



PON 3981

Energy Efficiency & Clean Technology Training

Informational Webinar | June 12, 2023



NYSERDA

Overview

PON 3981 Snapshot:

Competitive solicitation for projects that provide technical training and education, hands-on experience and job placement services in energy efficiency and clean technology industries.

Two categories:

1. Training for Existing Workers and Individuals in Formal Training Programs.
2. Career Pathways for New Workers/New Entrants in Clean Energy.

Funding:

- \$10 million, including \$3M dedicated to training activities that support building electrification.
- Up to \$1 million per project.

49 projects funded to date

Basic Eligibility Criteria

Eligible Training Providers:

- Technical high schools, community colleges, colleges & universities
- Trade associations, manufacturers, equipment suppliers, distributors, unions
- Firms and subcontractors that support engineering, procurement, construction, operations & maintenance
- Renewable energy service providers, project developers & owners
- Training and job placement intermediaries, community-based/non-profit organizations

Requirements:

- Must have a [demonstrated track record](#) in energy-related training, job preparedness and/or placement and hold appropriate qualifications.
- Lead Applicant must be registered to do business in NYS and have a NYS office or training location.
- Special consideration given to projects that include or are led by MWBEs and/or SDVOBs.

Basic Eligibility Criteria

Eligible Technology Areas:

- High-efficiency heating, ventilation, and air conditioning (HVAC) and water heating
- Building electrification/heat pump technologies
- Insulation and air sealing
- High-efficiency lighting and controls
- Building automation and controls
- Smart grid and energy storage
- Electric vehicle charging station installation and maintenance (new!)
- **Large-scale, land-based renewable energy generation** that is actively supported through **New York's Clean Energy Standard**.*

Basic Eligibility Criteria

Large-scale, Land-based, Renewable Energy Generation Actively Supported by the Clean Energy Standard

Clean Energy Standard

- The most comprehensive and ambitious clean energy goal in New York State's history.
- Designed to fight climate change, reduce harmful air pollution, and ensure a diverse and reliable low-carbon energy supply.

Renewable Energy Systems (RES)

"Systems that generate electricity or thermal energy through use of the following technologies: solar thermal, photovoltaics, on land and offshore wind, hydroelectric, geothermal electric, geothermal ground source heat, tidal energy, wave energy, ocean thermal, and fuel cells which do not utilize a fossil fuel resource in the process of generating electricity." - *Climate Leadership and Community Protection Act (CLCPA)*

To be eligible under PON 3981, RES technologies supported by the CES need to be large-scale and land-based. Offshore wind and residential-scale solar training does not qualify.

Basic Eligibility Criteria

Initiatives and activities for which NYSERDA funding may be used:

- Curriculum or certification development, modification when there is a demonstrated market gap and need.
- Training delivery (online, classroom, on-site, etc.) and certification costs.
- Equipment purchases for hands-on training.
- Hiring and training of trainers.
- Implementation of mentorships and internships*.
- Development of pre-apprenticeship and apprenticeship programs.
- Services to place individuals into paid internships, apprenticeships, full-time jobs, or advanced formal training.
- Training development and delivery in languages other than English.
- Marketing and outreach (up to 10% of total NYSERDA funding); and
- Reasonable in-state, necessary travel.

Basic Eligible Criteria

Other costs for which funding may be used, evaluated on a case-by-case basis:

- Work site equipment (e.g., work boots or tool belts) and materials purchased for training, particularly for Category 2 career pathway projects.
- Modest stipends (\$1,000-\$2,500 per person) for trainees from Disadvantaged Communities and Priority Populations.
- Indirect costs, such as training facility or equipment rentals and utilities, provided they are reasonable and commensurate with the scope of the proposed training project.

