



# PON 3414: Predevelopment Program Quarterly Webinar Series

December 16, 2021

Christopher Rogers, Dylan Cunningham



**NYSERDA**

# Agenda

- > **Program Overview**
- > **Akwesasne Housing Authority Solar Farm**
  - Q&A
- > **Program Updates**
- > **Supported Activities**
- > **How to Apply**
- > **Q&A**
- > **Future Webinars**

# Program Overview

# What is NY-Sun?

- > NY-Sun is a NYSERDA initiative that administers programs to drive growth in the solar industry and to ensure a coordinated, well-supported solar energy expansion plan and a transition to a sustainable, self-sufficient solar industry.
- > In May 2020, NY-Sun was expanded to support the Climate Act requirement that New York reach 6 Gigawatts of installed distributed solar PV by the end of 2025.
- > NY-Sun is committing a minimum \$200 million for solar benefitting low-to-moderate income (LMI) households, affordable housing, environmental justice communities, and disadvantaged communities. This includes the Predevelopment Program as well as additional incentive funds for solar installations serving these groups.

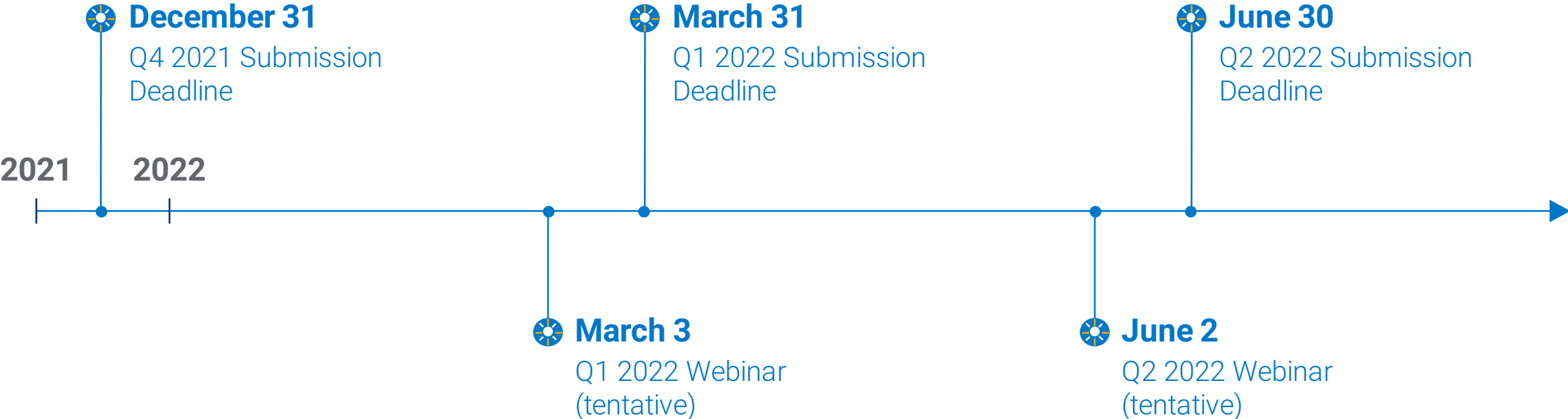
# Predevelopment Program Overview

- > PON 3414: Affordable Solar and Storage Predevelopment and Technical Assistance (Predevelopment Program): [www.nyserda.ny.gov/aspta](http://www.nyserda.ny.gov/aspta)
- > Applications accepted from **June 30, 2020 – December 31, 2024**
- > Provides grants up to **\$200,000** for the implementation and operation of solar and/or energy storage installations benefitting **affordable housing** and/or **community-led** solar installations that will offer benefits to LMI households
- > Grant applicants may include multifamily affordable housing providers, community organizations or agencies, and technical service providers (such as in energy, legal, or finance) working in partnership with any of these entities
- > Eligible projects may be located anywhere in New York, including the PSEG-Long Island service territory

# Review Process

- > Applications will be reviewed on a quarterly basis: next deadline is **December 31, 2021**
- > Applications may be reviewed prior to the quarterly deadlines, in the order they are received
- > Additional information may be requested from the applicant
- > Following the quarterly submissions, a review committee will score all complete and eligible applications
- > Notification of awards are expected to take place 4-6 weeks after each quarterly deadline
- > Approved applications begin contracting phase, which includes finalization of project Statement of Work and budget
- > Contracting may take an additional 4-6 weeks depending upon project complexity

# Timeline



# Key Program Terms

- > **Regulated affordable housing** – defined by participation of a property in one of the following programs:
- US Department of Housing and Urban Development (HUD) regulated affordable housing
  - New York State Homes and Community Renewal (HCR) regulated affordable housing
  - Low Income Housing Tax Credit financing
  - New York City Department of Housing Preservation and Development (HPD) regulated affordable housing (or other local housing agency)
  - SONYMA Mortgage Insurance financing
  - Weatherization Assistance Program
  - Housing Finance Agency's (HFA) 80/20 Program
  - New York City Housing Development Corporation's (HDC) 80/20 or Mixed Income Programs
  - Office of Temporary and Disability Assistance (OTDA) Temporary and Supportive Housing Programs
  - US Department of Agriculture (USDA) Rural Assistance Program



# Key Program Terms (continued)

- > **Technical service provider** – examples include solar/energy storage developers, legal firms, financial firms, green energy education organizations, etc.
- > **“in partnership with”** – refers to the requirement that technical service providers must collaborate with multifamily affordable housing providers and/or community organizations or agencies (documented via team agreements, sub-contracts, letters of intent, etc.).
- > **Multifamily home** – accommodates greater than four families.
- > **Single-family home** – accommodates between one and four families.
- > **Community-led projects** – projects that incorporate a community/cooperative ownership model and/or grant applications led by community-based organizations.

