THE CITY OF ORANGE TOWNSHIP HISTORIC PRESERVATION COMMISSION

APPLICATION NUMBER: A6211-23 DATE RECEIVED: 5/26/23

MEETING DATE: 6/21/23 MEETING DATE: _____

NAME: Angela + Martin Bowman

PHONE: 973-294-8930 E-MAIL: mbowman644@gmail.com

NAME: _____

PHONE: _____ E-MAIL: _____

BLOCK: 6601 LOT 25 ☐ ORANGE VALLEY ☒ MONTROSE SEVEN OAKS PARK ☐ MAIN STREET ☐ ST JOHN'S

ADDRESS: 644 Mosswood Avenue, Orange NJ 07050

PROPOSED WORK: _____

■ PHOTOS ☐ SURVEY ☐ STRUCTURAL CERTIFICATION ☐ SKETCHES ☐ MATERIAL SPECIFICATIONS ☑ SITE PLAN

APPLICATION FEE: $70 ☐ CHECK NO: 235 ☒ RECEIPT NO: 4998 ☐ ONLIINE: _____

☐ TRC: _____ ☐ APPROVED _____ ☐ DENIED _____ ☐ RESCHEDULED _____

☐ APPROVAL LETTER _____ ☐ RESOLUTION NUMBER _____ ☐ RESOLUTION DATE _____

CITY OF ORANGE HISTORIC PRESERVATION COMMISSION
ORANGE CITY HALL
29 North Day Street, Orange, New Jersey 07050
PHONE (973) 266-4025 - FAX (973) 672-6643

CITY OF ORANGE PRESERVATION COMMISSION
APPLICATION FOR CERTIFICATION OF APPROPRIATENESS

DATE RECEIVED 5/26/2023 **APPLICATION #** A-6211-23

APPLICANT(S):

Name of Applicant(s): Angela Bowman / Martin Bowman

Address: 644 Mosswood Ave **Email:** _____

Tele. #: (Day) 973 294 8930 **(Eve)** _____ **(Fax)** _____

973 294 8930

Relationship of Applicant to Property owner:

Owner(s) ✓ **Lessee [ ] Prop. Under Contract [ ] Other (Specify) [ ]**

Explanation if Other: _____

OWNER(S), IF DIFFERENT THAN APPLICANT:

Name(s) of Owner(s): Angela Bowman

Address: 644 Mosswood Ave Orange NJ 07050 **Email:** mbowman644@gmail.com

Telephone Number: (Day) 973 294 8930 **(Eve)** _____

Street Address of the Property that is subject of Application: 644 Mosswood Ave Orange NJ 07050

Tax Block: 6601 **Lot:** 25

Name of Historic District in which Property lies: Seven Oaks Historic District

Existing use of the Property: residential

Existing zoning of the Property: R-1 One Family Residential

Describe in detail the proposed work to be done at the Property.

Install Solar energy panels on roof.
10 - Trina Solar, TSM-330DE 09C.07 panels

Explain how you plan to prevent, minimize and mitigate any adverse effects to this Property, to nearby historically significant properties, and to the Historic District?

There will be no adverse effects to this property or nearby properties from this installation.

Each Application must be accompanied by sketches, drawings, photographs, descriptions or other information sufficient to show the proposed alterations, additions, changes or new construction. The Commission may require the subsequent submission of such additional materials as it reasonably requires to make an informed decision. A submission shall include:

- **A photograph of each elevation of the structure.**

- **Ten (10) copies of drawings, photographs, material brochures, samples, specifications or information that may be necessary to assist the Commission. Copies may be submitted electronically, or by CD or flash drive.**

- **Ten (10) copies of a survey, or if applicable, a site plan showing the location of new and existing structures on the site and their location with respect to the building line, property line, and the front of those buildings or structures immediately adjacent to each side of the lot to be built upon.**

- **Ten (10) copies of façade elevation(s), if applicable, of the proposed work in sufficient detail to identify the limits and location of the proposed work, and existing and proposed materials to be used.**

- **$70.00 Application fee (check or money order made to the City of Orange).**

By signing this Application, I hereby certify that the owner of record authorizes the proposed work and I have been authorized by the owner to make this Application as his/her authorized agent. By signing this Application, the owner hereby grants authorization to the Commission members, and its professional and support staff to enter the Property in question for inspection purposes. By signing this application I further agree that the attorney's and professional staff's review of my application is chargeable to me and that I agree to pay for such review separately from the application fee, by depositing an escrow payment of $_____.

Signature of Applicant(s) _____ _____
(Print Name) Angela Bowman MARTIN A. Bowman

Date 5-25-2023

Signature of Owner(s) (if different than Applicant) _____
(Print Name) Angela Bowman

Date 5-25-2023

Submittal of this Application form-properly signed, with the indicated copies of documents and the Application fee will constitute a complete Application. Upon receipt of a complete Application, the Board Secretary will schedule the Application with the Commission. The Applicant delays his/her own Application if all of these required items are not submitted. The Commission shall reach a decision on the Application within forty-five (45) days of submission of a complete Application. The Applicant must appear in front of the Commission in order to present the Application during the public hearing on the scheduled date.

AB
Telephone: 973-294-8938 **Fax:** _____ **Website:** _____
MB 973-294-8930

Receipt 4998
Check no# 235

My Custom Solar Design

Prepared by Alisa Figueroa, 02/14/2023

Electrical Panel Location (**Basement**) Inverter Location (**Exterior**) Roofs

My Information

ANGELA BOWMAN
644 Mosswood Ave
City of Orange, NJ 07050

System

Annual Usage	4,510 kWh
Estimated System Size	3.90 kWp
Estimated Annual System Production	4,448 kWh
Estimated Energy Offset	99%

Modules	(10) Trina Solar, TSM-390DE09C.07
Inverters	1 x SolarEdge Technologies SE3800H-USMN

Approval

I have reviewed My Custom Solar Design and approve of the placement of solar panels identified above. I understand that the actual number of panels and their precise placement may vary based on engineering, installation, and solar energy production considerations, including roof type, shade, and other factors.

