



NY-Sun

NYSERDA

Central Hudson Solar Summit 2017

Poughkeepsie, NY

NY-Sun Program Updates



March 9, 2017

New York's Energy Policy

- Reforming the Energy Vision (REV) Governor Cuomo's strategy to build a clean, resilient, and affordable energy system for all New Yorkers.
- Clean Energy Standard goal of 50% renewable by 2030.
- Clean Energy Fund (CEF)
 - 10-year, \$5 billion funding commitment
 - Reshapes New York's energy efficiency, renewable energy, and energy innovation programs
 - Reduces cost of clean energy
 - Accelerates adoption of energy efficiency to reduce load
 - Increases renewable energy to meet demand
 - Mobilizes private investment in clean energy

NY-Sun Initiative

- Significantly expand installed solar capacity
- Attract private investment
- Enable sustainable development of a robust solar industry
- Create well-paying skilled jobs
- Improve the reliability of the electric grid
- Reduce air pollution
- Make solar available to all New Yorkers

Statewide Goal of 3 GW by 2023

Approx. \$1 Billion Total
Budget

Self-
Sustaining
Market

Reduce
Soft Costs

New York's Solar Market

- Unprecedented growth – 795% growth in solar from 2011 to 2016
- 20,469 solar projects installed in 2016
- 744 MW installed by 2016 – enough to power nearly 120,000 homes

NY-Sun Incentive Program: Megawatt (MW) Block

Capacity-based cash incentive available to eligible contractors.

Three Regions:

- Con Edison (New York City and South Westchester)
- Long Island
- Upstate (Rest- of-State or ROS)

Three Sectors:

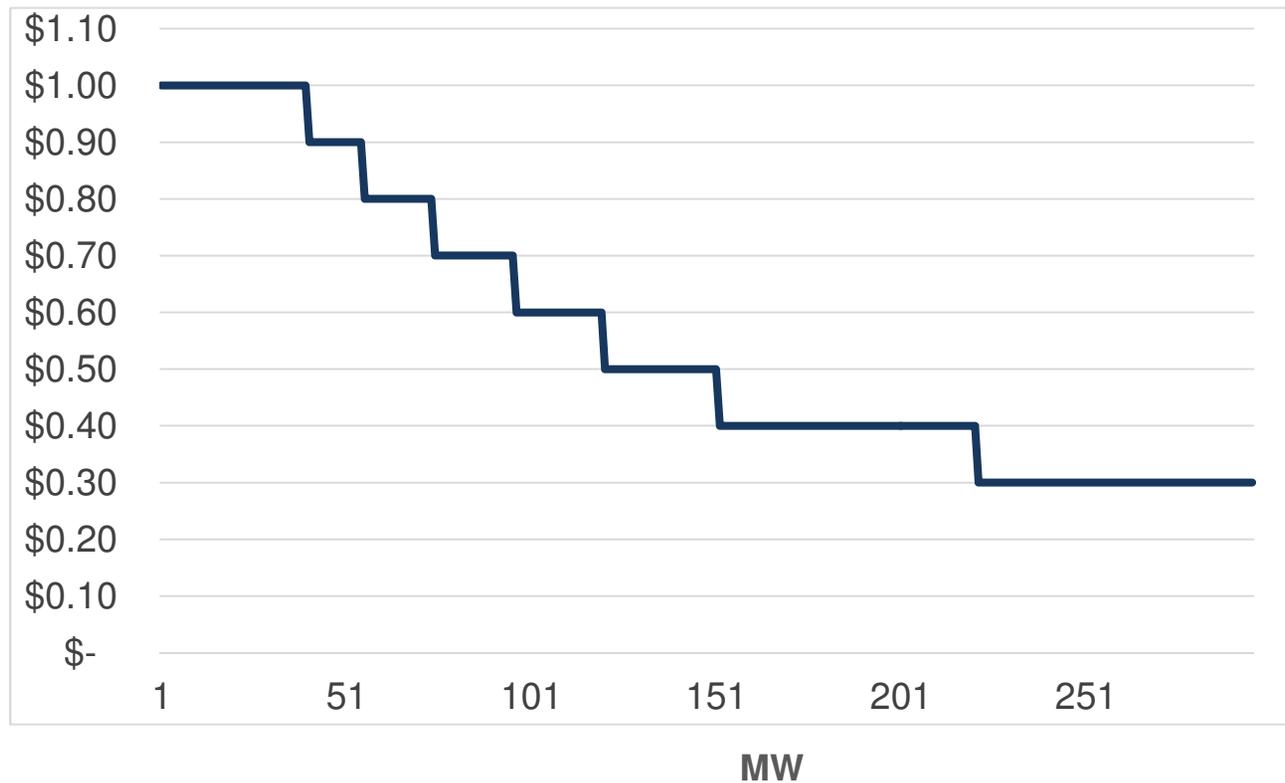
- Residential: up to 25 kW
- Small Commercial Non-residential: up to 200 kW
- Commercial & Industrial: >200 kW