# AKWESASNE HOUSING AUTHORITY

## Community-Scale AHA Go Solar Initiative



Presented By:  
Elizabeth M. Jacobs, Executive Director  
and  
Kayla Herne, Finance Director

# Saint Regis Mohawk Tribe



- ▶ Contiguous Mohawk Community spanning:
  - ▶ One state (NY);
  - ▶ Two provinces (ON & PQ); and
  - ▶ Two countries (US & Canada).



# Saint Regis Mohawk Tribe

12



- ▶ The Mohawks were the easternmost member of the Haudenosaunee Confederation that entered into treaties with the United States in the 18<sup>th</sup> and 19<sup>th</sup> centuries (SRMT affected by the Jay Treaty of 1794 – Indian Reorg Act).
- ▶ SRMT occupies 19.0 square miles within its ancestral homeland along the St. Lawrence River.
- ▶ 12.9% of all Tribal members are below the poverty line, and 7% of those are age 65+.
- ▶ Unemployment: 9.6% (surrounding area of Franklin County, NY is 5.4%)



# Saint Regis Mohawk Tribe

- ▶ The Saint Regis Mohawk Tribal Council created the AHA by ordinance in 1984 for the purposes of:
  - ▶ Remedying unsafe and unsanitary housing conditions that are injurious to the public health, safety and morals;
  - ▶ Alleviating the acute shortage of decent, safe and sanitary dwellings for persons of low income; and
  - ▶ Providing employment opportunities through the construction, improvement, extension, alteration or repair and operation of low-income dwellings.
- ▶ AHA has constructed a total of 405 homes for low-income members since 1984.



## AHA's Mission

The Akwesasne Housing Authority ("AHA") has been providing Low Income Housing Support to the Akwesasne Community since 1984.

*"The mission of the Akwesasne Housing Authority and the St Regis Mohawk Tribe is to develop a comprehensive housing program that will address the needs of all Mohawks living on and around our designated Indian area. We will seek to generate and **promote community strength and prosperity** through **safe housing, supportive ventures, economic development, and program efficiency**. In the spirit of this mission, we will strive to protect and educate our future generations."*



# AHA's Accomplishments

- ▶ Receives NAHASDA Block Grants (Years 1998 - 2020),
- ▶ Community Cooperative Projects including a 12-bed Tribal Foster Care Facility, leveraging of funds for participation in the SRMT Water Enhancement Project, and expansion of the Tribe's limited sanitary system.
- ▶ Created and managed the Akwesasne Neighborhood Networks Computer Learning Center,
- ▶ Administration of a Rental Assistance program (TAP) for low income tribal members residing on and near the SRMT Reservation,.
- ▶ Established the Akwesasne Boys & Girls Club,
- ▶ Provide construction assistance to the Partridge House, the only in-house drug and alcohol rehabilitation facility,
- ▶ leveraged funds from the SRMT, USDA for the senior citizen center in 2005, Senior Housing Complex – Sunrise Acres Phase 1 (1998) and Phase 2 (2011 - ARRA).
- ▶ Contribution of \$1.8 million to the Diabetes Center of Excellence through IHBG & fundraising.



## AHA's Path to Renewable Energy Generation

- ▶ AHA spearheaded **Sustainable Design Practices** and **Renewable Energy** for all of its construction projects. It has also been advocating for similar policies in the Akwesasne Community.
- ▶ 2015-2016 - AHA realized a valuable partnership with the US Department of Energy/Indian Energy, NREL & Sandia Labs - provided excellent training assistance to develop the Tribe's draft Strategic Energy Plan, 2015-2020 for our community to jump start efforts.





# AHA's Path to Renewable Energy Generation

AHA's Considerations for Change;

- ✓ Cost savings
- ✓ Climate change
- ✓ Sustainability
- ✓ Economic development
- ✓ Self-sufficiency

Our Start (2008/2009):

## **Creation of a safe complex for tribal seniors**

- ▶ Expansion of Existing Senior Housing
- ▶ Convenient location (clinic, senior center, etc.)

## **Investment**

- ▶ ARRA created the opportunity for AHA to push forward a "future project" in the planning stages.
- ▶ Added points for green building
- ▶ \$4 Million in grant funds



## “It Gets Cold up Here”

Residential Heating is one of the largest economic factors in maintaining affordable housing, especially among the elderly in the community.

### Akwasne Climate

- ▶ Zone 6
- ▶ 9,046 HDDs
- ▶ 116 CDDs
- ▶ Winter Design: -15°F
- ▶ Summer Design: 85°F/71°F db/wb





## High Cost of Electricity for SRMT Tribal Members

### 2015 average residential monthly electricity consumption:

- ▶ U.S.: 901 kWh @ 12.65 cents per kWh = \$114.03
- ▶ AZ: 1028 kWh @ 12.13 cents per kWh = \$124.67
- ▶ CA: 557 kWh @ 16.99 cents per kWh = \$94.59
- ▶ NM: 635 kWh @ 12.47 cents per kWh = \$79.23
- ▶ **NY: 601 kWh @ 18.54 cents per kWh = \$111.32**
- ▶ WA: 964 kWh @ 9.09 cents per kWh = \$87.64
- ▶ WI: 668 kWh @ 14.11 cents per kWh = \$94.26



Retrieved from: (<http://www.eia.gov/tools/faqs/faq.cfm?id=97&t=3>)

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under [CC BY-  
NC](#)



# Project Objectives

- ▶ Decrease Tribal members reliance on fossil fuels & reduce our collective carbon footprint;
- ▶ Increase Tribal self-sufficiency;
- ▶ Add diversity & standardize energy efficient energy systems;
- ▶ Significantly lower energy costs for disproportionately high low-to-moderate income Tribal members;
- ▶ Create a model for low-income Tribal energy projects; and
- ▶ Create jobs & mentoring opportunities for Tribal members.



## Project Overview

- ▶ AHA installs approximately 614.74 kW to service 159-housing related buildings, including 80 tribal residences.
- ▶ The electrical power from the solar facilities will be utilized under National Grid's community distributed generation program.
- ▶ The project will serve 5% of the total tribal community residential energy load and 4% of the total electrical energy usage, including governmental and commercial buildings.



