



**NYSERDA**

# **NY-Sun Program & Industry Updates**

**Central Hudson Solar Summit March 3, 2020**

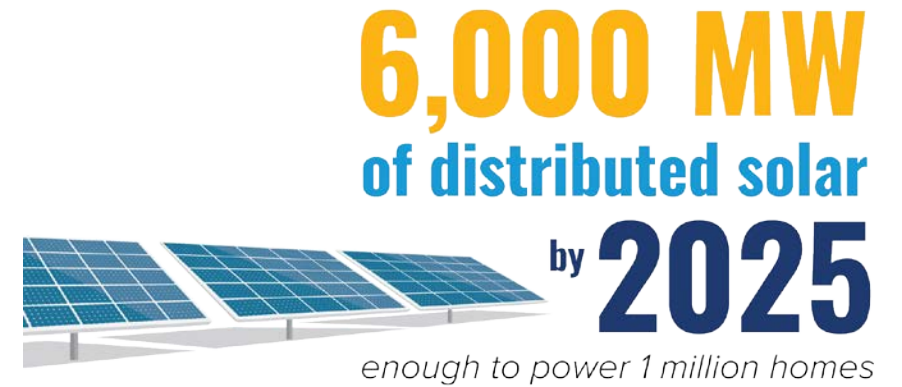
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# NY's Climate Leadership and Community Protection Act (CLCPA) – Overview

- > Most aggressive GHG reduction goals of any major economy: 40% by 2030, 85% by 2050
- > 70% renewable energy by 2030, 100% zero-carbon electricity by 2040
- > Path to carbon neutrality
- > Commitments to environmental justice, disadvantaged communities, and just transition

# Goal of 6,000 Megawatts of Distributed Solar by 2025

- NY-Sun is Governor Andrew M. Cuomo's \$1 billion initiative to advance the scale-up of solar and create a sustainable, self-sufficient solar industry
- NY-Sun is helping New York meet Governor Cuomo's Green New Deal goal to install 6,000 megawatts of solar by 2025
  - Expanding on existing goal of 3,000 MW by 2023



# NY-Sun Program Overview

# Program Updates

- Payment Structure for Commercial and Industrial Projects
  - Project Approved after June 2018 will receive 50% at commercial operation payment and 2 Performance payments
  - Project Approved before June 2018 will continue to receive 3 Performance payments
- Full Assignments for Commercial and Industrial Projects
  - Must be requested prior to the commercial operation payment
  - New Contractor must be approved in the Program and in good standing
  - 100% interconnection upgrades must be paid
  - A new payee must be identified at the time of the Full Assignment request
- Payee Assignments
  - Commercial and Industrial Projects can request a payee at the time of application or prior to commercial operation payment
  - Nonresidential Projects must identify a payee at the time of application.
- Community Adder
  - Projects that did not receive the Market Transition Credit are eligible for an additional \$/kW adder
  - Projects must identify the adder and rate at the time of application and provide documentation from the utility of their eligibility.

