



FY 2015 SREC Registration Program Installer Training

Tammy Gray
Renewable Energy Operations Manager

Jeremiah Diaz
Lead Renewable Energy Inspector



Today's Discussion

- SRP Registration Process and FY15 Changes to Program Requirements
- Review New FY15 Forms and Technical Requirements
- Overview of Additional SRP Program Processes
- SRP Registration Timelines
- Q&A



SREC Registration Submittal Requirements N.J.A.C. 14:8-2.4 (c)

Effective June 2012

N.J.A.C. 14:8-2.4 -Energy that qualifies for an SREC; registration requirement

.....(c)...

....1. The submittal of an initial registration package under (f)1 below shall occur no later than:

i. Ten business days after execution of the contract for purchase or installation of the photovoltaic panels to be used in the solar facility;

- <http://www.lexisnexis.com/njoal>



SRP Registration Process for Complete and Incomplete Registrations

	SRP Registration	Contract	Compliant	Non-Compliant
Complete SRP 10 Day Rule (Compliant)	Complete SRP received –All documents listed on the SRP Registration Checklist have been submitted	Most recent executed contract signature date is within 10 business days of SRP submittal date – Received by Market Manager (date stamped)	Yes- <u>COMPLIANT</u> SRP Acceptance Letter issued	
Complete SRP 10 Day Rule (Non-Compliant)	Complete SRP received- All documents listed on the SRP Registration Checklist have been submitted	Most recent executed contract signature date is <u>NOT</u> (exceeds) within 10 business days of the SRP submittal date – Received by the Market Manager (date stamped)	No	Yes- <u>NON-COMPLIANT</u> SRP Acceptance Letter issued
Incomplete SRP	SRP received that is missing items off the SRP Registration Checklist and/or missing dates on contract		No	SRP Registration is returned to the registrant with a letter identifying missing items. A new SRP Registration is required to be submitted and the new registration date is based on the date the new SRP Registration is submitted

Non-Compliance: The SRP Registration submittal is received more than 10 days past the contract execution date.

Non-Compliance: When the Final As-Built packet is received, it is determined that the EDC Notification occurs on or before the date of the SRP Acceptance letter and/or after the project expiration date.

Compliance: The SRP Registration submittal is received within 10 days of the contract execution date and when the Final As-Built packet is received, it is verified that the EDC Notification occurs after the SRP Acceptance letter and before the project expiration date.



SRP Registration Steps

 Share process with your customer

Steps	Information
<p>STEP 1</p> <p>New SRP Registration submitted</p>	<p>Use SRP Registration Checklist to ensure a Complete SRP Registration is submitted</p>
<p>STEP 2</p> <p>SRP Acceptance letter</p> <p>Status-Accepted</p>	<p>A Complete SRP Registration has been submitted and an SRP Acceptance letter is addressed to the system owner and copies are sent to all parties listed on the SRP Registration form</p>
<p>STEP 3</p> <p>Final As Built</p>	<p>A Complete Final As-Built Packet is required to be submitted on or before the project expiration date noted on the SRP Acceptance letter</p>
<p>STEP 4</p> <p>SRP Verification Status-QA Selected (Verification Waiver)</p> <p>Status-QC Selected (On-Site Verification Scheduled)</p>	<p>Randomly Selected SRP Verification: An on-site verification will be performed by the Program inspector</p> <p>SRP Verification Waiver: A letter will be issued to the site host and installer</p>
<p>STEP 5</p> <p>NJ Certification Number Issued</p> <p>Status-Complete</p>	<p>Once the project is Complete the NJ Certification number will be issued to the system owner</p> <p>This number is required in order for the system owner to register their SRECS</p>

