorer provided by Conservation Services Group

http://www.njcleanenergy.com/renewable-energy/project-activity-reports/program-status-reports/program-status-reports

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Program Status Reports | NJ OCE Web Site

Home » Renewable Energy » Project Activity Reports

## Program Status Reports

New Jersey's Clean Energy Program provides significant financial incentives and assistance for clean, renewable energy projects in New Jersey. Renewable energy helps improve air quality and reduces our dependence on foreign oil. Support for renewable energy development also helps create jobs and enhances the economy in New Jersey.

The following pages contain the most recent tracking and budgeting information available for renewable energy technologies by program and by technology. Click on the links below to find the reports you are looking for.

**By Incentive Program:**

- Renewable Energy Incentive Program (REIP) Updated Project Status List
  - Updated Project Status List as of Dec 10, 2010
- REIP Status Reports
  - REIP Approved Projects as of Nov 30, 2010
  - REIP Paid Projects as of Nov 30, 2010
- SREC Registration Program Status Reports
  - SREC Registration Program Completed Projects as of Nov 30, 2010
- CORE Status Reports
  - CORE Approved Projects as of Nov 30, 2010
  - CORE Paid Projects Year to Date as of Nov 30, 2010
  - CORE Paid Projects Program to Date through Dec 31, 2009
- Grid Supply and REAP Project List

**Program Updates**

- Contractor Remediation Procedures
- Petition of ACE for Declaratory Order on Definition of SRECs
- Prevailing Wage Notice and Contact Information for Questions

Other updates posted.

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**Community Partners**

Make your community and NJ a better place. Earn incentives & go green today!

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Inbox - Microsoft Out... | Microsoft PowerPoint ... | Program Status Repo...



**Clean Energy PROGRAM™**  
Your Power to Save  
njcleanenergy.com  
New Jersey Board of Public Utilities

Status Reports



# Status Reports



http://www.njcleanenergy.com/files/file/MC%20Marketing/CG%20updates/REIP\_Paid\_Projects\_113010.x - Windows Internet Explorer pro

http://www.njcleanenergy.com/files/file/MC%20Marketing/CG%20updates/REIP\_Paid\_Projects\_113010.xls

File Edit View Insert Format Tools Data Go To Favorites Help

Google Search

bing News Entertainment Video Sports Money Autos 27°F

http://www.njcleanenergy.com/files/file/MC%20Mark...