DocuSigned by:
A0809B283CD245A...
Customer Signature

2/27/2023
Date

WARNING

ELECTRICAL SHOCK HAZARD

TERMINALS ON LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL LOCATION:
INVERTER(S), AC/DC DISCONNECT(S), AC COMBINER PANEL (IF APPLICABLE).
PER CODE(S): NEC 2020: 690.13(B), CEC 2022: 690.13(B)

WARNING

DUAL POWER SUPPLY

SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

LABEL LOCATION:
UTILITY SERVICE METER AND MAIN SERVICE PANEL.
PER CODE(S): NEC 2020: 705.12(C), CEC 2022: 705.12(C)

WARNING

POWER SOURCE OUTPUT CONNECTION

DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL LOCATION:
ADJACENT TO PV BREAKER AND ESS OCPD (IF APPLICABLE).
PER CODE(S): NEC 2020: 705.12(B)(3)(2), CEC 2022: 705.12(B)(3)(2)

WARNING

THIS EQUIPMENT FED BY MULTIPLE SOURCES. TOTAL RATING OF ALL OVERCURRENT DEVICES EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE SHALL NOT EXCEED AMPACITY OF BUSBAR

LABEL LOCATION:
PV LOAD CENTER (IF APPLICABLE) AND ANY PANEL THAT UTILIZES "THE SUM OF BREAKERS RULE".
PER CODE(S): NEC 2020: 705.12 (B)(3)(3), CEC 2022: 705.12 (B)(3)(3)

PV SYSTEM DISCONNECT

MAXIMUM AC OPERATING CURRENT: 16 AMPS

NOMINAL OPERATING AC VOLTAGE: 240 VAC

LABEL LOCATION:
AC DISCONNECT(S). PHOTOVOLTAIC SYSTEM POINT OF INTERCONNECTION.
PER CODE(S): NEC 2020: 690.54, CEC 2022: 690.54

INVERTER 1

PHOTOVOLTAIC DC DISCONNECT

MAXIMUM SYSTEM VOLTAGE: 480 VDC

LABEL LOCATION:
INVERTER(S), DC DISCONNECT(S).
PER CODE(S): NEC 2020: 690.53, CEC 2022: 690.53

WARNING: PHOTOVOLTAIC POWER SOURCE

LABEL LOCATION:
INTERIOR AND EXTERIOR DC CONDUIT EVERY 10 FT, AT EACH TURN, ABOVE AND BELOW PENETRATIONS, ON EVERY JB/PULL BOX CONTAINING DC CIRCUITS.
PER CODE(S): NEC 2020: 690.31(D)(2), CEC 2022: 690.31(D)(2)

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL LOCATION:
INSTALLED WITHIN 3' OF RAPID SHUT DOWN SWITCH PER CODE(S): NEC 2020: 690.56(C)(2), CEC 2022: 690.56(C)(2), IFC 2018: 1204.5.3

4"

3"

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

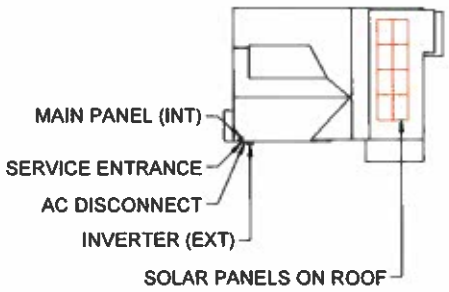
TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY.

LABEL LOCATION:
ON OR NO MORE THAT 1 M (3 FT) FROM THE SERVICE DISCONNECTING MEANS TO WHICH THE PV SYSTEMS ARE CONNECTED.
PER CODE(S): NEC 2020: 690.56(C), CEC 2022: 690.56(C)

NOTES AND SPECIFICATIONS:
- SIGNS AND LABELS SHALL MEET THE REQUIREMENTS OF THE NEC 2020 ARTICLE 110.21(B), UNLESS SPECIFIC INSTRUCTIONS ARE REQUIRED BY SECTION 690, OR IF REQUESTED BY THE LOCAL AHJ.
- SIGNS AND LABELS SHALL ADEQUATELY WARN OF HAZARDS USING EFFECTIVE WORDS, COLORS AND SYMBOLS.
- LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN.
- LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- SIGNS AND LABELS SHALL COMPLY WITH ANSI Z535.4-2011, PRODUCT SAFETY SIGNS AND LABELS, UNLESS OTHERWISE SPECIFIED.
- DO NOT COVER EXISTING MANUFACTURER LABELS.

CAUTION:

MULTIPLE SOURCES OF POWER



644 MOSSWOOD AVE, CITY OF ORANGE, NJ, 07050

PER CODE(S): NEC 2020: 705.10, 710.10, CEC 2022: 705.10, 710.10

sunrun

ELC#34EL01574500

21 WORLDS FAIR DR., SOMERSET NJ 08873
PHONE 732.652.7770
FAX 732.868.8909

CUSTOMER RESIDENCE:
DORISKA POTTER
644 MOSSWOOD AVE, CITY OF ORANGE, NJ, 07050

TEL: (973) 294-8930
APN: 17-08801-0000-00025

PROJECT NUMBER:
201R-644BOWM

DESIGNER: (415) 580-6920 ex3
JOE BERLIN

SHEET
SIGNAGE

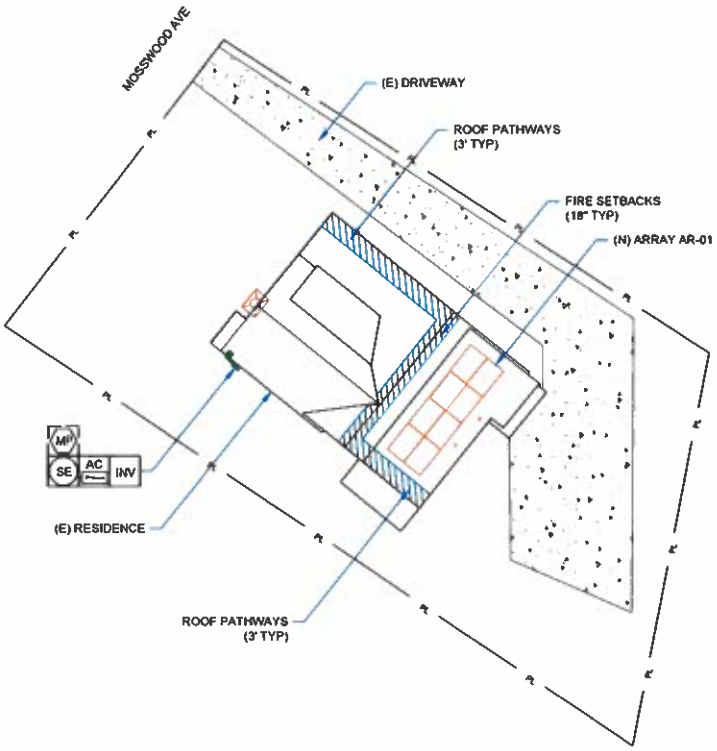
REV: A2 4/28/2023

PAGE PV-5.0

Template_version_v1.0.0

SITE PLAN - SCALE = 1/16" = 1'-0"

	ARRAY PITCH	TRUE AZIM	MAG AZIM	PV AREA (SQFT)
AR-01	19°	129°	141°	165.6



NOTES:
- RESIDENCE DOES NOT CONTAIN ACTIVE FIRE SPRINKLERS.

