



NY-Sun

NYSERDA

NY-Sun and Community Solar

Community Energy Summit
Tupper Lake, NY

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Agenda

- NY-Sun Background
- Community Solar in NY
- Shared Solar (Community Distributed Generation) Overview
- Resources

Reforming the Energy Vision (REV)

Governor Cuomo's strategy to build a clean, resilient and affordable energy system for all new Yorkers

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

Provide long-term certainty to New York's growing solar market and lower the costs for homeowners and businesses investing in solar power

- Unprecedented solar growth – 575% growth in solar from 2012 to 2015
- 18,313 solar projects installed in 2015
- 525 MW installed – enough to power nearly 85,000 homes
- Strong job growth – 8,250 employed in solar industry in 2015 – New York ranked 4th in the U.S. for number of solar workers

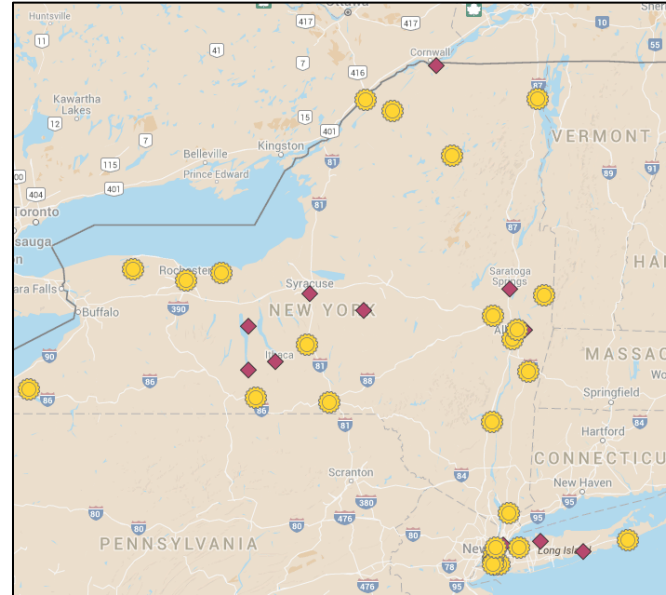
NY-Sun

- Incentives for solar installation
- “Soft cost” reduction efforts
- Assistance to local governments
- Customer education
- www.ny-sun.ny.gov

Community Solar in NY

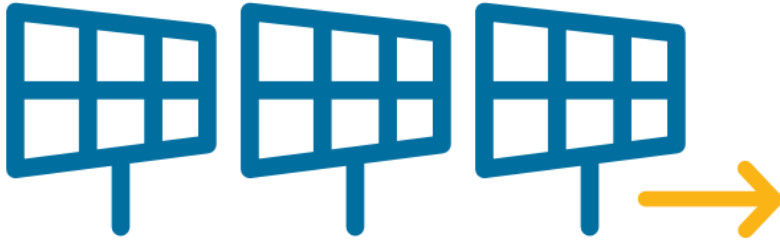
- Solarize
- K-Solar
- Shared Solar

Solarize campaigns in NY



Shared Solar (Community Distributed Generation)

- July 2015 Public Service Commission Order
- Projects can interconnect statewide starting May 1
- Net metering structure
- Makes solar accessible to many more New Yorkers