# AHA's Sunrise Acres Senior Low-Income Housing

- ▶ Phase I – **1998**, conventional construction
- ▶ Phase II – **2011** Sustainable Design, Solar PV
- ▶ Phase III – **2017** Sustainable Design, Remote net-metering
- ▶ Phase II – Addition & Enhancement – **2021** Solar PV





# Sunrise Acres Complex Phase II

- ▶ Constructed in 2011 adjacent to Phase 1 Complex
- ▶ 5 Single Story 4 Unit Apartment Buildings (4,356 SF)
- ▶ Training Center (5,952 SF) with office & meeting room
- ▶ Sustainable Design Elements (Solar & Geothermal)





# Sunrise Acres Complex Phase II

## Energy Efficient Building Envelope

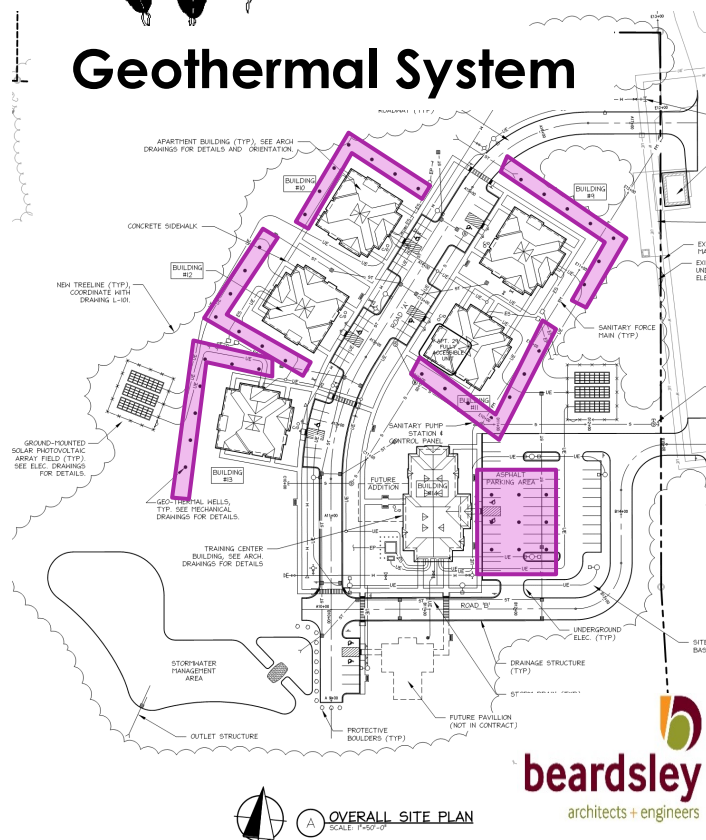
- ▶ Insulated Concrete Form (ICF) Construction for Walls & Foundation - R20
- ▶ Energy heel pre-engineered wood truss roof - R40
- ▶ Fully insulated concrete slab floors – R10
- ▶ Windows – Double Hung, Anderson 400 Series, Argon gas filled Low E,  $U=0.41$







# Sunrise Acres Complex Phase II



- ▶ Apartments – 7 wells, 400' each
- ▶ Training Center – 9 wells, 400' each
- ▶ 44 wells total, +/- 7 miles of tubing
- ▶ Provides both heating and cooling
- ▶ Very Efficient – EER 16-26, COP 3.2-4.1

Provides seasonal energy storage - Injects heat into the ground in the summer for use for heating in winter.

Picture: Well drillers installing geothermal wells. (AHA, 2010)

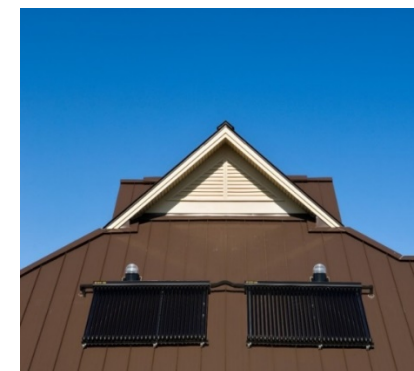
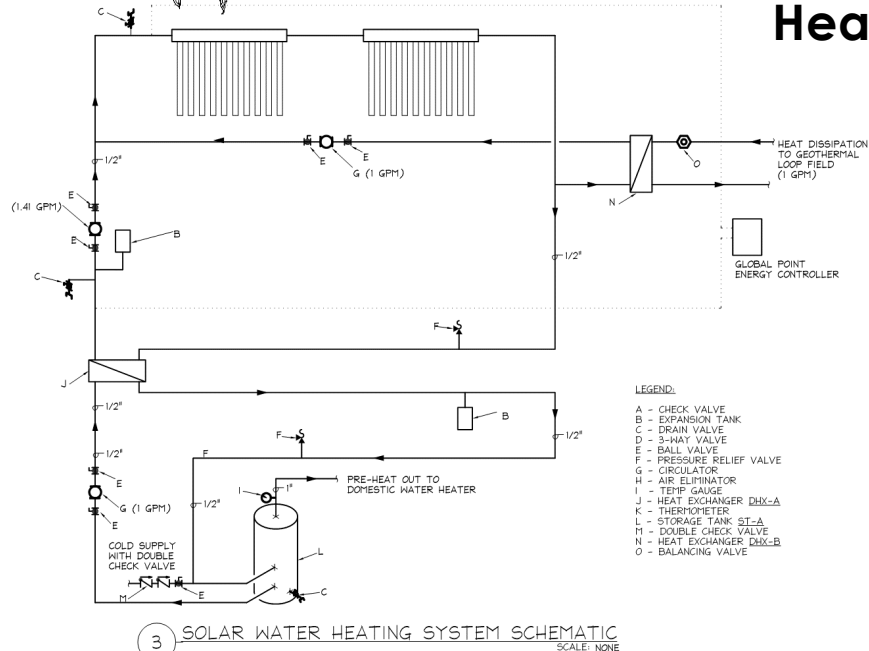