ARRAY DETAILS:
- TOTAL ROOF SURFACE AREA: 1600 SQFT.
- TOTAL PV ARRAY AREA: 165.6 SQ FT.
- PERCENTAGE PV COVERAGE:
  (TOTAL PV ARRAY AREA/TOTAL ROOF SURFACE AREA) * 100 = 10.4%

sunrun

ELC#34EL01574500

11 WORLDS FAIR DR., SOMERSET, NJ 08873
Perfect 732.222.7200
FAX 732.356.4399

CUSTOMER RESIDENCE:
DORISKA POTTER
644 MOSSWOOD AVE. CITY OF ORANGE, NJ, 07050

TEL. (973) 294-8930
APN: 17-06601-0000-00025

PROJECT NUMBER:
201R-644BOWM

DESIGNER: (415) 580-6920 ex3
JOE BERLIN

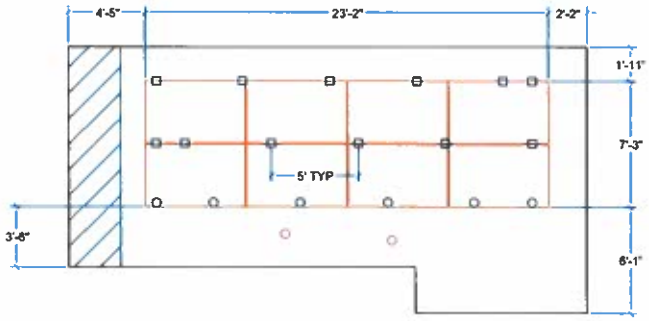
SHEET
SITE PLAN

REV: A2 4/28/2023

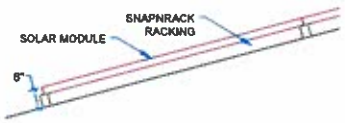
PAGE PV-2.0

ROOF INFO			FRAMING INFO			ATTACHMENT INFORMATION					
Name	Type	Height	Type	Max Span	OC Spacing	Detail	Max Landscape OC Spacing	Max Landscape Overhang	Max Portrait OC Spacing	Max Portrait Overhang	Configuration
AR-01	COMP SHINGLE - RLU	2-Story	2X6 RAFTERS	13' - 7"	20"	RL UNIVERSAL, SPEEDSEAL TRACK ON COMP. SEE DETAIL SNR-DC-00436	5' - 0"	2' - 0"	3' - 4"	1' - 8"	STAGGERED

D1 - AR-01 - SCALE: 3/16" = 1'-0"
AZIM: 129°
PITCH: 19°



MODULE ELEVATION DETAIL - SCALE: NTS



STRUCTURAL NOTES:
INSTALLERS SHALL NOTIFY ENGINEER OF ANY POTENTIAL STRUCTURAL ISSUES OBSERVED PRIOR TO PROCEEDING W/ INSTALLATION.

- IF ARRAY (EXCLUDING SKIRT) IS WITHIN 12" BOUNDARY REGION OF ANY ROOF PLANE EDGES (EXCEPT VALLEYS), THEN ATTACHMENTS NEED TO BE ADDED AND OVERHANG REDUCED WITHIN THE 12" BOUNDARY REGION ONLY AS FOLLOWS:
  - ALLOWABLE ATTACHMENT SPACING INDICATED ON PLANS TO BE REDUCED BY 50%.
  - ALLOWABLE OVERHANG INDICATED ON PLANS TO BE 1/5TH OF ALLOWABLE ATTACHMENT SPACING INDICATED ON PLANS.

DESIGN CRITERIA

MAX DISTRIBUTED LOAD: 3 PSF
SNOW LOAD: 25 PSF
WIND SPEED:
114 MPH 3-SEC GUST.
S.S. LAG SCREW
5/16"x6.5"x2.5" MIN. EMBEDMENT

sunrun

ELC#34EL01574500

31 WORLDS FAIR DR., SOMERSET, NJ 08873
PHONE 732.232.7230
FAX 732.356.5300

CUSTOMER RESIDENCE:
DORISKA POTTER
644 MOSSWOOD AVE, CITY OF ORANGE, NJ, 07050

TEL. (973) 294-8930
APN: 17-06801-0000-00025

PROJECT NUMBER:
201R-644BOWM

DESIGNER: (415) 580-6920 ex3
JOE BERLIN

SHEET
LAYOUT

REV: A2 4/28/2023

PAGE PV-3.0

WARNING

ELECTRICAL SHOCK HAZARD

TERMINALS ON LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL LOCATION:
INVERTER(S), AC/DC DISCONNECT(S), AC COMBINER PANEL (IF APPLICABLE).
PER CODE(S): NEC 2020: 690.13(B), CEC 2022: 690.13(B)

WARNING

DUAL POWER SUPPLY

SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

LABEL LOCATION:
UTILITY SERVICE METER AND MAIN SERVICE PANEL.
PER CODE(S): NEC 2020: 705.12(C), CEC 2022: 705.12(C)

WARNING

POWER SOURCE OUTPUT CONNECTION

DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL LOCATION:
ADJACENT TO PV BREAKER AND ESS OCPD (IF APPLICABLE).
PER CODE(S): NEC 2020: 705.12(B)(3)(2). CEC 2022: 705.12(B)(3)(2)

WARNING

THIS EQUIPMENT FED BY MULTIPLE SOURCES. TOTAL RATING OF ALL OVERCURRENT DEVICES EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE SHALL NOT EXCEED AMPACITY OF BUSBAR

LABEL LOCATION:
PV LOAD CENTER (IF APPLICABLE) AND ANY PANEL THAT UTILIZES "THE SUM OF BREAKERS RULE".
PER CODE(S): NEC 2020: 705.12 (B)(3)(3), CEC 2022: 705.12 (B)(3)(3)

PV SYSTEM DISCONNECT

MAXIMUM AC OPERATING CURRENT: 16 AMPS

NOMINAL OPERATING AC VOLTAGE: 240 VAC

LABEL LOCATION:
AC DISCONNECT(S), PHOTOVOLTAIC SYSTEM POINT OF INTERCONNECTION.
PER CODE(S): NEC 2020: 690.54, CEC 2022: 690.54

INVERTER 1

PHOTOVOLTAIC DC DISCONNECT

MAXIMUM SYSTEM VOLTAGE 480 VDC

LABEL LOCATION:
INVERTER(S), DC DISCONNECT(S).
PER CODE(S): NEC 2020: 690.53, CEC 2022: 690.53

WARNING: PHOTOVOLTAIC POWER SOURCE

LABEL LOCATION:
INTERIOR AND EXTERIOR DC CONDUIT EVERY 10 FT. AT EACH TURN, ABOVE AND BELOW PENETRATIONS. ON EVERY JB/PULL BOX CONTAINING DC CIRCUITS.
PER CODE(S): NEC 2020: 690.31(D)(2), CEC 2022: 690.31(D)(2)

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL LOCATION:
INSTALLED WITHIN 3' OF RAPID SHUT DOWN SWITCH PER CODE(S): NEC 2020: 690.56(C)(2), CEC 2022: 690.56(C)(2), IFC 2018: 1204.5.3

4"

3"

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

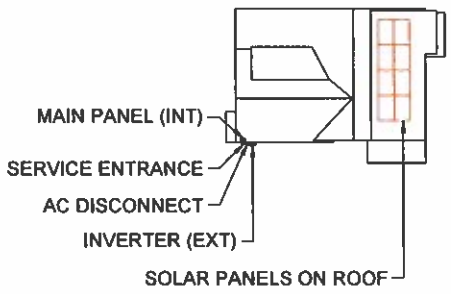
TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY.