 Ensure all document included in SRP packet and contact information is correct

 Complete Final As-Built packet submitted prior to expiration

 Inform customer that on-site verification or waiver of verification may occur

 NJ Certification Number given only to System Owner



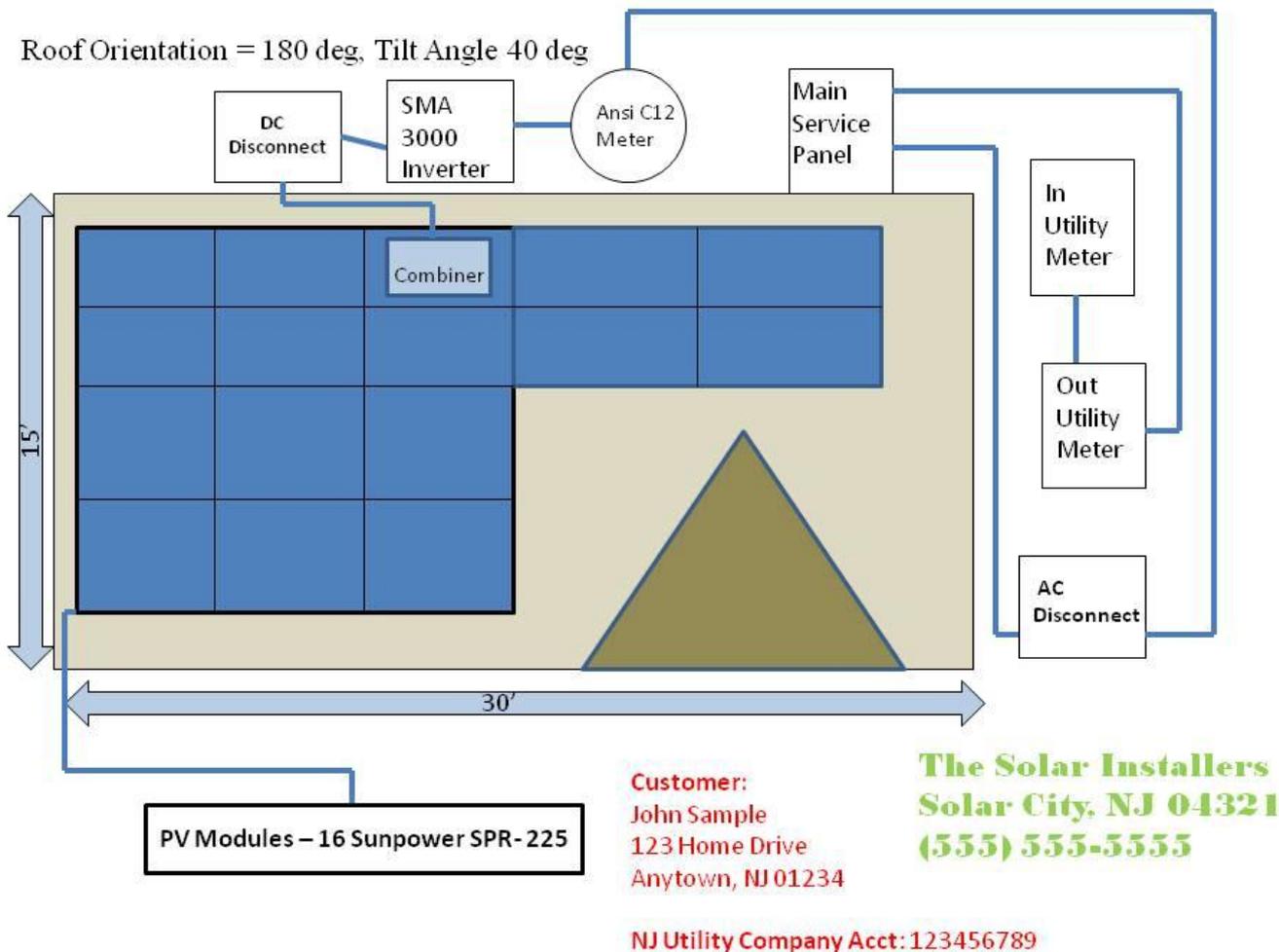
SRP Registration Checklist

- SRP Registration Form**-Include correct contact information and signatures
- SRP Technical Worksheet**
- A one-page **Site Map** (overhead view drawing or a single line electrical diagram)
 - **Clearly indicate the location of the generator(s), batteries** (if any), lockable disconnect switch (unless otherwise approved by the electric utility,), and point of connection with the utility system
 - **Installation address**
 - **Current electric utility account number at the address**
 - **Installers name and telephone number**

- Copy of one recent EDC bill** for site host facility to include account number, customer name and installation address
- Executed Contract** – A full copy of the contract is not required. Provide the key elements of the contract, including contract execution date, host site address and facility owner, system owner, installer, equipment summary information, total project costs, total system capacity **and dated signatures**. If the site host contact and the system owner are the same, submit key elements of a contract signed by the site host contact and the installer. If the site host contact and system owner are different, submit either the key elements of one contract signed by all three parties or the key elements of two signed contracts; one between the system owner and site host contact and one between the system owner and installer. **Public projects must comply with this requirement**. To satisfy the contract requirement, **self installations** must include the purchase order or invoice for the solar equipment. In order for a self install registration to be deemed compliant with **N.J.A.C. 14:8-2.4** the purchase order or invoice must be dated within 10 business days of the date the SRP Registration is received by the Market Manager.
- Milestone Reporting Form**-For Net Metered Facilities Greater than 1MW



Site Map Requirements



- Can be an overhead-view drawing or a single line electrical diagram
- Clearly indicates:
 - RE Technology
 - Inverter(s)
 - Batteries (if any)
 - Disconnect switch
 - Point of connection with utility system
- Includes customer installation address and utility account number
- Includes installer's name and telephone number



FY2015 SRP Program Changes

- To streamline SRP Registration process
- Work toward a more electronic process using writable forms and auto calculations within the forms
- Reduce paperwork required to be submitted
- Ensure SRP Program changes align with the Chapter 8 rules N.J.A.C. 14:8-2.4 governing the SRP Registration submittal requirements
- Installer trainings will be conducted



FY15 Changes to Final As-Built Requirements

The following back up documents will no longer be required:

- PV Watts
- PV Commissioning Form
- Shading Analysis

The NJCEP reserves the right to request a complete copy of production estimates, a full shading analysis or any relevant documentation from the installer at any time.

A date for the Implementation of these changes is tentatively scheduled for December 1st to allow for trainings to take place



FY2015 SRP Program Changes for Final As-Built

(Defined under N.J.A.C. 14:8-2.4 (j) Post-Construction Certification Packet)

2013-2014 Requirements	FY2015 New Requirement
Final As-Built Technical Worksheet	Revised writable Final As-Built Technical Worksheet with auto calculations. Detailed Instructions separate document
A Complete Shading Analysis Report and Summary Page. Each array plane must submit separate Shade Analysis and Summary Page	Shading Analysis must be performed and data entered into appropriate field on the new Final As-Built Technical Worksheet. Eliminate requirement for print out of Shading Analysis Report and Summary Page
PV Watts-Actual system print outs showing system production, derate factor calculations and copies of equipment specs Each array plane must have a PV Watts report coordinating with the shading analysis.	Productions estimates must be performed and the data entered into the appropriate field on the Final As-Built Technical Worksheet. Eliminate PV Watts print outs.
PV Commissioning Form	Eliminate Form
Digital Photos (Upload) EDC Authorization to Operate Notification ANSI C-12 Meter Worksheet Site Map (If changes to original system)	No Change

The SRP Processing Team reserves the right to request a copy of the full shading report and copies of all production estimation paperwork from the installer at any time.



Addendum to Contract

Chapter 8 rule Re-Adoption Effective date June 2012: N.J.A.C. 14:8-2.4

Energy that qualifies for an SREC; registration requirement ...

1. The submittal of an initial registration package under (f)1 below shall occur no later than:

- i. Ten business days after execution of the contract for purchase or installation of the photovoltaic panels to be used in the solar facility;...

Presented at April, June, September and October 2014 RE Meeting -The SRP Program will no longer accept an addendum to be submitted to revise a non-compliant or incomplete SRP Registration. A revised executed contract must be submitted with the appropriate dates and signatures together with a new SRP Registration and will be subject to the 10 day rule governing SRP Registration submittals.