# Sunrise Acres Complex Phase II

## Passive Solar Hot Water Heating



- ▶ Evacuated Tube Heat-Pipe Collectors
- ▶ 2 panels per building – 45 ft<sup>2</sup> each
- ▶ Provides approximately 50% of hot water demand
- ▶ When hot water is not required, excess heat is injected into geothermal loop (stored in the ground for use in heating)



# Sunrise Acres Phase III SASH/VASH

## **Sunrise Acres Supportive Housing/Veterans of America Supportive Housing**

### ❑ **Funded by:**

- ▶ Office of Temporary and Disability Assistance (OTDA) Homeless Housing and Assistance Program (HHAP), New York State Homes and Community Renewal (HCR)

### ❑ **Project Outcomes:**

- ▶ Two new Buildings adjacent with (12) apartments for seniors with supportive needs and (6) veterans and homeless veterans.
- ▶ Sustainable Design Strategies, electric heat pumps, sustainable materials and high energy efficiency building envelope.
- ▶ Construction completed in December 2019



# Sunrise Acres Phase III SASH/VASH

## Energy Efficiency Strategies

- ▶ High Efficiency Envelope – ICF construction, R30 walls, R50 Roof
- ▶ High Efficiency HVAC Systems – Air Source VRF Heatpump with Biomass (pellet Boiler) with radiant floor supplemental heat in the Seniors Building Common spaces. ERV for ventilation
- ▶ High Efficiency Lighting – CFL & LED interior lighting, LED exterior lighting, Solar Daylighting tubes
- ▶ Off-Site Solar PV array with Net metering – AHA “Go Solar Project”



# High Energy Efficiency Initiative Program (HEEIP)

## ❑ **Funded by:**

Indian Community Development Block Grant (ICDBG) U.S. Department of Housing and Urban Development in conjunction with New York State Energy Research and Development Agency (NYSERDA) grants, EmPower & Assisted Home Performance (AHP)

## ❑ **Project Outcomes:**

- ✓ Completed **96** Home Energy Audits and rehabilitation projects.
- ✓ Saved the SRMT Tribal community approximately \$60,000 in savings per year
- ✓ Improved the health and safety of **96** homes and countless tribal members



# Work Performed Under AHA High Energy-Efficiency Initiative

- ▶ Air sealing;
- ▶ Basement wall demo;
- ▶ Duct sealing, installation, modification and balancing;
- ▶ Furnace adjustment;
- ▶ Installation of gable vents, bath fans, trap in bathroom plumbing;
- ▶ Attic insulation;
- ▶ Chimney removal;
- ▶ Basement window replacement;
- ▶ Gutter replacement;
- ▶ Rim joist upgrades;
- ▶ Smoke & CO detector installation;
- ▶ Spray Foam application above grade basement walls, floor of overhang, overhangs, rim joists;
- ▶ Venting bath fans, dryer and kitchen exhaust to exterior; and
- ▶ Water heater replacement.



# “AHA’s Go Solar” Initiative Solar Facility

## ❑ **Funded by:**

ICDBG Program and U.S. Department of Energy – Office of Indian Energy Grant Program.

Tribe set aside 25 acre parcel for renewable energy development located near the Akwesasne Mohawk Casino.