Incentive is available through Dec 29, 2023 or until funds are fully committed.



NY-Sun Incentive Program: MW Block

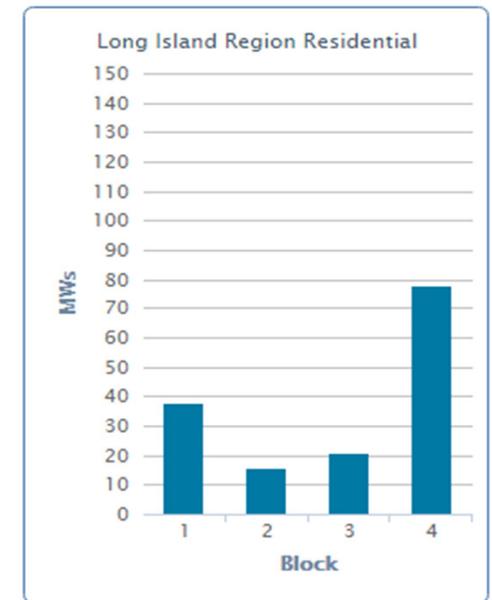
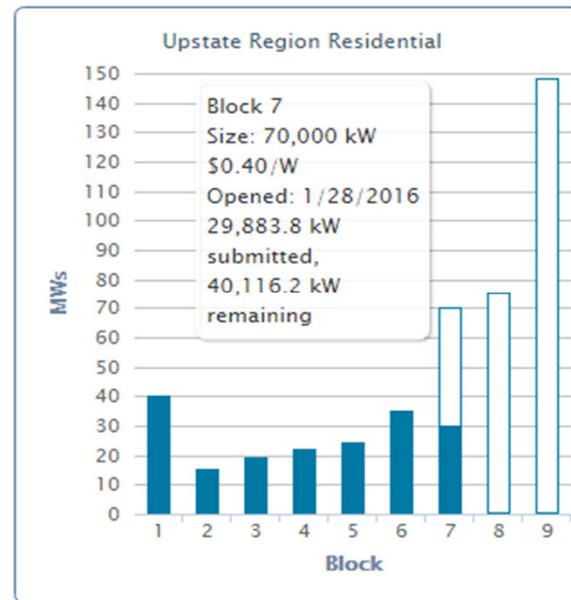
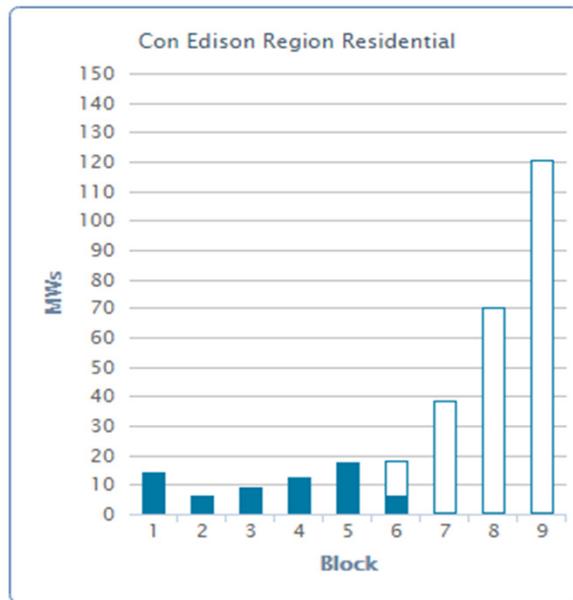
Example: Upstate Residential MW Block Structure



NY-Sun Incentive Program

Residential / Small Commercial

Refresh



■ Submitted □ Available

Hold the cursor over a column in any chart to get the block details.