Public comment period ended on September 29th- No comments submitted



Revised Final As- Built Checklist

- Completed and signed **SRP Final As-Built Technical Worksheet**. The authorized representative for each party listed at the bottom of the Technical Worksheet must sign the form in the designated space. The parties are defined on the SREC Registration Program Form. The total installed cost requested in Section E of the Technical Worksheet **must** be updated to reflect that actual value. For detailed instructions on how to accurately complete this form please refer to the SRP Final As-Built Instructions which are available at njcleanenergy.com . **The SRP Processing Team reserves the right to request a complete copy of the shade report including the summary page and the complete copy of the production estimate paperwork from the installer/developer at any time.**
- Representative **digital photographs** of the system affixed to the template in the SRP Final As-Built Technical Worksheet. The photos shall be a minimum of 5" x 7" at 300 DPI and must include 1) the solar array 2) inverter(s), 3) site changes if any from original registration (for example – tree removal) and 4) Revenue Grade kWh Production Meter that has been certified to the ANSI C12.1-2008 standards. Please ensure that the photos are in focus and the serial numbers are legible.
- If there are changes to the installation of the solar system from the information supplied in the initial SRP Registration packet, include a **one-page final site map**. This document can be an **overhead view drawing or a single line electrical diagram** and must clearly indicate the specific location of the renewable energy technology, the inverter, batteries (if applicable), lockable disconnect switch, and the point of connection with the utility system. The installation address, current electric utility account number at that address, and the installer/developer's name and telephone number must also be included on the site map.
- EDC Authorization to Operate Notification** - the written notification that the system is authorized to be energized from the utility. Per the *N.J.A.C. 14:8-5.8 - Requirements after approval of an interconnection*, once the electric Distribution Company (EDC) performs an inspection or determines that no inspection is needed and has received an executed interconnection agreement from the customer-generator; the EDC shall notify the customer-generator in writing that the customer-generator is authorized to energize the customer-generator facility.
- ANSI C12.1-2008 Certified Meter Worksheet**. A revenue grade kWh production meter that has been certified to the ANSI C12.1-2008 standards is required for all SRP systems.

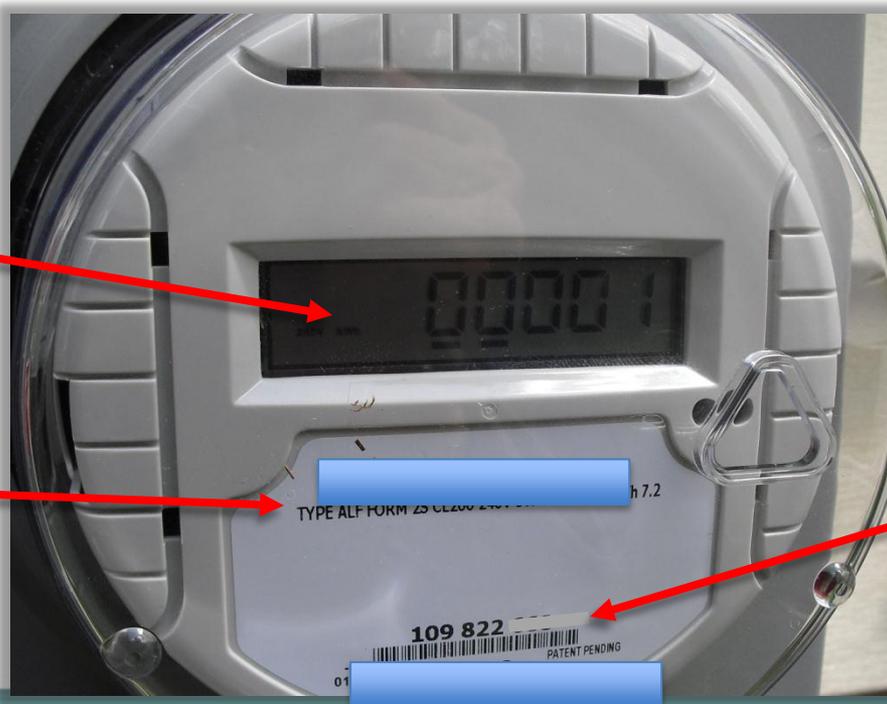


Photo Requirements

- Each photo should be a minimum of 5 x 7 of at least 300 DPI
- If there are multiple orientations and tilts, photos should be provided of each array
- Provide **separate** photos of panels, inverters and meters
- Meter serial number should be visible and legible in photo
- Working to enable photo to be uploaded into new forms

•Total kWh

•Model



•Manufacturer
•Serial Number



New Jersey's Clean Energy Program™

SRP Final As-Built Technical Worksheet

A: Site Host Contact / Applicant Information

1. Date (Please Select Month/Day/Year):	2. SRP Registration #:
3. Site Host Name:	4. Site Host Company Name:
5. Install Address:	



Site Host Information

B: Equipment Information – PLEASE SUBMIT ADDITIONAL MODULE ARRAY AND INVERTER DATA ON AN ATTACHMENT.

1. SOLAR ELECTRIC MODULE & ARRAY DATA							
a. Manufacturer	b. Model Number	c. DC Power Rating (w)	d. Quantity in Array	e. Array DC Output(w) (c x d)	f. Azimuth	g. Tilt	h. Solar Access %
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
Totals:							kW

Equipment Information
Module data



Note: (e.) Total Array DC Output = (DC Power Rating) x (Module Quantity)
 (f.) New Jersey "true" Orientation in "True" degrees (i.e., True Azimuth* = (Magnetic Azimuth*) - (Magnetic Declination*))
 (g.) Tilt in degree (i.e., flat horizontal mount = 0°; vertical mount = 90°)
 (h.) Enter the Solar Access (%) associated with the shading analysis for each array plane, without decimal places. (see section D1)

2. INVERTER DATA					
a. Manufacturer	b. Model Number	c. Rated AC Watts	d. Quantity	e. Inverter AC Output (w) (c x d)	f. Peak Efficiency %
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
Totals:					kW

Note: Total Inverter Output = (Continuous AC Watts Rating) x (Number of Inverters)
 Inverter's Peak Efficiency is entered as a percent without decimal (i.e.: 97%). Refer to manufacturer's peak efficiency rating.