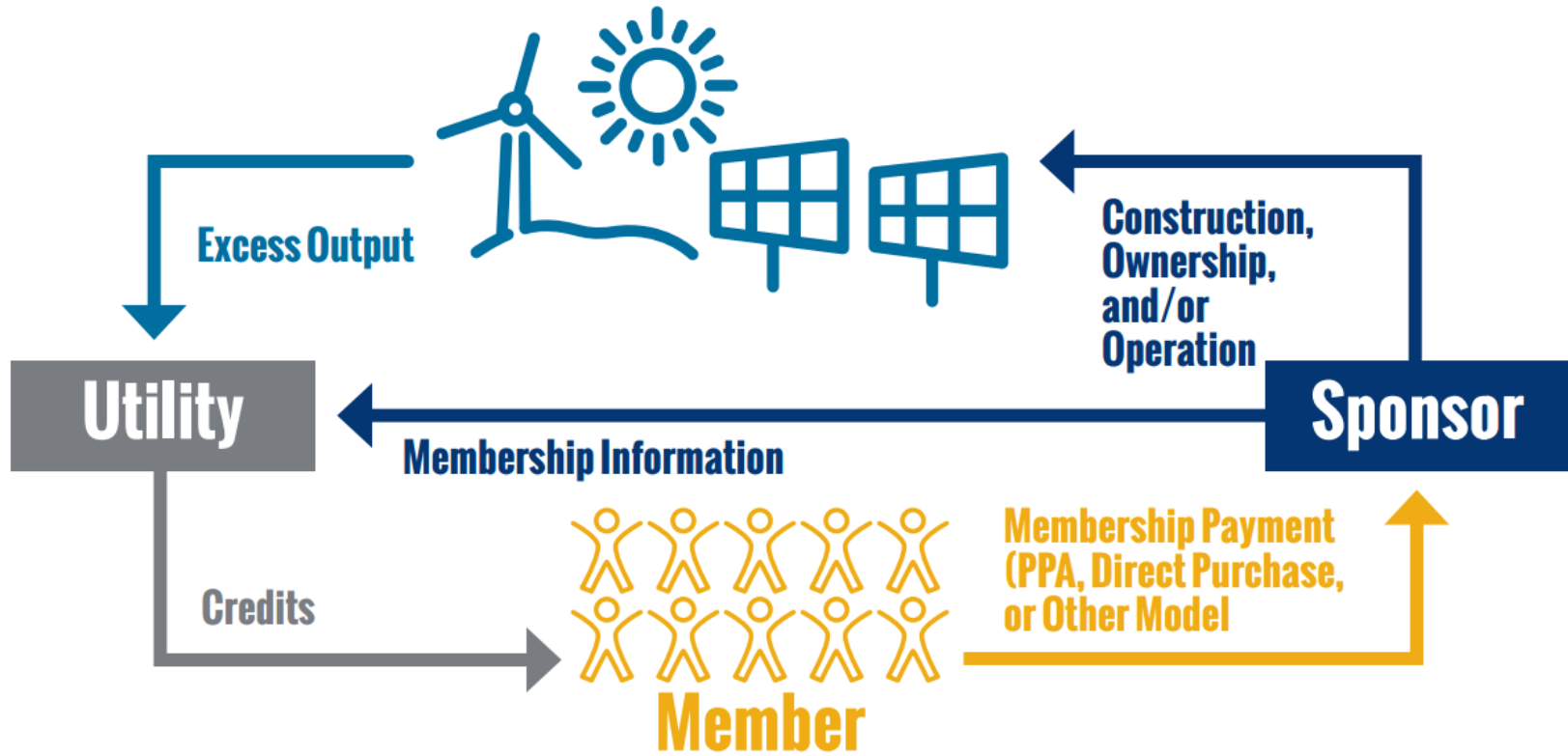


Solar electric panels are installed offsite in sunny locations to produce renewable energy for subscribing members.

Any utility customer (home or business) can be a subscribing member.



Each subscriber's utility bill is credited accordingly when excess energy is produced.



Size, Location & Cost of Shared Solar

How large is a shared solar project?

- Limited to 2 megawatts (MW)
- 2 MW project serves 200-400 households

Where can a project be located?

- Ground mounted (on land)
- Rooftops

What is estimated cost?

- 2 MW project: \$4-6 million for project development (before incentives and tax credits)



Shared Solar for Local Governments

Opportunity for Municipalities to...

- Expand access to solar in the community
- Obtain energy savings for municipality and/or residents

Municipalities can participate by...

- Sponsoring a Shared Solar Project
- Hosting a project on municipal land (subject to municipal rules)
- Becoming a member of a project
- Facilitating zoning for projects



Shared Solar for Private Landowners

Opportunity for landowners to...

- Increase income from leasing land
- Diversify income streams

Make sure to...

- Consult with your attorney about any land lease or purchase
- Understand all parts of land lease, including limits it may place on use and responsibilities for equipment at end-of-life (25+ years)
- Talk to local officials, understand property tax implications



Members

How many members?

- At least 10 members

How much power can a member take?

- At least 1,000 kWh per year (~15% of consumption of average NY household)
- Can't exceed historic average annual electricity consumption
- Large electricity users with avg. monthly peak demand of 25 kW or more may not take more than 40% of the project's output

Role of a member?

- Select project, shared-solar “package,” and sign contract with the sponsor
- Provide utility information to the sponsor
- Gain access to clean energy and receive credits on your utility bill

Understanding Membership Terms

- Will the membership now or eventually save you money?
- What is the length of an agreement?
- Are there nonrecurring and recurring costs/fees?
- What are the membership fees?
- What happens if you move or sell your house?
- Are there early termination fees?
- Do charges/fees increase over the course of contract?
- What is the operations and maintenance plan?
- What happens if the system under performs?
- What happens if the company goes out of business?

Project Sponsor Responsibilities

Over the 20-30 year lifetime of the project:

- Arrange for the development of the project
- Fully subscribe the project with members
- Manage customer turnover and attract new customers when necessary
- Interface with the utility to provide customer information and allocate customer credits
- Operate and maintain the power project

Shared Solar Resources

- Community DG Overview for Project Developers
- Community DG Overview for Sponsors
- Landowner/Member education and information
- NY-Sun PV Trainers Network
- NY Green Bank



Thank you!