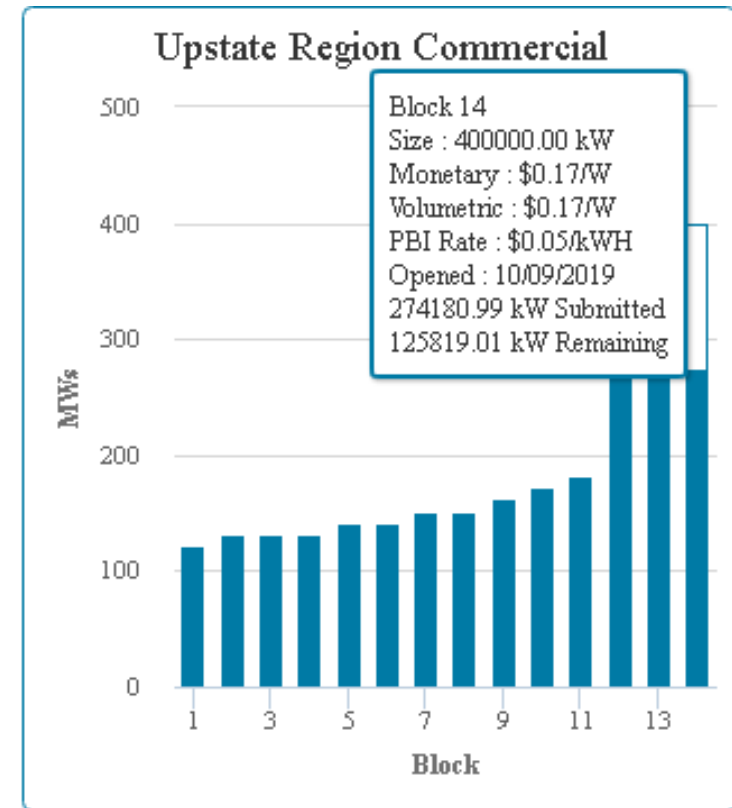
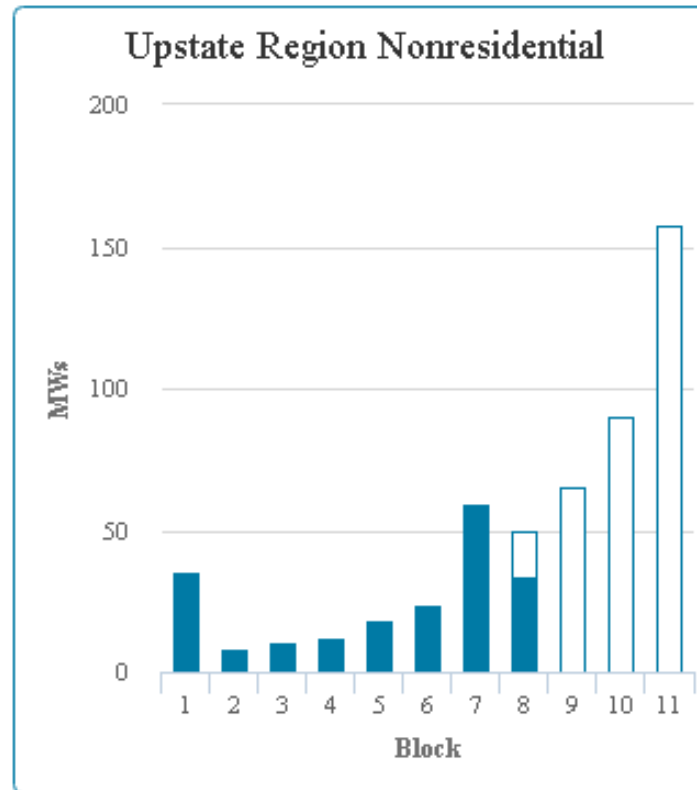
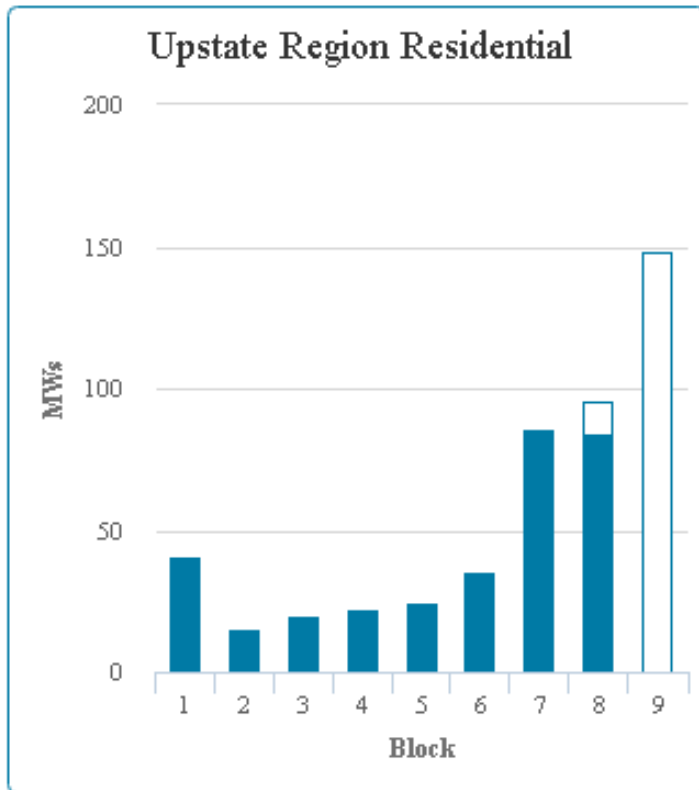
# Project Located in Agricultural Districts