Affordable Solar

Added incentive for low-to-moderate (LMI) income residents:

- Doubles the applicable MW Block incentive

Eligibility

- Household Income below 80% area or state median income

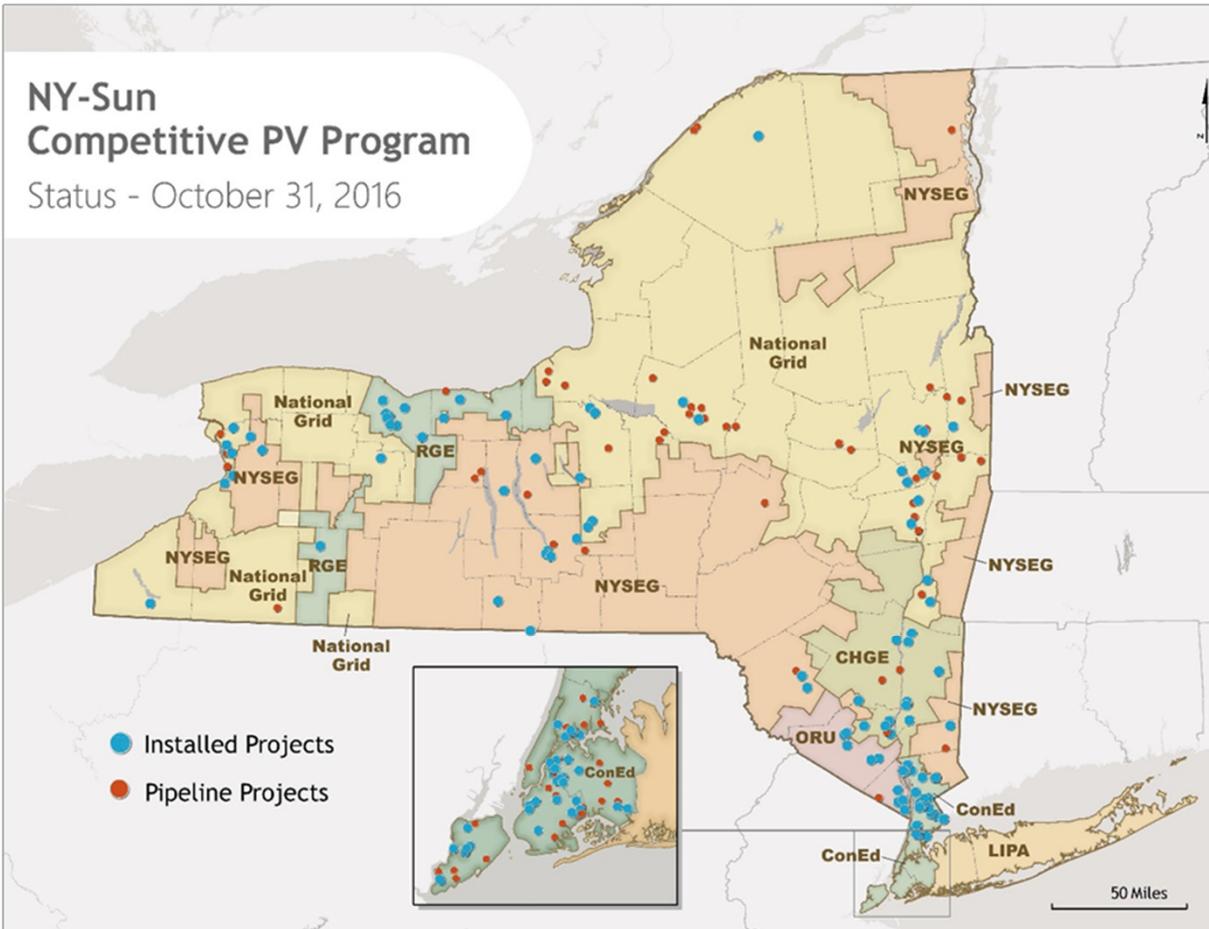
Requirements

- Energy efficiency lighting and hot water upgrades
- Projects must satisfy cost savings requirements
- No price escalators allowed for third-party-owned projects