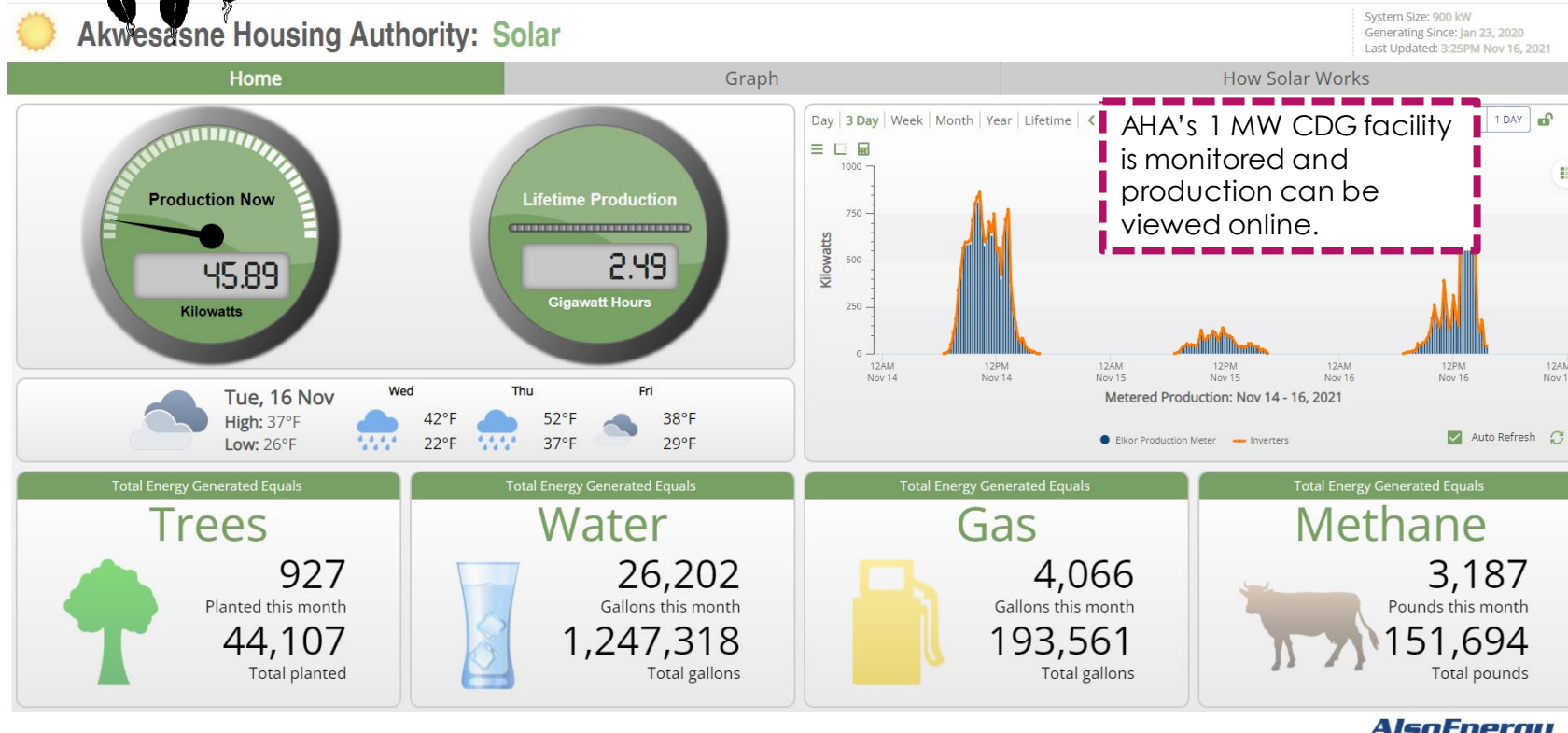
## ❑ **Project outcomes:**

- ▶ **50 kW on-site** solar addition (Sunrise Acres Complex). Initial 275 kW Array for offsetting energy use at Sunrise Acres via net-metering.
- ▶ **1 MW solar facility** Community Distributed Generation (CDG) facility.
- ▶ Remainder of 25 Acre site to be developed as Solar Farm for net metering additional AHA buildings and Tribal residences.





# “AHA’s Go Solar” Initiative Solar Facility



Retrieved from the website:

<https://pubdisplay.alsoenergy.com/kiosk/18014398509533822?dashkey=2a5669734a6657484443513d3d&tag=8125427>



# AHA Go Solar! Initiative Solar Facility

Production:      Approx. 1 MW  
Size:                7 acres



Pictures taken on  
September 2, 2021 courtesy  
of AHA.



# Community Distributed Generation

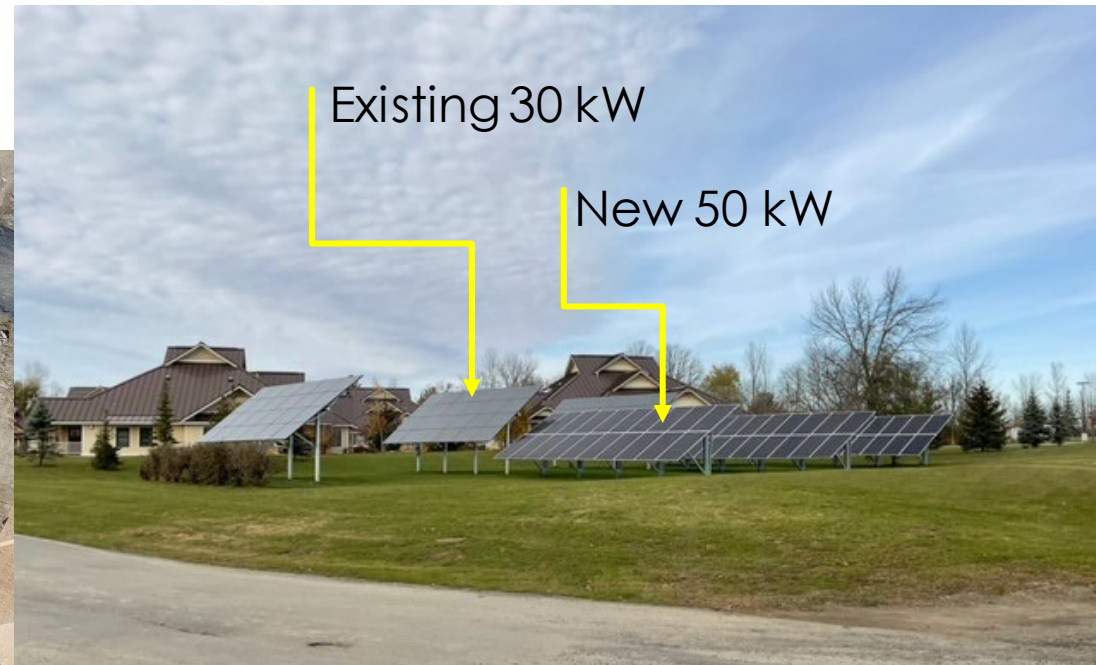
The New York State Public Service Commission (PSC) established the Value of Distributed Energy Resources (VDER).

□ VDER projects:

- ▶ Located behind a non-residential host utility meter;
- ▶ Generate solar credits for electricity production in excess of the host's usage; and
- ▶ Are allocated these credits eligible low-to-moderate (LMI) income tribal households through a solar subscriptions program administered by AHA each month.



# Sunrise Acres Complex On Site Solar



Pictures courtesy of AHA.



## Aggregated Net Metering (2008)

- ▶ AHA took advantage of New York's remote aggregated net metering program to service the Sunrise Acres Complex Site on site solar arrays back in 2008.
- ▶ New York's remote aggregated net metering program allows a customer to receive full retail credit on its various accounts from electric generating equipment located on property within the same utility zone.
- ▶ Net metering has been replaced by the Value Stack system governed by the New York State Public Service Commission
- ▶ AHA added an additional 50 kW to the existing 30 kW of onsite solar and opted to remain in the net metering program with National Grid.



# LLC Operating Agreement & Power Purchase Agreement

- ▶ Will provide that AHA, as an instrumentality and subdivision of the Tribe, receives full credit for the DOE grant and full value of the investment tax credits received by investor and the NYSERDA incentives for the solar facilities.
- ▶ Will require that once the remaining amount due to the investor has been paid, any additional money coming into the LLC will be credited to AHA as an instrumentality and subdivision of the Tribe. Will provide for energy payments to be reduced to only a very nominal amount.
- ▶ The Power Purchase Agreement and LLC Operating Agreement allow AHA to ensure the investor's exit and full AHA ownership of the facilities.