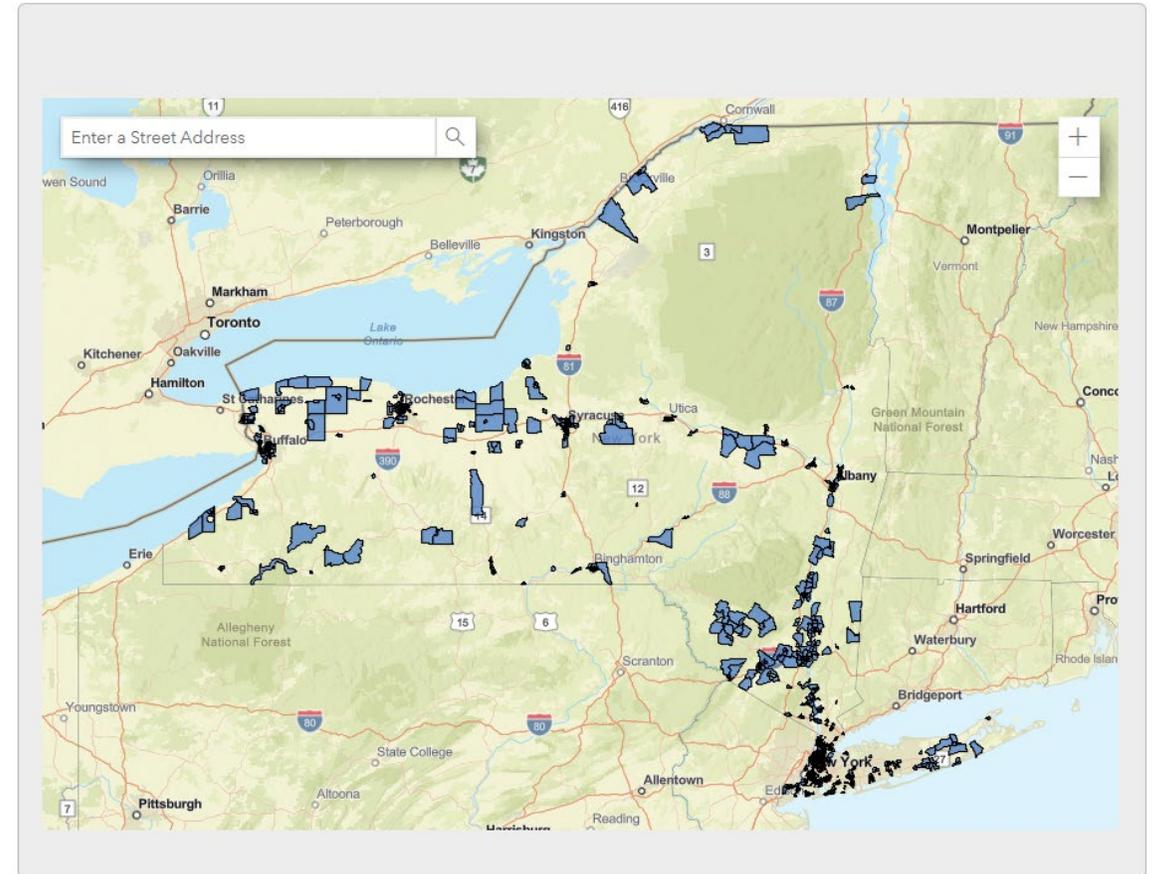
Disadvantaged Communities

Disadvantaged Communities are communities that bear burdens of negative public-health effects, environmental pollution, impacts of climate change, and possess certain socioeconomic criteria, or comprise high concentrations of low- and moderate-income households.

Disadvantaged Communities are identified by:

1. The top 35% of census tracts based on the combined scoring of 45 indicators across socioeconomic, environmental, and climate change concepts.
2. For the purposes of clean energy allocations - low-income households defined as 60% or below SMI are included

Clean Energy Investment Allocation: New York State is required to invest in a minimum of 35%, with a goal of 40%, of the State's clean energy and energy efficiency spending within Disadvantaged Communities.



For more information on the criteria, please visit the [Climate Act website](#)

Priority Populations

- Veterans
- Individuals with disabilities
- Low-income individuals, whose household's total income is below or at 60% of the State Medium Income, or whose household has been determined eligible for or is receiving assistance through the Home Energy Assistance Program (HEAP), Temporary Assistance for Needy Families (TANF), Supplemental Nutrition Assistance Program (SNAP), or other human service benefit programs
- Incumbent or unemployed fossil fuel workers
- Previously incarcerated individuals
- 16- to 24-year-olds who are enrolled in or have completed a comprehensive work preparedness training program such as those offered by Boards of Cooperative Education Services (BOCES), technical high schools, Conservation Corps, YouthBuild, and AmeriCorps
- Homeless individuals
- Single parents

Basic Eligibility Criteria

Key Factors:

- Training funded by NYSERDA **must take place in New York State**.
- Trainees must be residents of New York State.
- Proposals must provide evidence of market need/business demand and have a strong sustainability plan in place to ensure training continues post-NYSERDA funding.

Category 1: Existing Workers and Individuals in Formal Training Programs

- **(NEW!)** Category 1 applicants that conduct training outside of **System Benefit Charge/Clean Energy Fund (SBC/CEF) service territory** must prove that:
- More than 60 percent of trainees either reside, or serve customers, in SBC/CEF service territory, OR
- At least 50% of trainees are members of Disadvantaged Communities or Priority Populations.