C: Installation Information

1. Array Location(s):	Rooftop <input type="checkbox"/>	Pole Mount <input type="checkbox"/>	Ground Mount: <input type="checkbox"/>
2. Tracking:	Fixed <input type="checkbox"/>	Single-axis <input type="checkbox"/>	Dual-axis <input type="checkbox"/>
3. Inverter Location(s):	Indoor <input type="checkbox"/>	Outdoor <input type="checkbox"/>	Location: _____
4. Interconnection Type:	Behind-the-Meter <input type="checkbox"/>	Direct Grid-Supply <input type="checkbox"/>	

Installation Information



Final As-Built
Technical Worksheet
Page #1

Detailed instructions on
separate document

Equipment Information
Inverter Data





New Jersey's Clean Energy Program™

SRP Final As-Built Technical Worksheet

SRP Registration #:

Site Host Name:

D: System Production Information

1. **Solar Access Average:** Shading analysis has been performed for this installation. Solar Access is defined by the NJCEP as the estimated percentage of annual exposure to the sun, minus shade impact. The solar access average will be automatically calculated to the right, utilizing the values entered in Section B1, Column "h" (Solar Access %). (I.e.: Add all the percentages together and then divide by number of occurrences.) The SRP Processing Team reserves the right to request a complete copy of the full shade report from the installer at any time.

Solar Access Average

1a. Shading Analysis Tool Utilized:

2. **Production Estimates:** Installers must provide the appropriate inputs as described below for the ideal system versus the designed system when using the online NREL estimation tool, to ensure accurate completion of this section. See the [SRP Final As Built Instructions](#) for more information.

- o When calculating the production estimate for the **designed system**, use the actual system size, true tilt, and true orientation submitted on the [SRP Final As-Built Technical Worksheet](#). Indicate shading by changing the derate factor only for shading as appropriate. This demonstrates the estimated system output for the designed installation based upon the specific conditions proposed.
- o When calculating the production estimate for the **ideal system**, use the system size inputs submitted on the [SRP Final As-Built Technical Worksheet](#), but use true south (180 degrees) as the orientation (azimuth) and use the latitude for the location selected for tilt and do not include shading or other derate factors. This demonstrates the best possible system output for this proposed installation.

	Array 1	Array 2	Array 3	Array 4	Array 5	Array 6	Array 7	Array 8
2a. Designed estimate (kWh)								
2b. Ideal estimate (kWh)								

Shading Tool

3. **Disclaimer:** It is acknowledged that this production estimate is for SREC calculation only and may not be a true representation of annual system production. The installer certifies that the estimated production calculation has been completed and is accurate to the best of their technical and administrative ability. The SRP Processing Team reserves the right to request a complete copy of the production estimate paperwork from the installer at any time.

4. **Over-Flow Data:** Table B1, B2, and D2 must be used to provide information for up to eight unique array planes. If there are more than eight, please use the supplemental forms and transfer only the totals to the Array "A" boxes above. [Click here](#) to locate and download the supplemental overflow forms for Sections B-1 and/or B-2.

Final As-Built Technical Worksheet Page #2

Designed



Ideal



The SRP Processing Team reserves the right to request complete copies of all estimation paperwork to support the data on the SRP Final As-Built Technical Worksheet.



New Jersey's Clean Energy Program™

SRP Final As-Built Technical Worksheet

SRP Registration #:

Site Host Name:

E: System Cost Information

Total Installed System Cost: (Eligible installed system cost includes all equipment, installation, and applicable interconnection costs.) \$

Installed Cost

Registrants **must** supply cost information that is accurate and current as of the registration date. SRP Registrations will not be processed without system cost information.

Cost can be submitted for protection under OPRA by following the Board's procedures found at www.nj.gov/bpu.

F: Certification (Signatures Required)

The undersigned by signing below attest to the accuracy and completeness of the above and any information provided with this submittal. If the SRP Processing Team determines through an evaluation process of either on-site inspection or audit that the system has been misrepresented or that the paper work submittal is found to have violated program procedures then the contractor may be subject to corrective action as described in the Contractor Remediation Procedures specified in the Board Order dated October 15, 2010, Docket No. EO07030203.

The signature for the installer shall be an Officer, Principle or Executive of the company that has signing authority for the company.

Signatures

System Owner:	Installer/ Company:	Applicant/ Site Host:
Signature:	Signature:	Signature:
Print Name:	Print Name:	Print Name:
Date:	Date:	Date:
Registrant (only needed if different from above):		
Print Name:	Signature:	Date:



Overflow Data

Solar and Array Data Overflow Document



New Jersey's Clean Energy Program™ SRP Final As-Built Technical Worksheet - Array Overflow

SRP Registration #: Site Host Name:

B: Equipment Information – Data Overflow Attachment

1. SOLAR ELECTRIC MODULE & ARRAY DATA *(provide ratings in DC Watts at STC)*

a. Manufacturer	b. Model Number	c. DC Power Rating (Watts)	d. Quantity in Array	e. Array DC Output(w) <i>(c x d)</i>	f. Azimuth	g. Tilt	h. Solar Access %



New Jersey's Clean Energy Program™ SRP Final As-Built Technical Worksheet - Inverter Overflow

SRP Registration #:

Site Host Name:

B: Equipment Information – Data Overflow Attachment

2. INVERTER DATA

a. Manufacturer	b. Model Number	c. Rated AC Watts	d. Quantity	e. Inverter AC Output (w) <i>(c x d)</i>	f. Peak Efficiency %

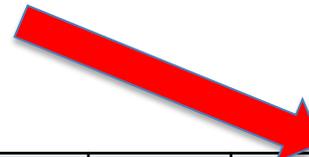


Inverter Data Overflow Document (Micro Inverters)



Solar Access

Enter the Solar Access percentage associated with the completed shading analysis for each array plane, with a maximum of two decimal places.



a. Manufacturer	b. Model Number	c. DC Power Rating (Watts)	d. Quantity in Array	e. Array DC Output (w) (c x d)	f. Azimuth	g. Tilt	h. Solar Access %
1. Prism Solar	PSM-245-PA05	245	50	12250	175	24	96.25%
2. Prism Solar	PSM-245-PA05	245	150	36750	180	0	89.60%
3. Prism Solar	PSM-245-PA05	245	10	2450	265	35	91.30%
4. Prism Solar	PSM-245-PA05	245	20000	4900000	180	39	99.00%
		Totals:	20210	4951.45 KW			

Solar Access %: Solar Access is defined by the Market Manager as the estimated percentage of annual exposure to the sun, minus shade impact. A shading analysis shall be performed using a minimum sampling of two lower corners and two upper corners of each distinct array plane. The system installation information supplied in this section must coincide with the SRP program verification within an accuracy of **+/- 3 degrees** of that reported on this form.