Commercial and Industrial Solar Market

NY-Sun Competitive PV Program

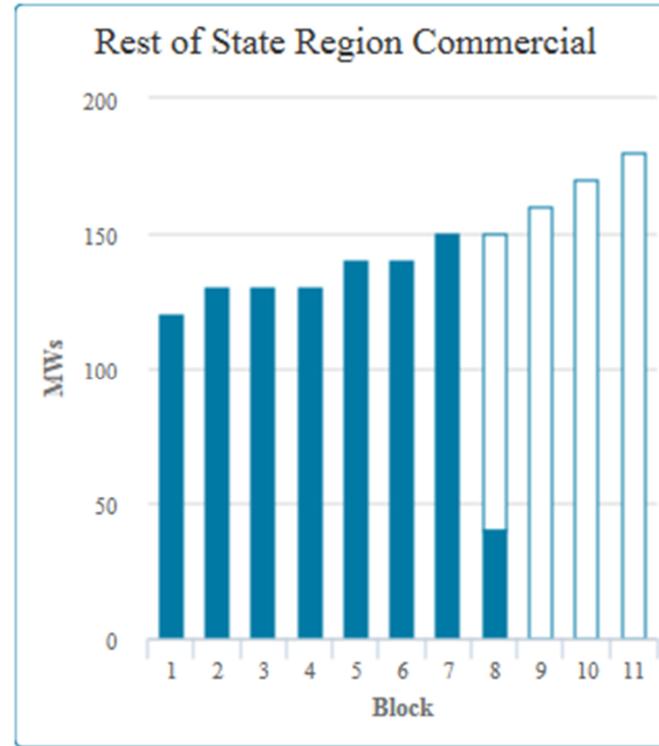
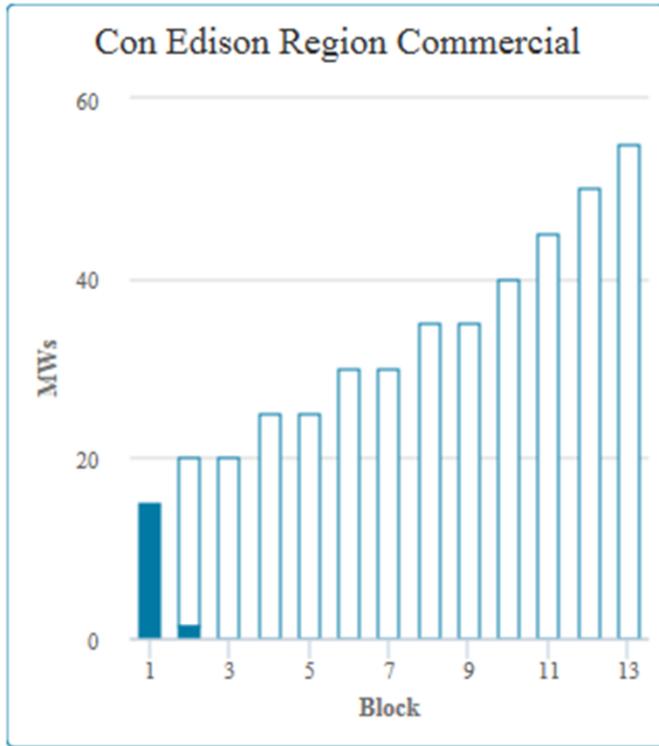
Status - October 31, 2016