Basic Eligibility Criteria

Category 2: Career Pathways for New Workers/New Entrants in Clean Energy

- Career Pathways Projects must include **rigorous and high-quality technical training, workforce preparation activities, and wrap-around services.**
- At least 50% of trainees (individuals who complete training) must fall within eligible categories of Priority Populations and/or individuals residing in Disadvantaged Communities.
- [Industry Partnerships](#) – must include letters of commitment.
- [Outcoming Monitoring](#) – must track outcomes of program graduates for minimum of 12 months after training completion.
- [Placement](#) – At least 80 percent of trainees must be placed into a paid internship, apprenticeship, advanced formal training, or full-time job within 6 months of training completion.

PON 3981: Energy Efficiency and Clean Technology Training

Cost Share Requirements

Standard cost share required	Minimum 30% of total project budget
Projects <u>exclusively</u> serving “Priority Populations” and residents of “Disadvantaged Communities”	Minimum 10% of total project budget
“Qualifying union-led and qualifying pre-apprenticeship programs”	Minimum 10% of total project budget

*Cost share may include cash, in-kind services

Qualifying Union-led and Pre-apprenticeship Programs

Qualifying union-led and pre-apprenticeship programs include projects that:

- Integrate clean energy training into existing New York State registered apprenticeship program(s) or journey worker training,
- Develop a new clean energy apprenticeship program registered with the NYS Department of Labor, or
- Are direct entry pre-apprenticeship workforce training programs recognized by the NYS Department of Labor that incorporate clean energy content.

Submitting an Application

Concept Papers (3 pages max)

- Required as the first step in the application process.
- May be submitted on a rolling basis until November 18, 2025.

Full Proposals (by invitation only)

- Accepted in funding rounds with the following due dates:

Round 19 – July 13, 2023

Round 20 – September 14, 2023

Round 21 – November 16, 2023

Round 22 – January 17, 2024

Round 23 – March 18, 2024

Round 24 – May 17, 2024

Round 25 – July 17, 2024

Round 26 – September 18, 2024

Round 27 – November 18, 2024

Round 28 – January 17, 2025

Round 29 – March 19, 2025

Round 30 – May 16, 2025

Round 31 – July 16, 2025

Round 32 – September 17, 2025

Round 33 – November 18, 2025

Non-Traditional Employment for Women: Green Collar Prep



Nontraditional Employment for Women (NEW) prepares, trains, and places women in careers in the skilled construction, utility, and maintenance trades, helping women achieve economic independence and a secure future for themselves and their families. At the same time, NEW provides a pipeline of qualified workers to the industries that build, move, power, green, and maintain New York.



- [Curriculum](#): Environmental literacy, sustainability, efficiency, construction
- [Activities](#): Hands-on skills training, soft skills workshops, physical conditioning, mentoring/networking with SMEs, site tours, certifications + job/apprenticeship placement support
- [Partners](#): Con Edison, National Grid and PSEG, Cushman & Wakefield, the Metropolitan Transit Authority (MTA), the City of New York's Department of Environmental Protection, and 30+ registered apprenticeship programs

84

Individuals Trained,
incl. 79 PPs

62

Interviews
Facilitated to Date

8

Paid Internships
Secured

30

Apprenticeship
Placements
Achieved

9

Full-time Job
Placements
Secured

Youth Action Program and Homes: Building Operators Training Program



Youth Action Programs and Homes, Inc. is creating a Building Operators Training Program (BOTP) to prepare 30 youth in Upper Manhattan and the South Bronx for entry-level jobs with local multi-family building operators and small businesses.

- **Partners:** CUNY Building Performance Lab (BPL) & Association for Energy Affordability
- **Training:** 72 hours of classroom and hands-on learning, culminating in a certificate of completion along with an 6-8-week internship in various building sites. Opportunities to further training at AEA to achieve Energy Efficiency Building Operations Specialist (EEBOPS) certification.
- **Wrap-around Services:** Professional development programming, worksite coaching, case management, job placement as well as education assistance.



31 NYC Youth Trained (including 100% PPs)	22 Paid Internships Secured	2 Full-time Job Placements Achieved	2 Individuals Placed Into Advanced Formal Training
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*Based on final report data through Q1 2023

University at Buffalo: Community Climate Leadership Project



University at Buffalo is developing a cooperative program to provide training on Passive House, residential weatherization and commercial building audits to graduates of UB's School of Architecture Planning as well as individuals from historically marginalized communities.