The SRP Processing Team reserves the right to request a complete copy of the full shading analysis from the installer at any time.



NJCEP Requirements

Mandatory

- “Ideal” PVWatts
 - DC System Size (kW)
- “As-Built” PVWatts
 - DC System Size (kW)
 - Array Type (fixed, 1-axis, 2-axis, etc.)
 - System Losses % (DC-to-AC Derate Factor)
 - Tilt (°)
 - Azimuth (°)
- “As-Built” Loss (Derate) Calculator
 - (Module) Nameplate (DC) rating (%)
 - Inverter Efficiency (%)
 - Shading (%)

Optional

- “Ideal” PVWatts
 - “Draw Your System”
- “As Built” PVWatts
 - “Draw your System”
- **Do not alter any further values or options when submitting to the NJCEP.**

*The rules will change requiring hard-copy submittals, **BUT...***

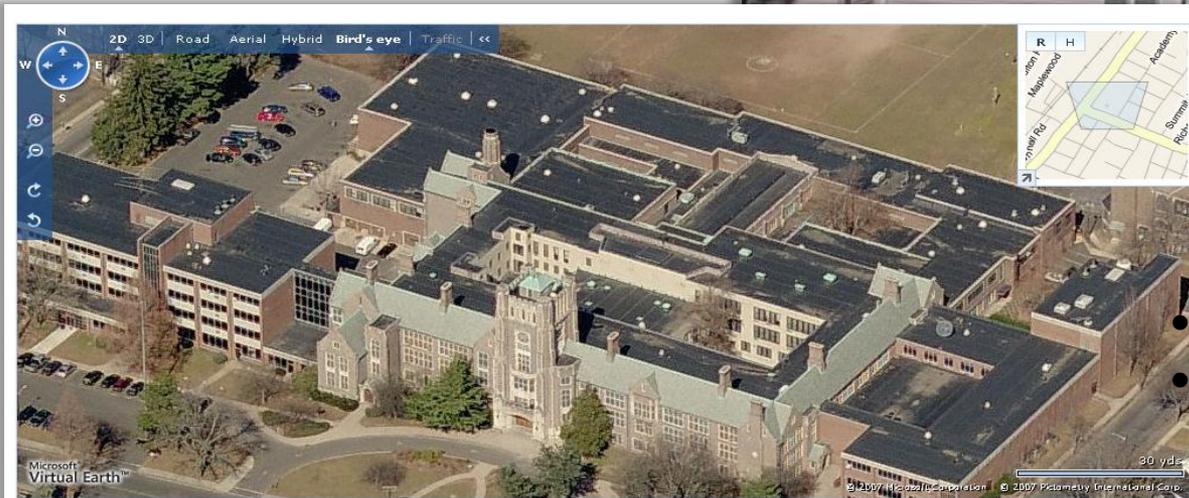
The NJCEP reserves the right to request a complete copy of production estimates, a full shading analysis or any relevant documentation from the installer at any time.



Shading Analysis Requirements

- Require a minimum of **four (4) skyline photos per array plane** (*i.e.* 4 corners of a rectangular array per each roof level)
- For an asymmetrical array layout: capture semi-symmetrically opposite skyline photos (an even number of skylines), in order to obtain a balanced shading percent average.

Residential System



- Flat roof and ground-mounted
- Commercial systems



Shading Analysis-Installation Considerations

“Short of outright physical destruction, hard shadows are the worst possible thing you can do to a PV module output.”- The Solar Living Source Book

Shade Analysis is Critical to Determine Solar Array Performance



Many cells are hard-shaded causing significant reduction in energy production.