LABEL LOCATION:
ON OR NO MORE THAT 1 M (3 FT) FROM THE SERVICE DISCONNECTING MEANS TO WHICH THE PV SYSTEMS ARE CONNECTED.
PER CODE(S): NEC 2020: 690.56(C), CEC 2022: 690.56(C)

NOTES AND SPECIFICATIONS:
- SIGNS AND LABELS SHALL MEET THE REQUIREMENTS OF THE NEC 2020 ARTICLE 110.21(B). UNLESS SPECIFIC INSTRUCTIONS ARE REQUIRED BY SECTION 690, OR IF REQUESTED BY THE LOCAL AHJ.
- SIGNS AND LABELS SHALL ADEQUATELY WARN OF HAZARDS USING EFFECTIVE WORDS, COLORS AND SYMBOLS.
- LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN.
- LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- SIGNS AND LABELS SHALL COMPLY WITH ANSI Z535.4-2011, PRODUCT SAFETY SIGNS AND LABELS, UNLESS OTHERWISE SPECIFIED.
- DO NOT COVER EXISTING MANUFACTURER LABELS.

CAUTION:

MULTIPLE SOURCES OF POWER



644 MOSSWOOD AVE, CITY OF ORANGE, NJ, 07050

PER CODE(S): NEC 2020: 705.10, 710.10, CEC 2022: 705.10, 710.10

sunrun

ELC#34EL01574500

31 MORRIS FAIR DR. SOMERSET, NJ 08873
Phone 732.332.7256
FAX 732.868.4369

CUSTOMER RESIDENCE:
DORISKA POTTER
644 MOSSWOOD AVE, CITY OF ORANGE, NJ, 07050

TEL. (973) 294-6930
APN: 17-06601-0000-00025

PROJECT NUMBER:
201R-644BOWM

DESIGNER (415) 580-6920 ex3
JOE BERLIN

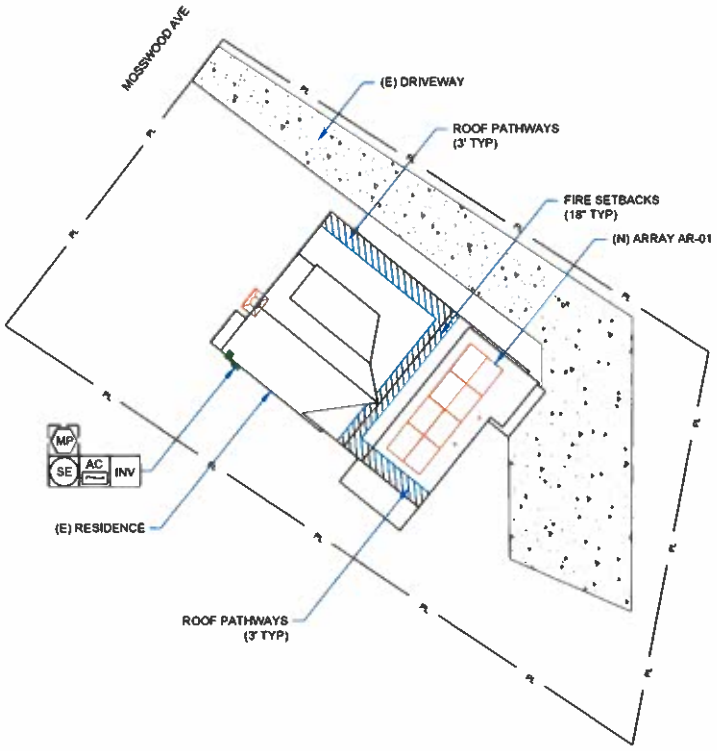
SHEET
SIGNAGE

REV: A2 4/28/2023

PAGE PV-5.0

SITE PLAN - SCALE = 1/16" = 1'-0"

	ARRAY PITCH	TRUE AZIM	MAG AZIM	PV AREA (SQFT)
AR-01	19°	129°	141°	165.6



NOTES:
- RESIDENCE DOES NOT CONTAIN ACTIVE FIRE SPRINKLERS.

ARRAY DETAILS:
- TOTAL ROOF SURFACE AREA: 1600 SQFT.
- TOTAL PV ARRAY AREA: 165.6 SQ FT.
- PERCENTAGE PV COVERAGE: (TOTAL PV ARRAY AREA/TOTAL ROOF SURFACE AREA) * 100 = 10.4%

sunrun

ELC#34EL01574500

[redacted]

CUSTOMER RESIDENCE:
DORISKA POTTER
644 MOSSWOOD AVE. CITY OF ORANGE, NJ, 07050

TEL: (973) 294-8930
APN: 17-06801-0000-00025

PROJECT NUMBER:
201R-644BOWM

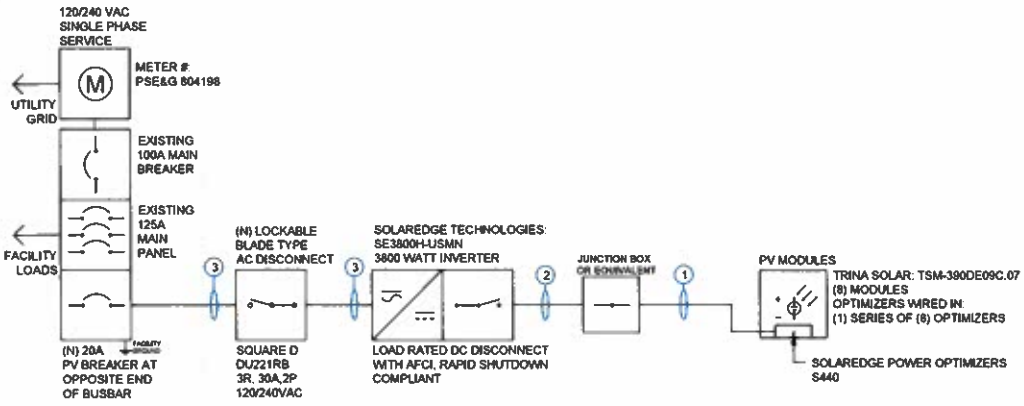
DESIGNER: (415) 580-6920 ex3
JOE BERLIN

SHEET
SITE PLAN

REV: A2 4/28/2023

PAGE PV-2.0

Template_version_4.0.68



CONDUIT SCHEDULE

#	CONDUIT	CONDUCTOR	NEUTRAL	GROUND
1	NONE	(2) 10 AWG PV WIRE	NONE	(1) 10 AWG BARE COPPER
2	3/4" PVC OR EQUIV.	(2) 10 AWG THHN/THWN-2	NONE	(1) 10 AWG THHN/THWN-2
3	3/4" PVC OR EQUIV.	(2) 10 AWG THHN/THWN-2	(1) 10 AWG THHN/THWN-2	(1) 8 AWG THHN/THWN-2