**Nia:wen ko:wa ta'non Sken:nen  
Thank You very much and  
peace.**



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# Program Updates



# Program Updates

<b>Program Area</b>	<b>Update</b>
Supported Activities	No update as of June 2020
Other Program Details	No update as of September 2021 (ICSA)
Review Process	No update as of June 2020
How to Apply/Application Process	No update as of June 2020
Timeline	No update as of June 2020

# Inclusive Community Solar Adder

**Goal: Increase access to community solar for low-to-moderate income (LMI) households, help people save money on their electric bills; reduce operating costs for affordable housing and nonprofits serving disadvantaged communities (DACs).**

- > The Inclusive Community Solar Adder (ICSA) was approved in the May 2020 NY-Sun Order as part of \$135 million Solar Energy Equity Framework, and launched on July 20, 2021.
- > ICSA works within the existing CDG rules and NY-Sun program structure. All NY-Sun Participating Contractors can receive the Adder for eligible projects.
- > Available to projects serving low-to-moderate income subscribers, affordable housing, and other facilities serving disadvantaged communities.
- > Estimated Impact: 25,000–50,000 LMI households, affordable housing providers, and facilities serving DACs will receive bill savings from ~500 MW of community solar.

# Key Program Rules and Requirements

*This slide is for reference only, see the [NY-Sun Program Manual](#) for complete program rules*

- > CDG projects with approved NY-Sun applications are eligible, new projects must first submit NY-Sun applications and then apply for the ICSA
- > ICSA incentive award is based on project type and planned capacity allocated to eligible subscribers
- > ICSA payment is based on actual, documented capacity allocated to eligible subscribers
- > At least 20% of project capacity must be allocated to eligible residential subscribers
- > The program provides multiple options for documenting that LMI residential subscribers are considered eligible
- > Eligible nonresidential subscribers include qualified affordable housing and nonprofits serving DACs
- > All eligible subscribers must be “new” and used for the ICSA on only one project

# ICSA x The Predevelopment Program

- > Compelling Predevelopment Program applications will provide the greatest possible benefits to LMI households
  - The Inclusive Community Solar Adder (ICSA) is available for CDG solar projects serving low- to moderate income (LMI) subscribers, affordable housing, and other facilities serving disadvantaged communities (DACs).
  - For more information about the ICSA, visit NY-Sun's [ICSA](#) page
- > Predevelopment applications that include ICSA projects are subject to additional criteria:
  - Minimum percentage allocation of 60% of solar credits to a mix of either eligible residential or affordable housing/nonresidential subscribers
  - Guaranteed savings of at least 15%
  - Documented partnership with a community-based organization

# Supported Activities

# Supported Activities (Part 1)

- > Organizing a project business model and securing financing
- > Early stage project planning, project team organization, and site identification
- > Development of cooperative or community ownership models
- > Procuring services from solar and/or storage developers
- > Preliminary site assessments
- > LMI customer outreach and enrollment
- > Development of project models that allocate benefits to residents of affordable housing and/or an environmental justice (EJ) community

# Supported Activities (Part 2)

- > Aggregated purchasing of solar and/or storage for LMI households
- > Models for the promotion of cooperatives and other community ownership structures to provide LMI community ownership opportunities of solar and/or storage projects
- > Financial analysis of solar and/or storage project viability including business analysis, savings estimate, and intended use for the project
- > Securing of project financing or credit enhancement for project
- > Resiliency enhancements activities for LMI households, EJ communities, or disadvantaged communities by solar and/or storage projects, which includes, but are not limited to, predevelopment and technical assistance activities related to back-up systems for critical power loads in affordable housing and/or other community facilities serving LMI households

# How to Apply



# How to Apply

- > Interested applicants should visit the [program page](#) for a brief overview of the program including basic eligibility requirements
- > The [funding opportunity page](#) contains all necessary materials to submit an application (i.e., program solicitation, draft standard agreement, and program application)
- > Project applications are comprised of the project detail, work plan, and budget
- > Once you have completed all required materials, applications must be submitted via the [online application portal](#)

# Q&A

Christopher Rogers

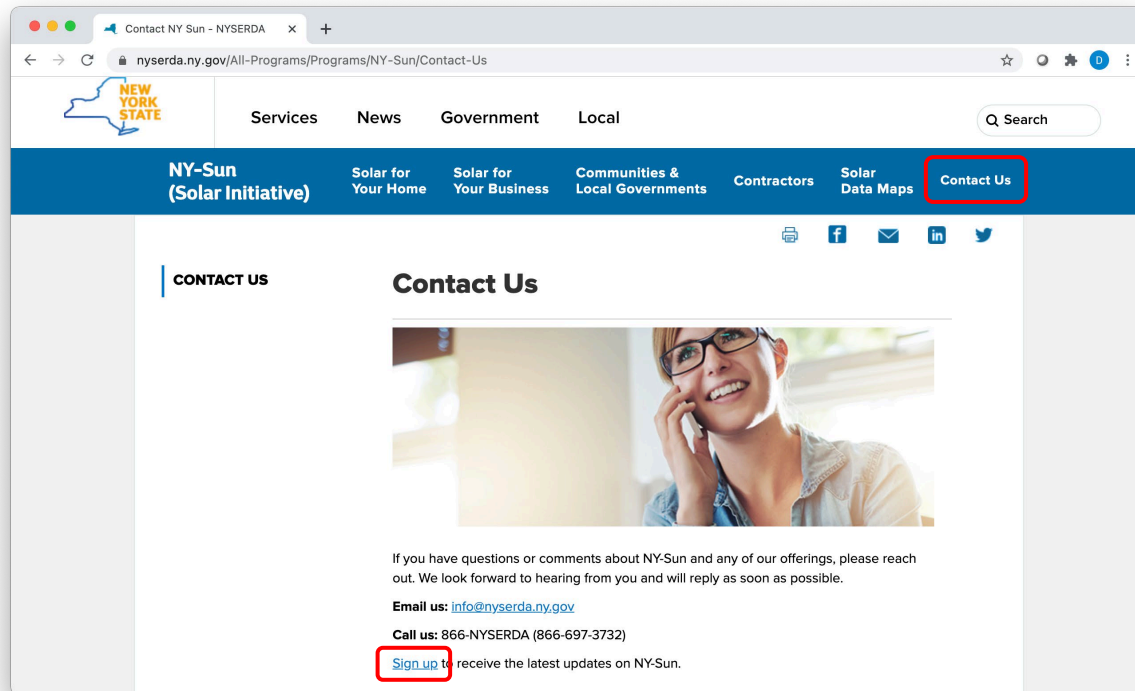
212-971-5342 x3020

[Christopher.Rogers@nyserda.ny.gov](mailto:Christopher.Rogers@nyserda.ny.gov)