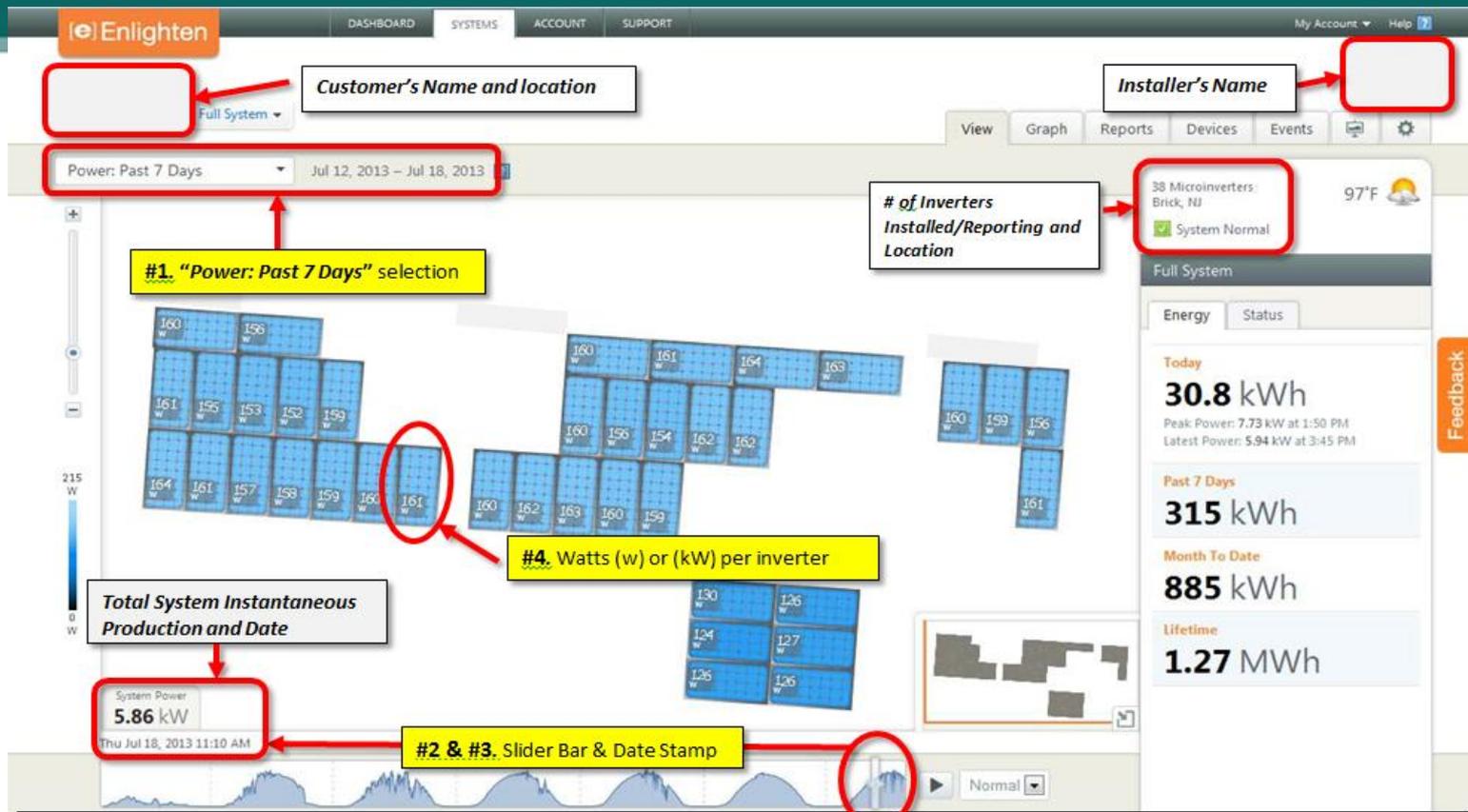


Production Screen Captures

- “Instantaneous kW AC Production” and “Lifetime kWh Production (ANSI c.12.1-2008)” screen capture or photo required for all on-site Verifications
- If data is unavailable, Inspector will request from Contractor or site host contact (if present and available during site visit)
- Proactive delivery of kW AC and/or kWh reading
- Data represent the **Date of Site-Verification**
- Enphase Enlighten 7-day window for data vs. Response Time
- (RARE: Case-by-case) Inoperable Enphase Envoy EMU = submit a PV Commissioning Form with actual (not rated output) VOC & IMP branch circuit measurements.



Production Screen Captures

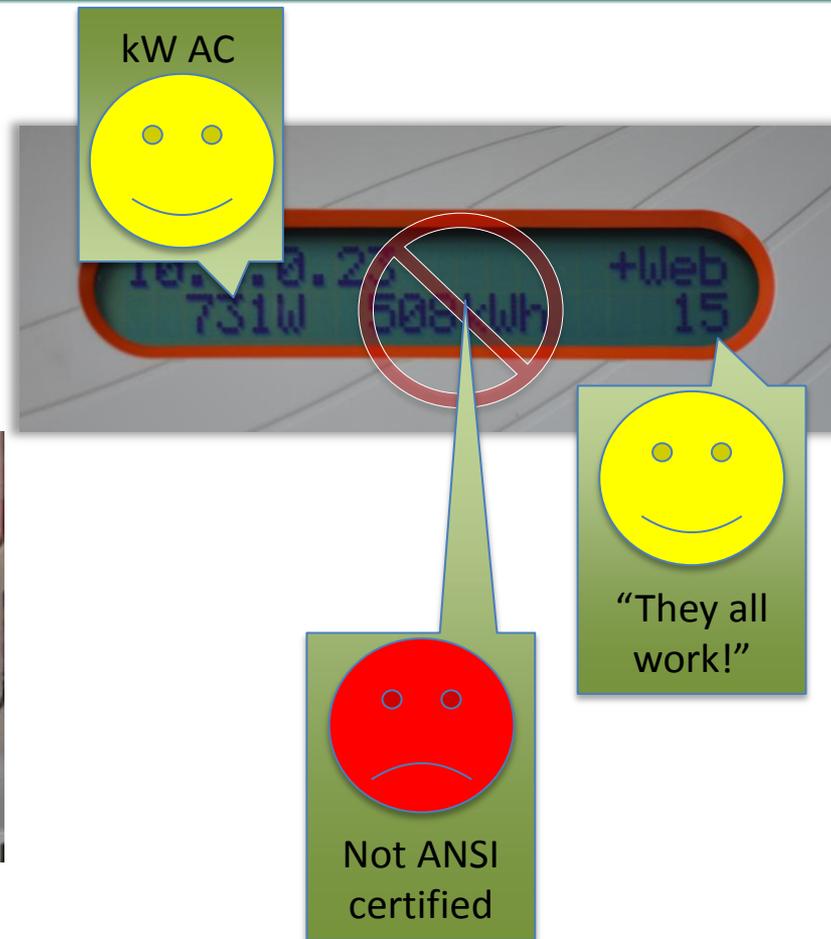
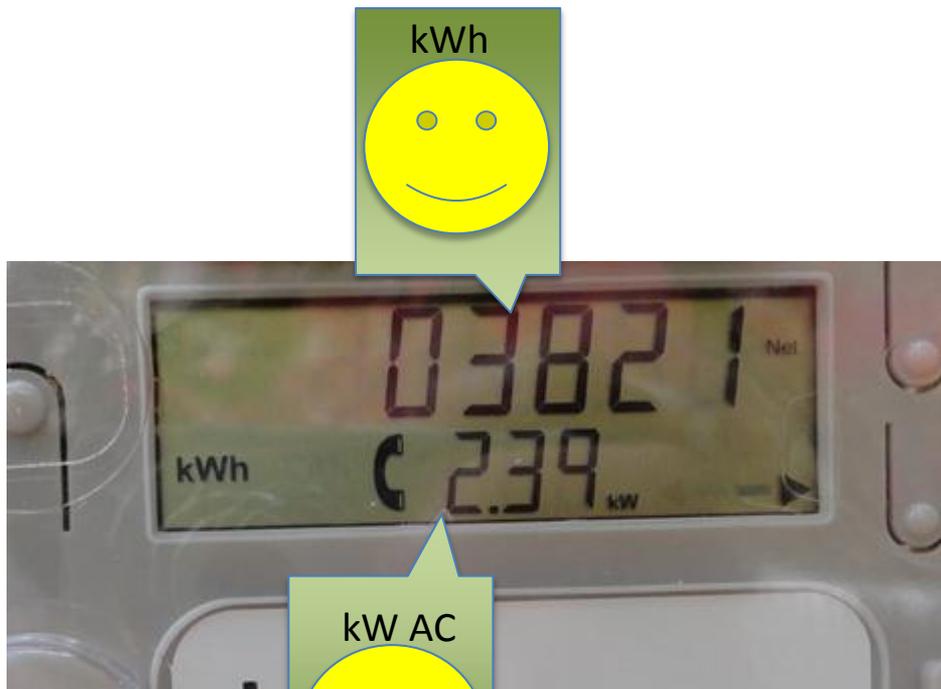