MODULE CHARACTERISTICS

TRINA SOLAR: TSM-390DE09C.07:	390 W
OPEN CIRCUIT VOLTAGE:	40.8 V
MAX POWER VOLTAGE:	33.8 V
SHORT CIRCUIT CURRENT:	13.35 A

S440 OPTIMIZER CHARACTERISTICS:

MIN INPUT VOLTAGE	8 VDC
MAX INPUT VOLTAGE	60 VDC
MAX INPUT ISC	14.5 ADC
MAX OUTPUT CURRENT	15 ADC

SYSTEM CHARACTERISTICS - INVERTER 1

SYSTEM SIZE:	3120 W
SYSTEM OPEN CIRCUIT VOLTAGE:	8 V
SYSTEM OPERATING VOLTAGE:	380 V
MAX ALLOWABLE DC VOLTAGE:	480 V
SYSTEM OPERATING CURRENT:	8.21 A
SYSTEM SHORT CIRCUIT CURRENT:	15 A

sunrun

ELC#34EL01574500

21 WORDEN FARM DR., SOMERSET, NJ 08873
PHONE 732.652.7200
FAX 732.356.5300

CUSTOMER RESIDENCE:
DORISKA POTTER
644 MOSSWOOD AVE. CITY OF ORANGE, NJ, 07050

TEL: (973) 294-8930
APN: 17-06501-0000-00025

PROJECT NUMBER:
201R-644BOWM

DESIGNER: (415) 580-6920 ex3
JOE BERLIN

SHEET
ELECTRICAL

REV: A2 4/28/2023

PAGE PV-4.0

Gmail

Martin Bowman <mbowman644@gmail.com>

ADI Application Number NJADRE1553296461 - Conditional Acceptance

1 message

donotreply@programprocessing.com <donotreply@programprocessing.com> Wed, May 24, 2023 at 4:07 PM
Reply-To: njreinfo@njcleanenergy.com
To: mbowman644@gmail.com

05/24/2023

Ayn Ramos
Sunrun, Inc.
225 Bush St.
Ste 1400
San Francisco, CA 94104

ADI Project Number NJADRE1553296461 - **Conditional Acceptance**

Dear Ayn Ramos :

We are pleased to inform you the above solar project has been conditionally accepted in the Administratively Determined Incentive Program within New Jersey's Successor Solar Incentive Program and has been assigned a Registration Number NJADRE1553296461. The project has been conditionally accepted with a 3.12 **kW (DC)** solar electric system. The final acceptance of this initial registration is conditioned on completing the solar installation and commencing commercial operation on or before the expiration date of **05/24/2024**.

Pursuant to the Clean Energy Act of 2018 (L. 2018, c.17) and the Solar Act of 2021 (L. 2021, c. 169), the New Jersey Board of Public Utilities (NJBPU) has established a new Successor Solar Incentive Program (SuSI) by Board Order dated July 28, 2021. The SuSI Program replaces the SREC Registration Program (SRP), which was closed to new registration on April 30, 2020, and the Transition Incentive Program (TI), which provided a bridge between the Legacy SRP and the Successor Solar Incentive Program. The SuSI Program provides incentives to eligible solar facilities to enable the continued efficient and orderly development of solar electric generating sources throughout the State. The SuSI Program is comprised of two sub-programs: the Administratively Determined Incentive Program (ADI) and the Competitive Solar Program (CSI). The ADI Program opened to new registrations on August 28, 2021.

Your ADI Registration packet provided us with the following information regarding your solar project:

ADI Registration Number	**NJADRE1553296461**	**Installation Address**	**644 Mosswood Ave City of Orange, NJ 07050**
Premise Contact	**Doriska Potter**	**System Size (kW dc)**	**3.12**
Primary Contact (SREC-II Owner)	**Ayn Ramos**	**Market Segment**	**Net Metered Residential**

Note: This letter is addressed to the Primary Contact (SREC-II) Owner), the Premise Contact, and the Solar Installer listed in the ADI Registration Certification form signed by the Primary Contact.

[1] *This is a standard form letter intended to cover many cases. You should read it carefully for those provisions applicable to your own project but be aware that all the provisions may not be applicable.*

The date of your project's conditional acceptance is 05/24/2023. You may now begin construction of your solar facility.

You must receive permission to operate from the relevant Electric Distribution Company (EDC), submit a complete Final As-Built Package (Post Construction Certification) and meet all other program requirements on or before the project's expiration date noted in this acceptance letter. **If a complete Final As-Built Package with permission to operate is not submitted on or before the expiration date, the registration will be canceled.** If the registration is canceled, you will be required to re-start the entire registration process by submitting a new initial registration package which will have no reference to the above registration. If the solar system is issued permission to operate from the EDC prior to resubmitting a new registration, you will be required to petition the NJBPU for approval to participate in the ADI Program. ***NOTE:*** *If at the time you submit the new registration, the capacity cap for this market segment has been reached, you will no longer be eligible to submit a new registration in this capacity block and will be required to wait until the next capacity block is opened to submit a new registration.*

Once the Final As -Built packet is deemed complete, you may be randomly selected for an on-site program inspection or selected for an inspection waiver. If you are selected for a waiver of inspection, you will receive a waiver letter via email. If you are selected for an on-site inspection, you will be contacted to schedule an on-site visit by a Program Representative.

Upon satisfactory completion of all ADI program requirements, the owner of the SREC-IIs will be issued an NJ SREC-II Certification Number and instructions regarding how to register the solar PV generating system in the Generation Attribute Tracking System at PJM-EIS LLC. The NJ SREC-II Certification Number is a distinct number that is assigned based on the solar installation market segment that is associated with the eligible incentive level. *For additional information on Market Segments, Capacity Blocks and Incentives see ADI Guidelines and Clarification below.*

More detailed information regarding the ADI Program can be found on the NJCEP website and on the ADI Program Online Portal homepage. In addition, certain additional explanations, caveats, clarifications, and conditions are set forth under the *ADI Guidelines and Clarification* section below.

If you have questions or concerns about your ADI Registration, please feel free to contact us at njreinfo@njcleanenergy.com.

Thank you for participating in the Administratively Determined Incentive Program.

Successor Solar Incentive (SuSI) Program
Administratively Determined Incentive (ADI) Program
New Jersey Clean Energy Program
c/o TRC
317 George Street, Suite #520
New Brunswick, NJ 08901

CC:
Doriska Potter
Ayn Ramos

ADI Guidelines and Clarifications

Special Reporting Required for Net Metered Projects 1 MW or larger

For net metered projects1 MW or larger, Quarterly Milestone reports must be submitted to the ADI Processing Team within two weeks of the quarters ending on March 31, June 30, September 30 and December 31. If there is a change to the ownership of the SREC-IIs from the initial ADI Registration, this change should be noted on the ADI Milestone Reporting Form and a copy of the newly executed contract reflecting the new SREC-II owner and a revised ADI Registration Certification Form should be included with the Milestone Reporting form, for the next quarterly submission. Quarterly reports can be submitted in the online portal or via email to njreinfo@njcleanenergy.com. The Milestone Reporting Form and instructions on how to submit this form can be found at www.njcleanenergy.com.