- Commercial and industrial projects that are proposed within a State-Certified Agricultural District will require an Agricultural Market Law (AML) Section 305(4) Notice of Intent (Notice) to be prepared through NYSERDA and filed with the New York State Department of Agriculture and Markets (NYSDAM).
- Developers must complete and submit to NYSERDA the Notice of Intent to Undertake an Action within an Agricultural District 20 NY-Sun Upstate + Long Island Program Manual Standard Form (NOI Standard Form), along with additional documentation and maps, as indicated therein to be eligible for funding.
- NYSDAM has released Guidelines for Agricultural Mitigation for Solar Energy Projects that should be considered when proposing projects in agricultural districts.



# **NY-Sun Current Incentives**

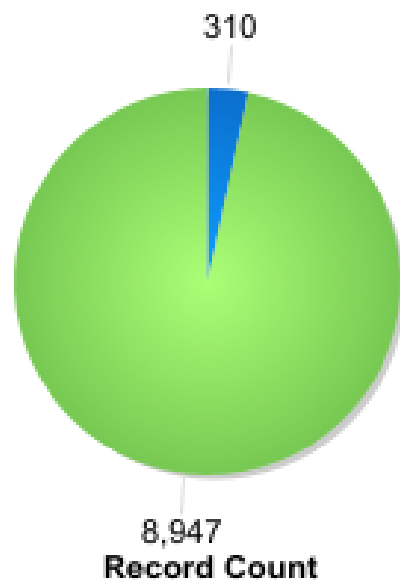
# Upstate Dashboard





# Central Hudson Installation/Pipeline

## Installations in Central Hudson



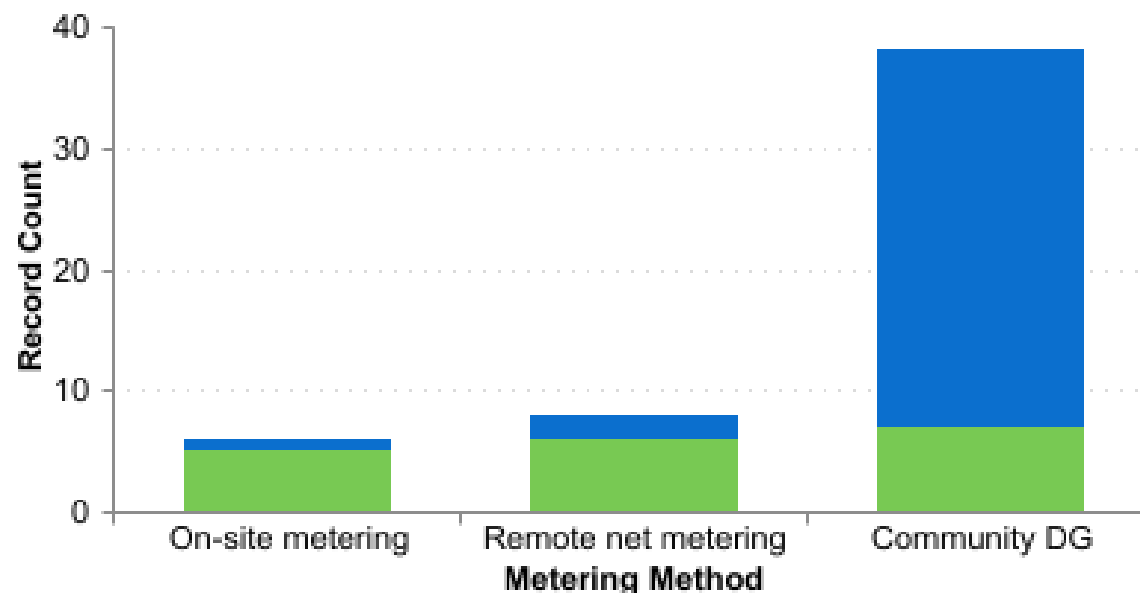
8,947  
Record Count

Status

■ Approved

■ Completed

## C&I Applications by Metering Type



Record Count

On-site metering

Remote net metering

Community DG

Metering Method

Status

■ Approved

■ Completed