# Future Webinars

- > As part of this quarterly series, a webinar will be held approximately one month before each rolling submission deadline
- > Future webinars may highlight past Predevelopment projects and include guest speakers
- > Announcements will be sent via email approximately one month in advance

# Sign up to receive emails from NY-Sun



- > Go to [nyserda.ny.gov/ny-sun](https://nyserda.ny.gov/ny-sun)
- > Click **“Contact Us”** in the navigation menu
- > Scroll down the page and click **“Sign up to receive the latest updates on NY-Sun”**
- > Enter your information and be sure to select **“Affordable Solar (Low-to Moderate-Income)”** under “Email Lists”

## ✓ **Affordable Solar (Low-to Moderate-Income):**

Information and updates on programs serving the low-income population to include Affordable Solar and Affordable Solar Predevelopment and Technical Assistance.

# Appendix

# How to Apply

- > Project applications are comprised of the project detail, work plan, and budget
- > The documents are fillable PDFs that contain all important details about your proposal including project team and projects goals
- > Any additional materials (e.g., letters of support) may be included alongside the application as attachments

## PREDEVELOPMENT PROJECT DETAIL FORM

### Affordable Solar and Storage Predevelopment Technical Assistance



List the key individuals and organizations on the project team, including any sub-contractors or partners with significant involvement.

**Provide the following details for each team member (or organization):**

- Summary of relevant background and experience, including any experience implementing a solar and/or storage projects. (If submitting resumes, attach in the "Additional Support Documentation" section)
- Role(s) on this project.
- Geographic location, total number of employees, and business or product portfolio information.
- List any NYSERDA contracts awarded in the last five years.

## PROJECT SUMMARY

**In 500 words or less, summarize the proposed project, addressing the following:**

- Target market and customers/participants, including any current challenges in accessing solar and/or storage services.

# How to Apply

- > The draft Work Plan contains the framework that will describe project milestones
- > Draft Statements of Works that are submitted are not final, but should reflect all planned activities
- > Applicants are strongly encouraged to follow structure of listing the responsible party for each milestone activity as well as for numbering outcomes
- > Projects may invoice upon full completion of each milestone

Milestone 0 – Contract Execution	
<b>Time to Complete</b> <i>Indicate, in months, time required to complete this milestone.</i>	[Insert] number months from contract execution when milestone will be completed
<b>Key Activities</b> <i>Describe the proposed activities to be funded by NYSERDA during this milestone. For each activity listed, indicate who will be responsible for or performing the work.</i>	[Insert] responsible party • [Insert activities]
<b>Outcome and Documentation</b> <i>Results at this milestone should include a detailed project management plan, confirmed project team and other resources, and launch meetings or events.</i>	1. [Insert Outcome #1] 2. [Insert Outcome #2] 3. [Insert Outcome #3] All outcomes and documentation that will result from the completion of each milestone should be numbered
<b>Proposed NYSERDA funding to reach Milestone 0</b>	
Milestone 1 – Mobile Milestone	
<b>Time to Complete</b> <i>Indicate, in months, time required to complete this milestone.</i>	[Insert] number months from contract execution when milestone will be completed
<b>Key Activities</b> <i>Describe the proposed activities to be funded by NYSERDA during this milestone. For each activity listed, indicate who will be responsible for or performing the work.</i>	[Insert] responsible party • [Insert activities]
<b>Outcome and Documentation</b> <i>Results at this milestone should include a detailed project management plan, confirmed project team and other resources, and launch meetings or events.</i>	1. [Insert Outcome #1] 2. [Insert Outcome #2] 3. [Insert Outcome #3] All outcomes and documentation that will result from the completion of each milestone should be numbered
<b>Proposed NYSERDA funding to reach Milestone 1</b>	
Milestone 2 – Midpoint Milestone	
<b>Time to Complete</b> <i>Indicate, in months, time required to complete this milestone.</i>	[Insert] number months from contract execution when milestone will be completed
<b>Key Activities</b> <i>Describe the proposed activities to be funded by NYSERDA during this milestone. For each activity listed, indicate who will</i>	[Insert] responsible party • [Insert activities]

# How to Apply

- > **Contract Execution Milestone** – Execute NYSERDA agreement with Final Work Plan
- > **Mobilization** – Establish a detailed project management plan and operating procedures for the project
- > **Midpoint Milestone(s)** – Make significant progress towards or reach partial completion of project outcomes
- > **Substantial Completion Milestone** – All major project outcomes have been or are close to completion
- > **Project Deployment** – At the close of the agreement, the project team should be ready to initiate next steps, such as the deployment of the business model and/or construction of the solar electric and/or storage system



# How to Apply

- > The Draft Standard Agreement is included so that interested applicant may review all NYSERDA standard terms and conditions in advance of submitting an application
- > These conditions are set at the State level and are not subject to change or negotiation

**New York State Energy Research and Development Authority  
("NYSERDA")**

**AGREEMENT**

1. Agreement Number:
2. Contractor:
3. Project Director:
4. Effective Date:
5. Total Amount of Award:
6. Project Period:
7. Commitment Terms and Conditions

This Agreement consists of this form plus the following documents:

- Exhibit A, Statement of Work:
- Exhibit B, General Contract Provisions, Terms and Conditions:
- Exhibit C, Standard Terms and Conditions:
- Exhibit D, Prompt Payment Policy Statement:

8. ACCEPTANCE. THIS AGREEMENT SHALL NOT BECOME EFFECTIVE UNLESS EXECUTED BELOW BY NYSERDA.

[CONTRACTOR]

Signature \_\_\_\_\_

Name

**NEW YORK STATE ENERGY  
RESEARCH AND  
DEVELOPMENT AUTHORITY**

Signature: \_\_\_\_\_

NYSERDA Authorized Signatory

# How to Apply

- > After reviewing the solicitation summary and filling out the required attachments, the [online application portal](#) will allow you to submit the application
- > The solicitation summary and required attachments are available via the [funding opportunity page](#)
- > Additional links to the key application documents are also available via the portal



## Affordable Solar and Storage Predevelopment and Technical Assistance

### Proposal Documentation Application

Please use this form to electronically submit the documentation for your Affordable Solar and Predevelopment and Technical Assistance application.