Revenue Grade Meter Requirements

All solar energy systems eligible to earn SREC-IIs must report system production based upon readings from a revenue-grade meter that meets the American National Standards Institute (ANSI) Standard C12.1-2008. This meter is in addition to the electric meter installed by the local utility to measure the home or business' electric consumption. The approved list of revenue grade meters accepted in TI can be found at solar production meters.

SREC-II Eligibility for Adding Capacity to an Existing Solar System

If you are adding capacity to a previously installed system that participated in the SREC Registration Program, Transition

Incentive Program, or any previous NJ solar program where the solar system was eligible for SRECs (Solar Renewable Energy Certificates) or TRECs (Transition Renewable Energy Certificates), you are ***required*** to install a new revenue grade meter for the added capacity.

Co-Locating Systems
Co-location is not permitted in the ADI Program, unless granted special dispensation by the Board. Co-location is defined as siting two or more SuSI-eligible solar facilities on the same property or on contiguous properties such that the individual facilities are eligible for a higher incentive value than they would be if they combined into one single facility. In the case of net metered projects, ADI eligible solar facilities shall not be deemed co-located if they serve separate net metering customers as set forth at **N.J.A.C. 14:8-4.** If the review of the Post Construction Certification (Final As- Built) packet or project inspection reveal that the registrant failed to disclose co-located solar facilities, the Board may take enforcement action, including but not limited to adjusting the incentive downward by multiplying the aggregated project size by the lowest incentive level among the projects' qualifying market segments.

Interconnection and Authorization to Energize Requirements
This acceptance letter does not constitute a determination of eligibility to interconnect the project to the distribution system in New Jersey. Net metered project owners or their developers must follow the Net Metering and Interconnection process required by New Jersey law at N.J.A.C. 14:8-4.1 through 14:8-5.9 and facilitated by their EDC. The ADI Processing Team does not review the estimated system production and historical onsite consumption for projects to determine eligibility for net metering purposes. Registrants must obtain the required approval from their EDCs, or they may be at risk of proceeding with a project that the EDC refuses to interconnect based on its review of the system output and historical consumption. Among other things, on-site load must be at least equal to project generation before a net-metered system may be energized or final program acceptance issued

Registrants must also obtain permission to operate for their interconnected system from their EDC. The Final As-Built Checklist requires, among other things, proof that the relevant EDC has approved the interconnection with the EDC's Electrical Distribution System (i.e., grid) and issued a Notice of Authorization to Energize. The facility must receive permission to operate from the relevant EDC and submit a complete Final As- Built (Post-Construction Certification) packet as defined at N.J.A.C. 14:8-11.5(j)) prior to the expiration date indicated in this notice of conditional registration.

ADI Guidelines and Clarifications (cont.)

Increases and Decreases
If, after submittal of an initial ADI Registration packet, an increase of up to 20 percent or 25 kW (dc), whichever is smaller, in the solar electric generating facility's generating capacity is planned, the registrant is required to notified NJBPU at oce@bpu.nj.gov and the ADI Processing Team at NJREINFO@NJCleanEnergy.com. An ADI solar facility cannot increase the system's capacity that would expand the project beyond 5 MW (dc).

Extensions
The ADI Program allows for one, 6-month extension. Extension requests must be submitted in the ADI online portal on or before the expiration date noted in this acceptance letter. Requests will be reviewed and considered on a case-by-case basis. Timely and consistent submissions of the Milestone Reporting Form will be considered when making a determination on any extension requests. ADI does not allow for a second extension. To request a second extension, a petition must be submitted to the NJBPU. You can find more information on the ADI Extension Policy at njcleanenergy.com.

New Jersey Solar Renewable Energy Certificates-II (SREC-IIs)
Once a qualified solar project is interconnected with the Electric Distribution System in New Jersey and is authorized to be energized by the EDC, the system is able to produce electricity and is eligible to begin earning SREC-IIs. One SREC-II is earned each time a project generates 1,000 kilowatt-hours (kWh) of electricity.

Capacity Blocks
The ADI Program will accept new registration packages for a given market segment until the capacity block for that market segment is fully subscribed. When the capacity block for a given market segment is reached, the ADI registration portal will stop accepting new registrations for that market segment. New registrations will be accepted in the ADI registration portal when the next capacity block opens. Capacity Blocks will be set annually by the Board.

A capacity block is defined as being fully subscribed when the last registration received in the ADI registration portal causes the total capacity of all registrations in that block to exceed the capacity allocated for the block. Registrations will be reviewed on a first come, first serve basis and the capacity for each application under the status of *ADI Registration Received* will be counted toward the block of the relevant market segment.

Market Segments	System Size	MW (dc) Capacity Blocks EY 2022
Net-Metered Residential	All Sizes	150 MW
Net Metered Non-Residential	All Sizes at or below 5 MW (dc)	150 MW
Community Solar including LMI and Non-LMI	All Sizes at or below 5 MW (dc)	150 MW
Interim Subsection (t) Grid	All Sizes	75 MW (or 3 months before CSI commencement)

ADI Guidelines and Clarifications cont.

Market Segments and Incentives Values

Market Segments	System Size MW dc	Incentive Values ($/SREC II)	Public Entities ($20/SREC II Adder)
Net-Metered Residential	All Sizes	$90	N/A
Small Net-Metered Non-Residential located on Rooftop, Carport, Canopy and Floating Solar	Project Smaller than 1 MW	$100	$120
Small Net Metered Non-Residential Ground Mount	Project Smaller than 1 MW	$85	$105
Large Net Metered Non-Residential Ground Mount	Projects 1 MW to 5 MW	$80	$100
Community Solar LMI	Up to 5 MW	$90	N/A
Community Solar Non-LMI	Up to 5 MW	$70	N/A
Interim Subsection (t) Grid	All Sizes	$100	N/A

Changing SREC-II Ownership

Registrants that have a change to the System or SREC-II ownership must provide a copy of the newly executed contract reflecting the new owner together with a revised ADI Registration Certification form. If the change in ownership occurs after the SREC-II Certification Number has been issued, please contact GATS for guidance on how to make this change.

Location of ADI Program Forms and Documents

The Final As-Built Checklist and other program forms can be found at www.njcleanenergy.comm.

