

Solar on New Jersey Farmland

Rutgers University Agrivoltaics Roundtable

May 24, 2022



Agenda

- Introduction to NJBPU
- Solar through New Jersey's Clean Energy Program
- Statistics from NJCEP Activity Reports (General & Ag Specific)
- Clean Energy Act of 2018 Incentive Program Changes
- EMP of 2019 Goals
- Solar Act of 2021; Successor Solar Incentive Program
- Administratively Determined Incentive Program Update
- Competitive Solar Incentive Program Update
- NJBPU Stakeholder Process for Program Development
- Q&A

New Jersey Board of Public Utilities



The New Jersey Board of Public Utilities (NJBPU) is the state agency with authority to oversee the regulated utilities, which provide critical services such as natural gas, electricity, water, telecommunications, and cable television.

NJBPU ensures safe and adequate utility services are provided at reasonable, non-discriminatory rates by developing and regulating a competitive, economically cost effective energy policy that promotes responsible growth and clean renewable energy sources while maintaining a high quality of life in New Jersey.



Solar through New Jersey's Clean Energy Program



ADMINISTERED BY

New Jersey Board of Public Utilities' Division of Clean Energy

AUTHORIZED BY

Electric Discount and Energy Competition Act of 1999

Clean Energy Act of 2018

Solar Energy Act of 2021

Dual Use Solar Energy Pilot Act of 2021

SOLAR DEVELOPMENT TOOLS

Societal Benefits Charge

Net Metering and Interconnection Rules

Renewable Portfolio Standards

Administratively Determined Incentive Program

Competitive Solar Incentive Program



Recent Stats on NJ Solar

- New Jersey is **8th in the United States for installed solar capacity.**
- Current installed capacity: **3,954 MW**
 - Approx. 80% net metered, 20% grid supply
 - New! Community Solar
- The NJ solar industry provides approximately **5,400 jobs.**

Solar on Farmland in New Jersey

BEHIND THE METER Project Installations

Customer Type	SRP Program			SRP, TI & ADI Program		
	# Projects	Installed Capacity (kW)	% of Installed Capacity	# Projects	Installed Capacity (kW)	% of Installed Capacity
Commercial	4,948	1,201,020	45.9%	5,741	1,404,127	44.6%
Farm	187	9,919	0.4%	197	10,308	0.3%
Government	100	29,250	1.1%	113	58,290	1.9%
Municipality	274	56,241	2.1%	290	63,109	2.0%
Non Profit	702	54,018	2.1%	777	60,313	1.9%
Private University	13	1,230	0.0%	20	15,978	0.5%
Public University	52	28,850	1.1%	53	29,164	0.9%
Residential	122,090	1,022,872	39.1%	147,830	1,253,368	39.8%
Total	129,171	2,617,113	100.0%	155,941	3,149,019	100.0%

GRID SUPPLY Project Installations

SRP Program

Description (by Subsection)	Project Qty	Installed Capacity (kW)	% of Installed Capacity
EDC	80	80,860	11.31%
Subsection q	31	194,412	27.20%
Subsection r	2	42,956	6.01%
Subsection s	12	94,478	13.22%
Subsection t	21	179,513	25.12%
Pre Solar Act	33	122,526	17.14%
Totals	179	714,745	100.00%

Clean Energy Act of 2018

Closure of the Legacy SREC Registration Program (SRP)

- The Clean Energy Act of 2018 directed the BPU to close the SRP to new registrations once 5.1% of the kilowatt-hours sold in the State were generated by solar electric power connected to the distribution system (known as the 5.1% Milestone).
- On April 6, 2020, the Board determined that the 5.1% Milestone would be attained before May 1, 2020, and directed that the SRP close to new registrations on April 30, 2020.
- Complete a Study of Alternative Incentive Approaches.

Why replace the SREC Program?

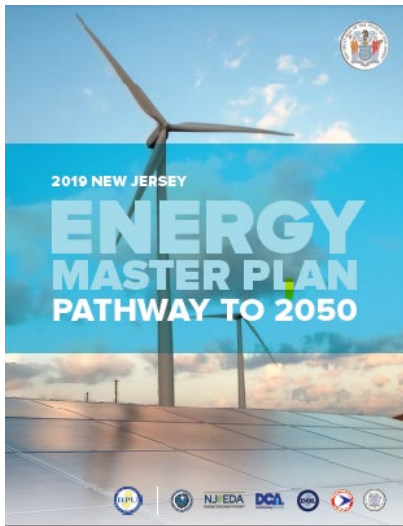
- The SREC Program had been successful at driving high numbers of solar installations
- However, it was very expensive in part due to its “one-size-fits-all” structure and the financial uncertainty inherent in its variable, market-driven incentive values.