	A	B	C	D	E	F	G	H
1	<b>Public Record of REIP Paid Projects as of November 30, 2010</b>				<b>New Jersey Board of Public Utilities, Office of Clean</b>			
2	BPU_APP_ID	Technology	Last Name	Company Name	System Size	Rebate Amt	Install Cost	Market Segment
3	REIPR-00021	REIP Solar	GELLER	MARC D. GELLER ASSOCIATES, LLC	7.360	\$ 7,360.00	\$ 58,880.00	Commercial
4	REIPR-00141	REIP Solar	SURETT		7.380	\$ 12,915.00	\$ 54,320.00	Residential
5	REIPR-00241	REIP Solar	NOWICKI		5.535	\$ 9,686.25	\$ 73,800.00	Residential
6	REIPR-00301	REIP Solar	RUBIN		4.510	\$ 7,892.50	\$ 33,825.00	Residential
7	REIPR-00321	REIP Solar	DIMASO		9.635	\$ 16,861.25	\$ 73,800.00	Residential
8	REIPR-00461	REIP Solar	CONTE		6.880	\$ 12,040.00	\$ 52,288.00	Residential
9	REIPR-00481	REIP Solar	MCVAUGH		9.900	\$ 17,325.00	\$ 76,230.00	Residential
10	REIPR-00501	REIP Solar	MAGGIONCALDA		9.890	\$ 17,307.50	\$ 74,175.00	Residential
11	REIPR-00561	REIP Solar	FULTON		6.450	\$ 11,287.50	\$ 49,020.00	Residential
12	REIPR-00601	REIP Solar	BARFUSS		9.840	\$ 17,220.00	\$ 73,800.00	Residential
13	REIPR-00821	REIP Solar	ZONDERMAN		3.870	\$ 6,772.50	\$ 30,186.00	Residential
14	REIPR-00961	REIP Solar	HLUBIK	HLUBIK FARMS	12.300	\$ 12,300.00	\$ 98,400.00	Commercial
15	REIPR-01081	REIP Solar	SAVARIEGO		5.040	\$ 8,820.00	\$ 55,335.00	Residential
16	REIPR-01101	REIP Solar	JEFFERSON		3.780	\$ 6,615.00	\$ 29,484.00	Residential
17	REIPR-01161	REIP Solar	KOPAZ		9.900	\$ 17,325.00	\$ 77,220.00	Residential
18	REIPR-01181	REIP Solar	JOHNSON		4.600	\$ 8,050.00	\$ 36,570.00	Residential
19	REIPR-01261	REIP Solar	FOTI		9.660	\$ 16,905.00	\$ 74,865.00	Residential
20	REIPR-01581	REIP Solar	WENDEL	DOMINANT NORTH AMERICA	10.000	\$ 17,500.00	\$ 82,500.00	Residential
21	REIPR-01661	REIP Solar	CONRAD		5.160	\$ 9,030.00	\$ 39,732.00	Residential
22	REIPR-01701	REIP Solar	O'CONNELL		5.400	\$ 9,450.00	\$ 42,660.00	Residential
23	REIPR-01741	REIP Solar	MUTCH		9.870	\$ 17,272.50	\$ 57,838.00	Residential
24	REIPR-01761	REIP Solar	TAYLOR		9.870	\$ 17,272.50	\$ 81,921.00	Residential
25	REIPR-01801	REIP Solar	RAJOPPE		7.690	\$ 13,308.75	\$ 60,800.00	Residential
26	REIPR-02001	REIP Solar	FRANKS		9.635	\$ 16,861.25	\$ 72,262.50	Residential

Projects / Equipment

Unknown Zone

start

Inbox - Microsoft Out... Microsoft PowerPoint... Program Status Repo...

7:11 AM Tuesday 12/28/2010

RAM

New Jersey Board of Public Utilities

# Program Contacts



NJ Renewable Energy Team

1-866-NJSMART

[NJREinfo@csgroup.com](mailto:NJREinfo@csgroup.com)

Tammy Gray

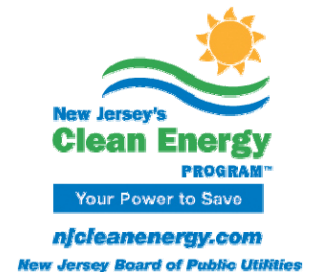
Renewable Energy Operations Manager

[Tammy.Gray@csgroup.com](mailto:Tammy.Gray@csgroup.com)

Joanne Bachmann

Renewable Energy Account Manager

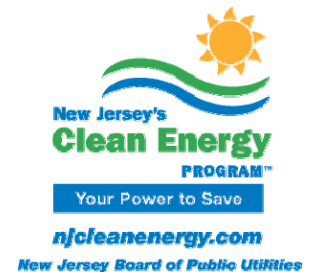
[Joanne.Bachmann@csgroup.com](mailto:Joanne.Bachmann@csgroup.com)



## EDC Contact Info



- **The SREC Based Financing Program**
- Website: [www.njedcsolar.com](http://www.njedcsolar.com)
- Email: [njsolarinfo@nera.com](mailto:njsolarinfo@nera.com)
- Contact: Benjamin Chee
- Telephone: 212-345-0091



## Questions?



Please click “Raise Your Hand” on your screen to you ask your question.

Please note that you are required to dial the audio pin number on your screen to allow us to unmute your phone line to ask your question.