Directions for locating "Instantaneous Production" within the Enphase Enlighten Portal (Not available in "Guest" login)

1. Locate and click the "Power: Past 7 Days" selection in the drop-down menu
2. Use the slider bar to pinpoint the date/time of the "Instantaneous AC Power Production" reading in watts (w) or kilowatts (kW).
3. Reference the Date/Time stamp as you move the slider bar.
4. The text on the module diagrams should display either Watts (w) or Kilowatts (kW). If the slider shows "Watt Hours (wh) or Kilowatt Hours (kWh), then you are on the wrong screen. Repeat Steps.
5. Once the desired screen has been located, use the screen capture function of your computer and submit a copy to the NJCEP for review.



Production Screen Captures





DC Labeling

Trina Model #TSM-240PA05 240 Watt				
MAXIMUM OPERATING CURRENT IPMAX I _{pmax} of Module x number of strings in parallel	Number of Strings		Module Max IMP	IPMAX
	3		7.89	23.67
MAXIMUM OPERATING VOLTAGE V _{Max} of Module x number of modules	Quantity	VOC	Correction NEC 690.7	VPMAX
	10	37.2		372
Maximum System Voltage VOC x Number of Mods x Correction Factor NEC690.7	10	37.2	1.13	420.36
Short Circuit Current ISC x Number of source circuits in parrallel x 125%	Circuits	ISC		
	3	8.37		31.3875
<u>INVERTER</u>				
MAXIMUM OPERATING CURRENT- IPMAX	23.67			
MAXIMUM OPERATING VOLTAGE- VPMAX	372			
MAXIMUM SYSTEM VOLTAGE	420.36			
SHORT CIRCUIT CURRENT- ISC	31.3875			



Best Practices

- Make sure the system is turned on before the Site Verification
 - Circuit breakers are found “Off”
 - DC Disconnects are found “Off”
 - Inform/contact the Site Host Contact how and when to turn on once utility meter has been changed and verify operation **OR**
 - Send a representative to turn the system on and verify operation.
 - Site Host Contacts can be unaware of inoperable systems, especially when they don't have a vested interest.
- Communicate with customers about probability of an On-Site Verification
 - Many customers are unaware that there may be an on-site verification performed by Program Inspectors
 - Ensure that the inverter location is properly identified on the technical worksheet



NREL Hyperlinks

- **Proposed phase-out within 6 months**
 - PVWatts Version 1
 - <http://rredc.nrel.gov/solar/calculators/PVWATTS/version1/>
 - PVWatts Version 2
 - http://gisatnrel.nrel.gov/PVWatts_Viewer/index.html
- **System Adviser Model (SAM)**
 - <https://sam.nrel.gov/>
- **Consolidated/Updated Version** (available 9/8/14)
 - NREL's PVWatts Calculator
 - <http://pvwatts.nrel.gov/>



EDC Approval to Operate Notification

- EDC Approval to Operate must be included with the Final As-Built packet
- Interconnection applications are **NOT** acceptable as a final EDC Approval to Operate
- For EDC Approvals that are sent via email, (Ex. JCP&L) the entire e-mail including the date it was sent is required
- If the EDC Approval includes an account number, the account number must match what was on the initial SRP Registration form and the corresponding utility bill
 - If the account number has changed, you will need to submit a revised SRP Registration form with a copy of the new utility bill



Extension, Cancellations and Expirations

When will I receive my SRP Acceptance letter?

Once the SRP Registration has been deemed complete an SRP Acceptance letter will be issued to the system owner and a copy is sent to the registrant, installer and site host. SRP Registrations are reviewed in date order. See SRP Homepage for changes to timeline.

How do I cancel a project?

The system owner/site host must submit a signed letter cancelling the project and referencing the SRP Registration project number, site host contact, installation address and system size.

Can I apply for an extension?

If a project can not be completed within the 12 month timeline, the applicant may be eligible for a 6 month extension. The extension request must be submitted on or before the expiration date established in the SRP Acceptance letter. See extension policy.

Why did I receive a letter deactivating my SRP Registration?

The Final As Built packet was not submitted and the expiration date for your SRP Registration has passed. Pre-expiration emails are sent to the installer 30-45 days prior to the expiration date for each project notifying the of the approaching expiration date.



Adding New Capacity to Existing System

- If capacity is being added to an existing system, a new SRP Registration must be submitted for the add-on capacity regardless of system size.
- The SRP Registration must comply with the Chapter 8 rules governing the SRP submittal requirements and must include all required documents listed on the SRP Registration Checklist.
- The existing system SRP Registration number and capacity should be referenced with the SRP Registration packet.



Adding New Capacity to Existing System (cont.)