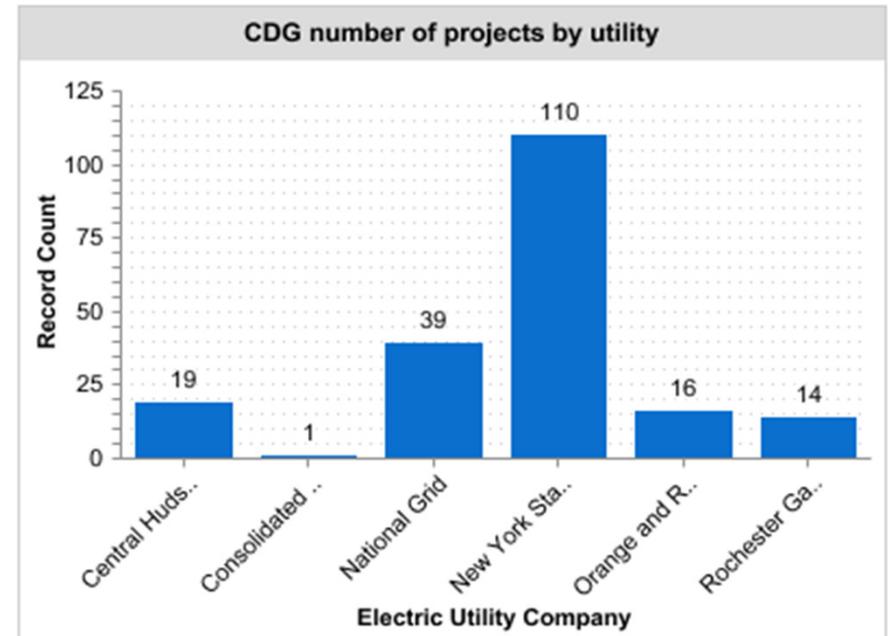
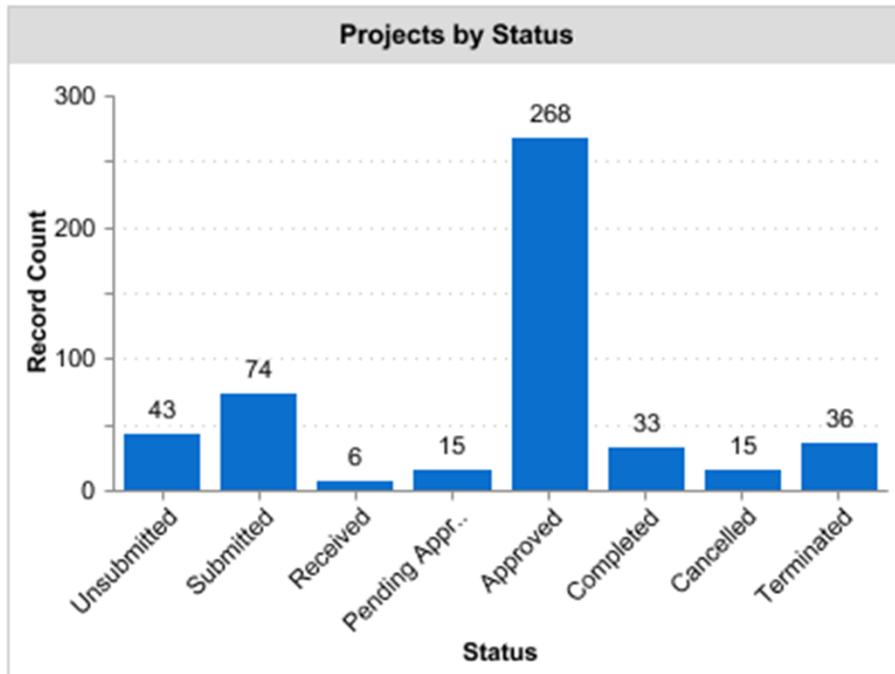
Utility	# of Projects	Capacity (kW)
Con Ed	122	44,836
CHG&E	17	10,714
ORU	13	14,190
National Grid	75	139,597
NYSEG	30	45,240
RG&E	14	15,015
Grand Total	271	269,592