# Energy Storage Incentives

# NYSERDA Storage Incentive Budget and Program Allocation

Program	Total Budget
Bulk (projects > 5 MW)	\$150 M
Retail (projects < 5 MW)	\$164 M
Long Island	\$55 M
Unallocated	\$35.4 M
<b>Total</b>	<b>\$405 M</b>

Chemical, thermal, and mechanical systems are eligible



**3,000 MW**  
of energy storage  
by **2030**

*Up from 1,500 megawatts by 2025*



# Bulk Energy Storage

- > Developers can choose from one of three paths:
  1. NYSERDA's standard-offer bulk storage incentive program
  2. Utility RFP for dispatch rights (at least 350 MWs will be procured by the IOUs)
  3. Bid a paired NYSERDA REC for solar or wind + storage

# NYSERDA's Bulk Storage Incentive program

**NYSERDA's bulk storage incentive program** is currently available outside Con Edison and Long Island.

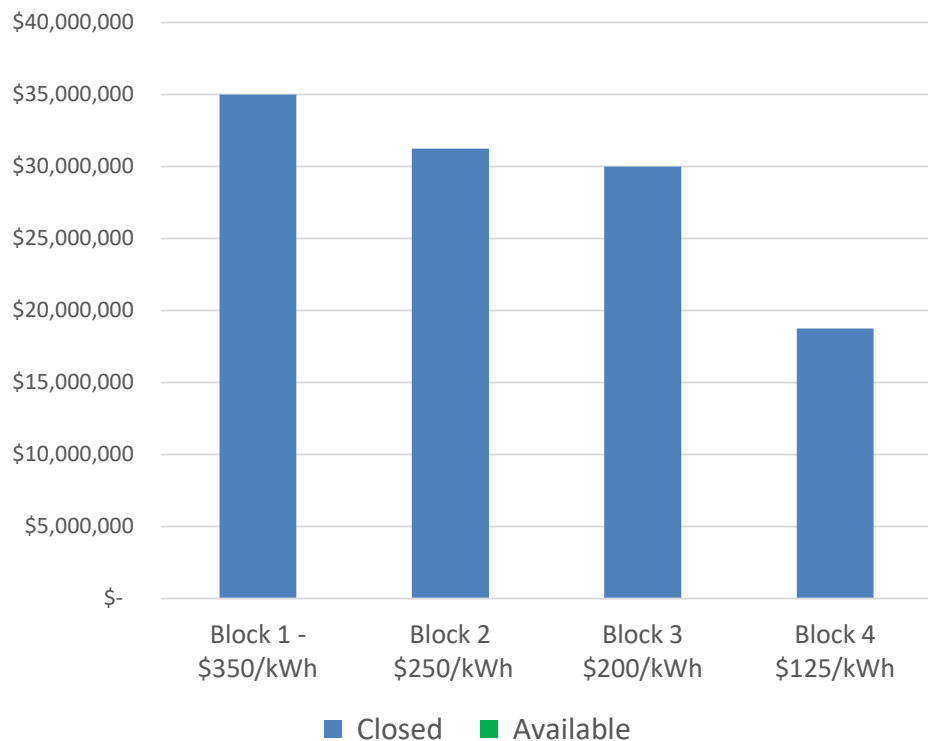
- > Fixed incentive per usable kWh of installed storage beginning at \$85-\$110/kWh in 2019 based on project size and declining annually
- > Projects only providing ancillary services and not seeking capacity rights receive 75% of incentive rate
- > Total NYSERDA incentive will not exceed \$25 million on a single project
- > High degree of project maturity required (site control, permitting underway, at the stage of receiving interconnection cost)