Energy Master Plan of 2019 - Clean Energy Goals

100% clean energy by 2050

Strategies:

1. Reduce Energy Consumption and Emissions from the Transportation Sector
2. Accelerate Deployment of Renewable Energy and Distributed Energy Resources
3. Maximize Energy Efficiency and Conservation and Reduce Peak Demand
4. Reduce Energy Consumption and Emissions from the Building Sector
5. Decarbonize and Modernize New Jersey's Energy Systems
6. Support Community Energy Planning and Action with and Emphasis on Encouraging Participation by Low-and-Moderate-Income and Environmental Justice Communities
7. Expand the Clean Energy Innovation Economy



Successor Solar Incentive (SuSI) Program

Goals:

- Drive a significant increase in installed solar capacity while prioritizing ratepayer affordability.
- Tailor incentives to the needs of different projects, thereby enabling the continued growth of the solar industry at a lower cost to ratepayers.
- Target: **double NJ's installed solar capacity** from 3.9 GW today to 7.4 GW by 2026, by installing **3.5 GW of new solar**.
- Annual goal of installing 750 MW of new solar capacity, including targets for 300 MW of net metered solar, 150 MW of community solar, and 300 MW of grid supply solar.
- Solar energy generates over 6% of New Jersey's current electricity needs; under the new SuSI Program, this percentage is expected to rise to approximately 10%.

Solar Act of 2021



Successor Solar Incentive (SuSI) Program

The SuSI Program is comprised of two sub-programs:

- 1) **Administratively Determined Incentive (ADI) Program** which provides administratively set incentive values for net metered residential projects, net metered non-residential projects of 5 MW or less, community solar projects, and, for an interim period, projects previously eligible to seek conditional certification from the Board under Subsection (t).
- 2) **Competitive Solar Incentive (CSI) Program** will provide competitively set incentive values for grid supply projects and net metered non-residential projects greater than 5 MW.

Board staff is currently working with stakeholders to develop the design of the CSI Program with the goal of holding the first solicitation in 2022.

Competitive Solar Incentive Program

CSI STAKEHOLDER MEETING #2

DATE: Thursday, May 26, 2022

TIME: 1:00 PM

REGISTER: https://us06web.zoom.us/webinar/register/WN_oYEjUQaISeKw7blrRAT67Q

TOPIC: This meeting will focus on the below-listed topics, described in the following specific sections of the Straw:

- Section IV.A - Solicitation tranches
- Section IV.A - Implementation of the “Grid Supply Solar Paired with Storage” tranche
- Section IV.C - Auction procedure
- Section IV.F - Procurement frequency

STAKEHOLDER MEETING #4

DATE: Monday, June 6, 2022

TIME: 1:00 PM

REGISTER: https://us06web.zoom.us/webinar/register/WN_3yZwMdfETvWnx3TUG3L8fQ

TOPIC: This meeting will focus on the below-listed topics, described in the following sections of the Straw:

- Section IV.D - Auction price result
- Section IV.E - SREC-II payment structure

CSI STAKEHOLDER MEETING #3

DATE: Wednesday, June 1, 2022

TIME: 1:00 PM

REGISTER: https://us06web.zoom.us/webinar/register/WN_GgpmBs0HSZmmnEtlU07zew

TOPIC: This meeting will focus on the below-listed topic, described in the following section of the Straw:

Section IV.B - Project pre-qualification, bid participation fees, and commercial operation date requirements

Please note that the meetings will be conducted via Zoom. You must register for each stakeholder meeting prior to attending, using the links provided above. Please register for each of the sessions at least 48 hours prior to the scheduled date.

After registering, you will receive a confirmation email containing information on how to join the webinar as well as system requirements. We encourage stakeholders to check their systems ahead of the meeting so they can ensure that they will be properly connected to the meeting.

NJBPU Stakeholder Engagement

Solar Proceedings

Clean Energy Act Solar Transition Stakeholder Process

Solar Transition Frequently Asked Questions

- Informational Session and Stakeholder Meeting on TI Program, ADI Program, and ADI Program Disclosure Forms 04.07.22
 - Webinar Recording
 - Presentation
- Order Waiving ADI Program Eligibility Rules 04.06.22
- Order Clarifying TI Program Post Construction Certification Requirement 04.06.22
- Solar Siting Stakeholder Meeting #1, March 29
 - Webinar Recording
 - Presentation



See also:
○ Solar Siting Stakeholder Meeting #2., April 8
“Agricultural Mitigation Guidelines – Appendix B”

<https://njcleanenergy.com/renewable-energy/program-updates-and-background-information/solar-proceedings>

More Information

ARIANE BENREY

Solar Manager, NJBPU
ariane.benrey@bpu.nj.gov
609-913-6346

SCOTT HUNTER

Manager, NJBPU
Benjamin.hunter@bpu.nj.gov
609-913-6331

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THANK YOU