Installed kW	107,952
Pipeline kW	161,640
Total kW	269,592

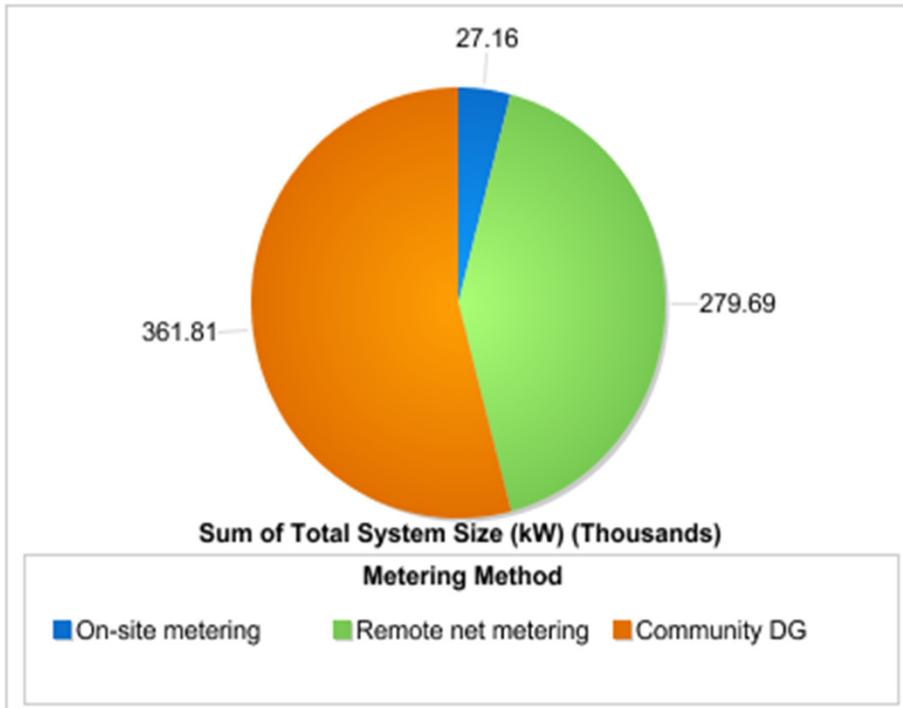




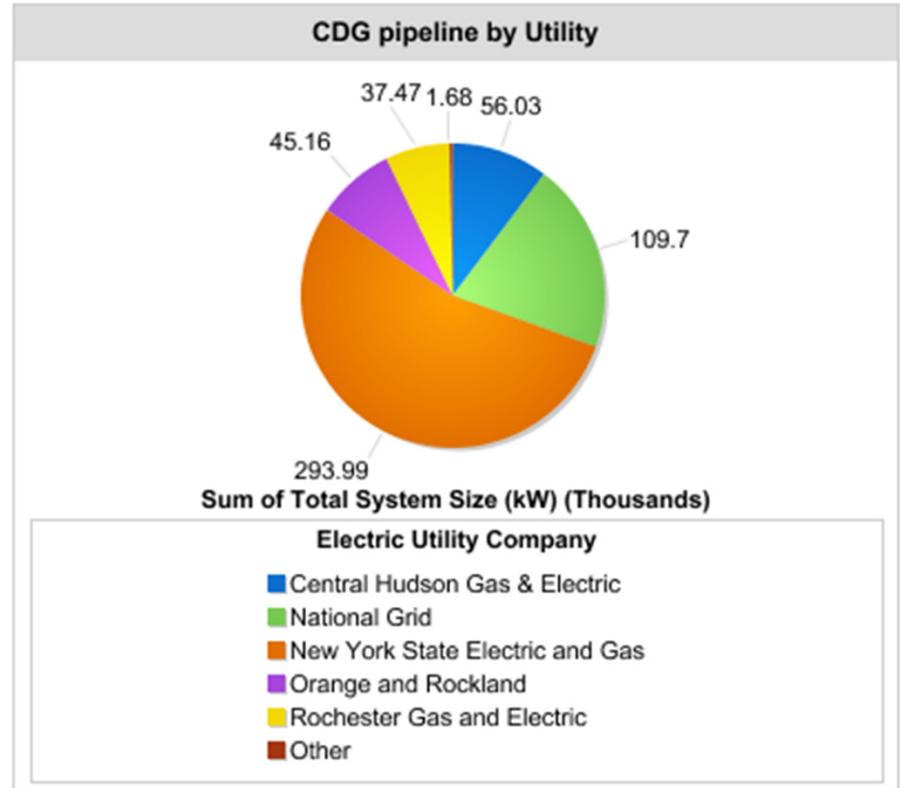
Commercial & Industrial MW Block Activity