<b>Total \$ committed</b>	<b>Total \$ available</b>	<b>MW committed</b>	<b>MWH committed</b>
\$77,621,250	\$72,378,750	360	1,385

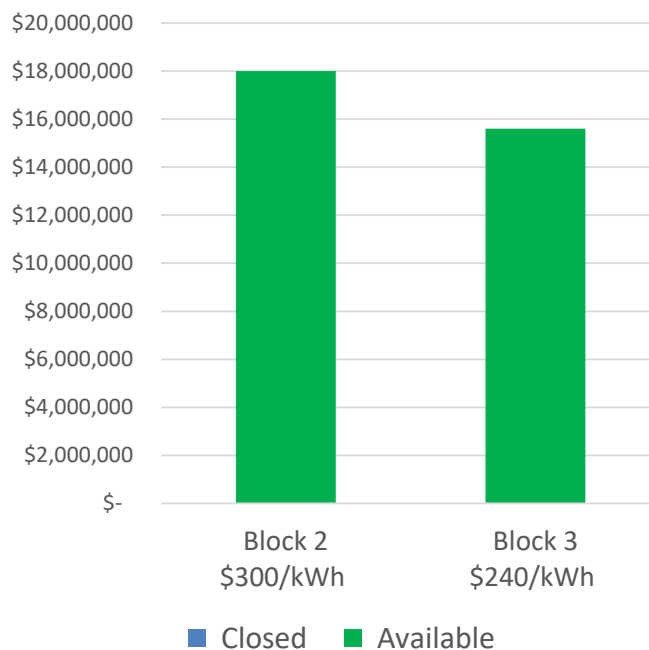


# Retail Incentive Program Blocks

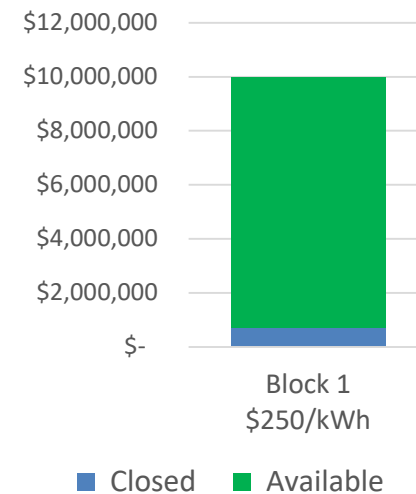
Rest of State - Commercial Storage Incentives



NYC – Commercial Storage Incentives



Long Island – Commercial Storage Incentives



As of 2/25/2020

\*A new \$14.9M ConEd Westchester block will launch in the next few months.

# Community and Municipal Support

- NYSERDA offers local governments free solar and storage technical assistance and training including to first responders and code officials. Contact [cleanenergyhelp@nyserda.ny.gov](mailto:cleanenergyhelp@nyserda.ny.gov)
- The [NY State Solar Guidebook](#) is a resource for municipalities. Its contents include:
  - Guidance on permitting, inspections, SEQR, property tax and PILOT, land use, decommissioning, and other topics
  - A model solar energy local law
  - A toolkit for municipal procurement of solar
- A new [Battery Energy Storage System Guidebook](#) is also available
- Municipalities can use the [Solarize Guidebook](#) to help launch a Solarize campaign, which promotes solar to their residents and businesses
- Ag and Markets Guidelines for Solar Installations <https://agriculture.ny.gov/land-and-water/agricultural-districts>

# Questions???