OFFICE OF THE MUNICIPAL CLERK
THE CITY OF ORANGE TOWNSHIP
CITY HALL
ORANGE, NEW JERSEY 07050

4998

DATE 5/26/23

$ 70 00 DOLLARS

Thank You

RECEIVED FROM Martin Bowman

FOR HPC APP A-6211-23 644 Mosswood Ave

BY

☐ CASH ☒ CHECK ☐ M.O. 235

AMOUNT OF ACCOUNT	70 --
THIS PAYMENT	70 --
BALANCE DUE	00 --

THIS IS YOUR RECEIPT

DATE 5/26/23

AMOUNT 70 00

RECEIVED FROM

Acct 1113 HPC
CK no# 235
HPC APP A 6211-23 644 Mosswood Ave
Receipt no# 235
$

Treasurer's Miscellaneous Receipt
City of Orange Township, New Jersey

MARTIN A BOWMAN
ANGELA M BOWMAN
644 MOSSWOOD AVE
ORANGE, NJ 07050-3025

235
55-33/212 NJ
2583

May 26, 2023
Date

Pay to the Order of City of Orange Township $ 70.--

Seventy dollars & no/100 Dollars

Photo Safe Deposit®

BANK OF AMERICA
ACH R/T 021200339

For 644 Mosswood Ave Orange — Historic Pres Comm.

⑆021200339⑆ 38 1036 2502 39⑈0235

My Custom Solar Design

Prepared by Alisa Figueroa, 02/14/2023

Electrical Panel Location (**Basement**) Inverter Location (**Exterior**) Roofs

My Information

ANGELA BOWMAN
644 Mosswood Ave
City of Orange, NJ 07050

System

Annual Usage	4,510 kWh
Estimated System Size	3.90 kWp
Estimated Annual System Production	4,448 kWh
Estimated Energy Offset	99%

Modules	(10) Trina Solar, TSM-390DE09C.07
Inverters	1 x SolarEdge Technologies SE3800H-USMN

Approval

I have reviewed My Custom Solar Design and approve of the placement of solar panels identified above. I understand that the actual number of panels and their precise placement may vary based on engineering, installation, and solar energy production considerations, including roof type, shade, and other factors.

DocuSigned by:
A0B098283CD245A...
Customer Signature

2/27/2023
Date

Gmail Martin Bowman <mbowman644@gmail.com>

ADI Application Number NJADRE1553296461 - Conditional Acceptance

1 message

donotreply@programprocessing.com <donotreply@programprocessing.com> Wed, May 24, 2023 at 4:07 PM
Reply-To: njreinfo@njcleanenergy.com
To: mbowman644@gmail.com

05/24/2023

Ayn Ramos
Sunrun, Inc.
225 Bush St.
Ste 1400
San Francisco, CA 94104

ADI Project Number NJADRE1553296461 **- Conditional Acceptance**

Dear Ayn Ramos :

We are pleased to inform you the above solar project has been conditionally accepted in the Administratively Determined Incentive Program within New Jersey's Successor Solar Incentive Program and has been assigned a Registration Number NJADRE1553296461. The project has been conditionally accepted with a 3.12 **kW (DC)** solar electric system. The final acceptance of this initial registration is conditioned on completing the solar installation and commencing commercial operation on or before the expiration date of **05/24/2024**.

Pursuant to the Clean Energy Act of 2018 (L. 2018, c.17) and the Solar Act of 2021 (L. 2021, c. 169), the New Jersey Board of Public Utilities (NJBPU) has established a new Successor Solar Incentive Program (SuSI) by Board Order dated July 28, 2021. The SuSI Program replaces the SREC Registration Program (SRP), which was closed to new registration on April 30, 2020, and the Transition Incentive Program (TI), which provided a bridge between the Legacy SRP and the Successor Solar Incentive Program. The SuSI Program provides incentives to eligible solar facilities to enable the continued efficient and orderly development of solar electric generating sources throughout the State. The SuSI Program is comprised of two sub-programs: the Administratively Determined Incentive Program (ADI) and the Competitive Solar Program (CSI). The ADI Program opened to new registrations on August 28, 2021.

Your ADI Registration packet provided us with the following information regarding your solar project:

ADI Registration Number	**NJADRE1553296461**	**Installation Address**	**644 Mosswood Ave City of Orange, NJ 07050**
Premise Contact	**Doriska Potter**	**System Size (kW dc)**	**3.12**
Primary Contact (SREC-II Owner)	**Ayn Ramos**	**Market Segment**	**Net Metered Residential**

Note: This letter is addressed to the Primary Contact (SREC-II) Owner), the Premise Contact, and the Solar Installer listed in the ADI Registration Certification form signed by the Primary Contact.

[1] *This is a standard form letter intended to cover many cases. You should read it carefully for those provisions applicable to your own project but be aware that all the provisions may not be applicable.*

The date of your project's conditional acceptance is 05/24/2023. You may now begin construction of your solar facility.

You must receive permission to operate from the relevant Electric Distribution Company (EDC), submit a complete Final As-Built Package (Post Construction Certification) and meet all other program requirements on or before the project's expiration date noted in this acceptance letter. **If a complete Final As-Built Package with permission to operate is not submitted on or before the expiration date, the registration will be canceled.** If the registration is canceled, you will be required to re-start the entire registration process by submitting a new initial registration package which will have no reference to the above registration. If the solar system is issued permission to operate from the EDC prior to resubmitting a new registration, you will be required to petition the NJBPU for approval to participate in the ADI Program. ***NOTE:*** *If at the time you submit the new registration, the capacity cap for this market segment has been reached, you will no longer be eligible to submit a new registration in this capacity block and will be required to wait until the next capacity block is opened to submit a new registration.*

Once the Final As -Built packet is deemed complete, you may be randomly selected for an on-site program inspection or selected for an inspection waiver. If you are selected for a waiver of inspection, you will receive a waiver letter via email. If you are selected for an on-site inspection, you will be contacted to schedule an on-site visit by a Program Representative.

Upon satisfactory completion of all ADI program requirements, the owner of the SREC-IIs will be issued an NJ SREC-II Certification Number and instructions regarding how to register the solar PV generating system in the Generation Attribute Tracking System at PJM-EIS LLC. The NJ SREC-II Certification Number is a distinct number that is assigned based on the solar installation market segment that is associated with the eligible incentive level. *For additional information on Market Segments, Capacity Blocks and Incentives see ADI Guidelines and Clarification below.*

More detailed information regarding the ADI Program can be found on the NJCEP website and on the ADI Program Online Portal homepage. In addition, certain additional explanations, caveats, clarifications, and conditions are set forth under the *ADI Guidelines and Clarification* section below.

If you have questions or concerns about your ADI Registration, please feel free to contact us at njreinfo@njcleanenergy.com.

Thank you for participating in the Administratively Determined Incentive Program.