Options

- Registrants may elect to add the capacity to the existing NJ Certification Number utilizing the existing ANSI C12.1-2008 SREC generation meter. In these cases, the additional capacity will be subject to the remaining qualification life that is applicable to the original NJ Certification Number and will be issued the same NJ Certification Number from the original system.
- If the add-on SRP Registration has been deemed non-compliant based on the Chapter 8 rules governing SRP submittal requirements, a new ANSI C12.1-2008 SREC generation meter will be required to be installed for the add-on capacity that is noted in the SRP Registration packet. If the add-on SRP Registration is accepted as non-compliant, a distinct NJ Certification Number for the additional capacity will be issued.
- If a new ANSI C12.1-2008 SREC meter is installed for the new capacity and the SRP Registration is deemed compliant, a distinct NJ Certification number will be issued with a new qualification life.
- Registrants may elect to develop their project through one or more project phases with each phase eligible for a unique 15-year qualification life. Each project phase must apply for and obtain a unique SRP Registration number and install a dedicated ANSI C12.1-2008 revenue grade meter recording the system output that will be used to determine SREC generation for that project phase. Each of these project phases will receive a unique NJ Certification Number. If only one ANSI C-12 1-2008 revenue grade meter is installed and all project phases are tied into the same ANSI C-12 1-2008 revenue grade meter, each SRP Registration will received the same NJ Certification Number and the same 15 year qualification life regardless of the EDC notification date.



Changes or Replacements of Major System Components

Major system components consist of; solar electric (photovoltaic) modules, inverters, mounting system, meter, transformers

- If the existing system is being replaced with **all** new major components, a new SRP Registration must be submitted. (BP Solar)
- If all of the major components are “new”, a new NJ Certification Number will be issued and the project will be eligible for a new 15 year SREC qualification life.
- Must comply with all SREC Registration Program requirements
- Include cover letter with SRP Registration referencing project number (BPU,REIP, SRP) of existing project

Individual system components;

- If the existing system is being replaced with individual components, a System Change Form is required to be submitted to PJM-GATS reflecting these changes to the system.
- The Market Manager is not required to be notified of individual component changes.



Changes to System Ownership

For Active SRP Registrations

- If the NJ Certification Number has not been assigned and the SRP Registration is active, a revised SRP Registration form must be submitted together with a contract reflecting the new system owner
- The revised information will be adjusted in the project tracking system and the NJ Certification Number will be assigned to the appropriate system owner

For Completed SRP Registrations

- The original system owner will be required to submit a [Schedule A Form](#) to PJM-GATS with the appropriate signatures
- PJM-GATS will transfer the ownership to the new system owner
- If the NJ Certification Number has been assigned the Market Manager is not required to be notified of this change in ownership
- If the original system owner is unable to be contacted, the new proposed owner will be required to submit a [System Change Form](#), Agreement of Sale and/or additional documentation (as requested) to PJM-GATS



SRP Registration Timelines

The SRP Registration Trend graph is updated every two weeks with the SRP Registration timelines for issuing SRP Acceptance Letters

The current timelines for issuing an SRP Acceptance Letter is 6 weeks from the date the SRP Registration submitted to the Market Manager

Timelines

Home » Renewable Energy » Programs

SREC Registration Program

New Jersey is one of the fastest growing markets for solar photovoltaic in the United States. Much of this success is due to New Jersey's Solar Financing Model, which relies on a high Renewable Portfolio Standard (RPS) and the use of Solar Renewable Energy Certificates (SRECs).

Happy 10th Birthday to the NJSREC Market! SREC meters began recording electricity in March 2004 toward creation of the first SRECs starting August 2004 on the NJ Behind-the-Meter REC system, established by the Board as a predecessor to the PJM-EIS Generation Attribute Tracking System (GATS).

What is the SREC Registration Program?

The *SREC Registration Program* (SRP) is used to register the intent to install solar projects in New Jersey. Rebates are not available for solar projects, but owners of solar projects **MUST** register their projects in the SRP prior to the start of construction in order to establish the project's eligibility to earn SRECs. 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 and insight into future SREC pricing.

After the registration is accepted, construction is complete, and final paperwork has been submitted and is deemed complete, the project is issued a New Jersey certification number which enables it to generate New Jersey SRECs. SREC's are generated once the solar project has been authorized to be energized by the Electric Distribution Company (EDC).

Solar rebated projects that were previously accepted through the *Renewable Energy Incentive*

SRP Registration Trend

Month	2012	2013	2014
Jan	500	500	500
Feb	576	576	576
Mar	609	609	609
April	943	943	943
May	1100	1100	1100
June	1334	1334	1334
July	1300	1300	1300
Aug	1100	1100	1100
Sept	800	800	800
Oct	700	700	700
Nov	700	700	700
Dec	700	700	700

- SRP Registrations received through 7/28/14 were accepted the week of 9/15/14
- Due to SRP Registration volumes the timelines have increased to 6-7 weeks for issuing SRP Acceptance letters.



Additional Resources

- [Project Activity Reports](http://www.njcleanenergy.com/projectreports)
<http://www.njcleanenergy.com/projectreports>
- [Project Status Reports](http://www.njcleanenergy.com/statusreports)
[http://www.njcleanenergy.com/status reports](http://www.njcleanenergy.com/statusreports)
- [SREC Pricing](http://www.njcleanenergy.com/srecpricing)
<http://www.njcleanenergy.com/srecpricing>



Contact Information

Melissa Zito- melissa.zito@csgroup.com

Verifications, Inspections and Waiver Notifications and all Renewable Scheduling

Theresa Baker *formerly*, Theresa Heller- theresa.baker@csgroup.com

Final As-Built, Extensions, Expirations

Michelle Spargioren- michelle.spargioren@csgroup.com

Initial SRP Registrations, Grid Supply Projects, Initial Registration Deficiencies>Returns

Andrew Lee- andrew.lee@csgroup.com

NJ Certification Letters

Cynthia Surman- cynthia.surman@csgroup.com

Final As-Built Packet and Certified letters

Program Inspectors:

Jeremiah Diaz- jeremiah.diaz@csgroup.com

Robert Menist-robert.a.menist@honeywell.com

Paul Avery-paul.avery@csgroup.com

General Program

Inquiries

njreinfo@csgroup.com

1-866-NJSMART



Q&A



For More Information

Visit NJCleanEnergy.com

Call (866) NJSMART

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