CI number of MW by metering method

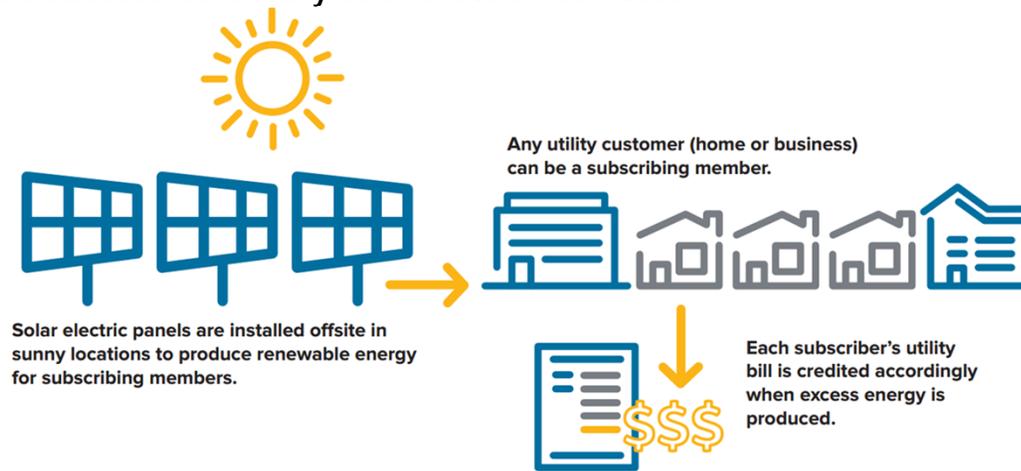


CDG pipeline by Utility



Shared Solar

- Allows a single large solar installation to credit production to many remote off takers
 - 60% minimum proportionate share of output for members less than 25 kW
 - 40% maximum proportionate share of output for members greater than 25 kW
- Projects can interconnect statewide as of May 1, 2016
- Net metering structure
- Makes solar accessible to many more New Yorkers



Soft Cost Reduction Programs

- Community Solar
- PV Trainers Network
 - Assistance to local governments
- NY Unified Solar Permit and supporting documents
- Interconnection Distributed Generation Ombudsman/ Working Groups
- NY Soft Cost Baseline Study
- Technical Assistance Program
- Green Jobs – Green NY Financing
- Solar-Ready Vets
 - PV training program for military veterans
- Rigorous QA program
 - Field and photo inspections

The Interconnection Management Plan

- Order Adopting Interconnection Management Plan and Cost Allocation Mechanism, and Making Other Findings effective January 25, 2017
- Addresses
 - Backlog of Distributed Generation (DG) projects in the utilities' interconnection queues
- Adopts
 - Queue Management Plan to clear inactive DG projects and to allow more advanced projects to progress to construction
 - Interim Cost Allocation Mechanism for certain DG projects, in which developers share the cost of grid upgrades

Solarize

- Community-driven outreach and customer aggregation campaign
- Competitive selection of solar installer(s)
- Limited time (6-9 months)
- Well-established model with room for innovation
- Support from NYSERDA



PV Trainers Network

Offers training to help local governments and jurisdictions identify opportunities, mitigate barriers, and create programs that drive the development of solar markets through education, training, and one-on-one technical assistance.

Available Workshops

- Expanding Commercial Solar with PACE
- Intro to Shared Solar
- Intro to Solar Land Use and Planning for Solar
- Land Use and Planning for Solar
- Solar Procurement for Local Governments
- Streamlining Solar Permitting

Full list available:

training.ny-sun.ny.gov



Solar Guidebook

- Help local governments prepare for and develop their local solar economies
- Contains information on:
 - Solar Permitting & Inspection Guide
 - Unified Solar Permit
 - Rooftop Access
 - Real Property Tax law RP487
 - Solar in Agricultural Districts
 - Landowner considerations for Leases
 - Decommission of Solar



Thank you

Frank Mace, Sr. Project Manager

Frank.Mace@nyserda.ny.gov

Alison Neligan, Project Manager

Alison.Neligan@nyserda.ny.gov