**Please note: Partially completed information cannot be saved, be sure to have all details with you before beginning the form. Upon submission, you will receive a confirmation and a tracking number on your screen to print or save. Refer to this tracking number to check on the status of your request.**

The following files are required to complete your submission. Attach them in the "Uploads" section:

- [Predevelopment Project Detail](#)
- [Proposed Work Plan](#)
- [Project Budget](#)

Letters of support and other documentation may be uploaded via the "Additional Support Documentation" option.

# How to Apply

- > In addition to the Project Detail, Work Plan, and Budget, you may upload multiple attachments via the Additional Support Documentation option
- > After submitting an application, you will receive an automated email with your application number
- > This automated message will also include links to all submitted attachments

## Uploads

Predevelopment Project Plan \*

[Click Here to Upload](#)

Predevelopment Work Plan \*

[Click Here to Upload](#)

Predevelopment Budget \*

[Click Here to Upload](#)

Additional Support Documentation

[Click Here to Upload](#)

# **Other NYSERDA Programs & Resources**

**For Multifamily Buildings**

# Flexible Technical Assistance (FlexTech) Program

- > **Cost-share technical assistance services:**
  - 50% cost share of energy audit and other studies
  - Can be combined with MPP incentives
  - Use it for standalone studies or as part of your MPP project
  - Use a FlexTech Consultant or Independent Service Provider
- > **For more information, visit**  
[nyscrda.ny.gov/flextech](https://nyscrda.ny.gov/flextech)

# On-site Energy Manager (OsEM) Program

- > **Hire On-site Energy Manager & NYSERDA will subsidize the salary**
  - Provides up to 75% cost share for having an on-site energy manager
  - Minimum requirements: 20 hours per week, 1 year engagement
  - Can manage multiple buildings
- > **For more information, visit [nyserderda.ny.gov/osem](https://nyserderda.ny.gov/osem)**

# Multifamily Performance Program (MPP)

- > **Technical support and incentives to improve your building through energy efficiency upgrades**
  - Comprehensive energy efficiency program
  - Project must yield at least 15% energy savings relative to the building's energy use
  - Utilizes vetted Providers in Multifamily Building Solutions Network
  - Program is technology agnostic
  - Additional incentives for MPP projects with heat pump measures
  
- > **For more information, visit [nyscrda.ny.gov/mpp](https://nyscrda.ny.gov/mpp)**

# RetrofitNY

- > **Spearheading the creation of standardized, scalable solutions and processes that will improve the aesthetic and comfort of New York's buildings while improving their energy performance**
  - Building Owners & Developers: make your operating costs more manageable with the RetrofitNY approach
  - Solutions Providers & Manufacturers: transform how buildings are renovated and explore development of key technologies needed for RetrofitNY
  
- > **For more information, visit [nyscrda.ny.gov/retrofitny](https://nyscrda.ny.gov/retrofitny)**



# Real Time Energy Management (RTEM) Program

- > **Cost-share for installation and ongoing support for real time data monitoring and analytics**
  - Gain real time visibility into your current and historical energy performance
  - Improve the reliability and uptime of systems with automated predictive capabilities
  - Covers: hardware, installation, and ongoing support
  - Must partner with an approved RTEM vendor
  - Service contract for up to 5 years after installation
- > **For more information, visit [nyscrda.ny.gov/rtem](https://nyscrda.ny.gov/rtem)**

# Building Operations and Maintenance Workforce Development Training Program

- > **Improve the skills of existing building operators and maintenance workers**
  - Provides funding to develop training and tools for building operators and maintenance workers
  - For buildings with annual energy expenditures of \$1M or more
  - 50% cost share of project costs, with cap of \$400K
- > **For more information, visit [nyscrda.ny.gov/All-Programs/Programs/Clean-Energy-Workforce-Development/Building-Operations-and-Maintenance-Program](https://nyscrda.ny.gov/All-Programs/Programs/Clean-Energy-Workforce-Development/Building-Operations-and-Maintenance-Program)**

# How to Access Each Multifamily Program

- > Flexible Technical Assistance (FlexTech) Program: [nyserderda.ny.gov/flextech](https://nyserderda.ny.gov/flextech)
- > On-site Energy Manager (OsEM): [nyserderda.ny.gov/osem](https://nyserderda.ny.gov/osem)
- > Multifamily Performance Program (MPP): [nyserderda.ny.gov/MPP](https://nyserderda.ny.gov/MPP)
- > RetrofitNY: [nyserderda.ny.gov/retofitny](https://nyserderda.ny.gov/retofitny)
- > Real Time Energy Management (RTEM) Program: [nyserderda.ny.gov/rtem](https://nyserderda.ny.gov/rtem)
- > Building Operations and Maintenance Workforce Development Training Program: [nyserderda.ny.gov/All-Programs/Programs/Clean-Energy-Workforce-Development/Building-Operations-and-Maintenance-Program](https://nyserderda.ny.gov/All-Programs/Programs/Clean-Energy-Workforce-Development/Building-Operations-and-Maintenance-Program)
- > NY-Sun: [nyserderda.ny.gov/solar](https://nyserderda.ny.gov/solar)