Successor Solar Incentive (SuSI) Program
Administratively Determined Incentive (ADI) Program
New Jersey Clean Energy Program
c/o TRC
317 George Street, Suite #520
New Brunswick, NJ 08901

CC:
Doriska Potter
Ayn Ramos

ADI Guidelines and Clarifications

Special Reporting Required for Net Metered Projects 1 MW or larger

For net metered projects1 MW or larger, Quarterly Milestone reports must be submitted to the ADI Processing Team within two weeks of the quarters ending on March 31, June 30, September 30 and December 31. If there is a change to the ownership of the SREC-IIs from the initial ADI Registration, this change should be noted on the ADI Milestone Reporting Form and a copy of the newly executed contract reflecting the new SREC-II owner and a revised ADI Registration Certification Form should be included with the Milestone Reporting form, for the next quarterly submission. Quarterly reports can be submitted in the online portal or via email to njreinfo@njcleanenergy.com. The Milestone Reporting Form and instructions on how to submit this form can be found at www.njcleanenergy.com.

Revenue Grade Meter Requirements

All solar energy systems eligible to earn SREC-IIs must report system production based upon readings from a revenue-grade meter that meets the American National Standards Institute (ANSI) Standard C12.1-2008. This meter is in addition to the electric meter installed by the local utility to measure the home or business' electric consumption. The approved list of revenue grade meters accepted in TI can be found at solar production meters.

SREC-II Eligibility for Adding Capacity to an Existing Solar System

If you are adding capacity to a previously installed system that participated in the SREC Registration Program, Transition

Incentive Program, or any previous NJ solar program where the solar system was eligible for SRECs (Solar Renewable Energy Certificates) or TRECs (Transition Renewable Energy Certificates), you are ***required*** to install a new revenue grade meter for the added capacity.

Co-Locating Systems

Co-location is not permitted in the ADI Program, unless granted special dispensation by the Board. Co-location is defined as siting two or more SuSI-eligible solar facilities on the same property or on contiguous properties such that the individual facilities are eligible for a higher incentive value than they would be if they combined into one single facility. In the case of net metered projects, ADI eligible solar facilities shall not be deemed co-located if they serve separate net metering customers as set forth at **N.J.A.C. 14:8-4.** If the review of the Post Construction Certification (Final As- Built) packet or project inspection reveal that the registrant failed to disclose co-located solar facilities, the Board may take enforcement action, including but not limited to adjusting the incentive downward by multiplying the aggregated project size by the lowest incentive level among the projects' qualifying market segments.

Interconnection and Authorization to Energize Requirements

This acceptance letter does not constitute a determination of eligibility to interconnect the project to the distribution system in New Jersey. Net metered project owners or their developers must follow the Net Metering and Interconnection process required by New Jersey law at N.J.A.C. 14:8-4.1 through 14:8-5.9 and facilitated by their EDC. The ADI Processing Team does not review the estimated system production and historical onsite consumption for projects to determine eligibility for net metering purposes. Registrants must obtain the required approval from their EDCs, or they may be at risk of proceeding with a project that the EDC refuses to interconnect based on its review of the system output and historical consumption. Among other things, on-site load must be at least equal to project generation before a net-metered system may be energized or final program acceptance issued

Registrants must also obtain permission to operate for their interconnected system from their EDC. The Final As-Built Checklist requires, among other things, proof that the relevant EDC has approved the interconnection with the EDC's Electrical Distribution System (i.e., grid) and issued a Notice of Authorization to Energize. The facility must receive permission to operate from the relevant EDC and submit a complete Final As- Built (Post-Construction Certification) packet as defined at N.J.A.C. 14:8-11.5(j)) prior to the expiration date indicated in this notice of conditional registration.

ADI Guidelines and Clarifications (cont.)

Increases and Decreases

If, after submittal of an initial ADI Registration packet, an increase of up to 20 percent or 25 kW (dc), whichever is smaller, in the solar electric generating facility's generating capacity is planned, the registrant is required to notified NJBPU at oce@bpu.nj.gov and the ADI Processing Team at NJREINFO@NJCleanEnergy.com. An ADI solar facility cannot increase the system's capacity that would expand the project beyond 5 MW (dc).

Extensions

The ADI Program allows for one, 6-month extension. Extension requests must be submitted in the ADI online portal on or before the expiration date noted in this acceptance letter. Requests will be reviewed and considered on a case-by-case basis. Timely and consistent submissions of the Milestone Reporting Form will be considered when making a determination on any extension requests. ADI does not allow for a second extension. To request a second extension, a petition must be submitted to the NJBPU. You can find more information on the ADI Extension Policy at njcleanenergy.com.

New Jersey Solar Renewable Energy Certificates-II (SREC-IIs)

Once a qualified solar project is interconnected with the Electric Distribution System in New Jersey and is authorized to be energized by the EDC, the system is able to produce electricity and is eligible to begin earning SREC-IIs. One SREC-II is earned each time a project generates 1,000 kilowatt-hours (kWh) of electricity.

Capacity Blocks

The ADI Program will accept new registration packages for a given market segment until the capacity block for that market segment is fully subscribed. When the capacity block for a given market segment is reached, the ADI registration portal will stop accepting new registrations for that market segment. New registrations will be accepted in the ADI registration portal when the next capacity block opens. Capacity Blocks will be set annually by the Board.

A capacity block is defined as being fully subscribed when the last registration received in the ADI registration portal causes the total capacity of all registrations in that block to exceed the capacity allocated for the block. Registrations will be reviewed on a first come, first serve basis and the capacity for each application under the status of *ADI Registration Received* will be counted toward the block of the relevant market segment.

Market Segments	System Size	MW (dc) Capacity Blocks EY 2022
Net-Metered Residential	All Sizes	150 MW
Net Metered Non-Residential	All Sizes at or below 5 MW (dc)	150 MW
Community Solar including LMI and Non-LMI	All Sizes at or below 5 MW (dc)	150 MW
Interim Subsection (t) Grid	All Sizes	75 MW (or 3 months before CSI commencement)

ADI Guidelines and Clarifications cont.

Market Segments and Incentives Values

Market Segments	System Size MW dc	Incentive Values ($/SREC II)	Public Entities ($20/SREC II Adder)
Net-Metered Residential	All Sizes	$90	N/A
Small Net-Metered Non-Residential located on Rooftop, Carport, Canopy and Floating Solar	Project Smaller than 1 MW	$100	$120
Small Net Metered Non-Residential Ground Mount	Project Smaller than 1 MW	$85	$105
Large Net Metered Non-Residential Ground Mount	Projects 1 MW to 5 MW	$80	$100
Community Solar LMI	Up to 5 MW	$90	N/A
Community Solar Non-LMI	Up to 5 MW	$70	N/A
Interim Subsection (t) Grid	All Sizes	$100	N/A

Changing SREC-II Ownership

Registrants that have a change to the System or SREC-II ownership must provide a copy of the newly executed contract reflecting the new owner together with a revised ADI Registration Certification form. If the change in ownership occurs after the SREC-II Certification Number has been issued, please contact GATS for guidance on how to make this change.

Location of ADI Program Forms and Documents

The Final As-Built Checklist and other program forms can be found at www.njcleanenergy.comm.