- [Training](#): 360 contact hours of energy efficiency and clean technology training to 30 matriculated graduate students followed by a 6-week 180-hour training to 15 residents of Western NY environmental justice areas.
- [Courses](#): Technical Methods Seminar, Community Design Service, Graduate Studio, Intellectual Domain Seminar

30

Graduate Students to
be Trained

15

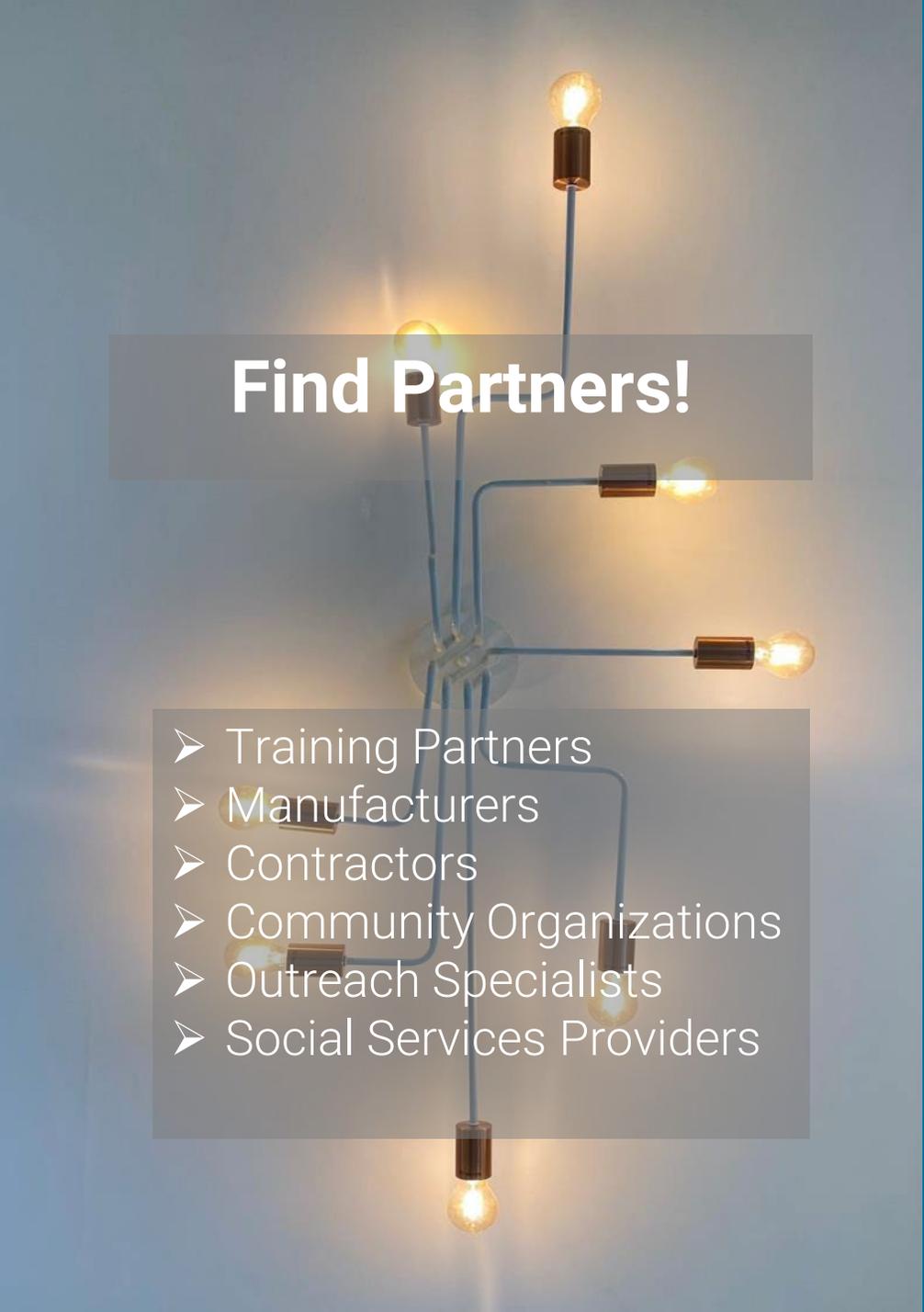
Individuals from
DACs to be Trained

12

Job, Apprenticeship,
and Internship
Placements
Targeted

- [Partners](#): People United for Sustainable Housing (PUSH) Buffalo
- [Target Audience](#): UB Architecture graduate students, PUSH Buffalo trainees (individuals from DACs/PPs)

*Based on report data through Q4 2022



Find Partners!

- Training Partners
- Manufacturers
- Contractors
- Community Organizations
- Outreach Specialists
- Social Services Providers

NYSERDA is hosting an online “Partner Connector” site

This site allows interested parties to share their contact information with others seeking to collaborate on the funding opportunity.

Participants are granted log-in access to the Partner Connector and may use the information on the site to contact potential partners and explore collaboration on clean energy training projects.

NYSERDA will not engage in matchmaking or other activities to influence the preparation of applications.



Register Today!

Complementary Funding Opportunities

	PON 3982 On-the-Job Training	PON 4000 Clean Energy Internships	PON 4772 Climate Justice Fellowship
Goal	Provides wage subsidies to clean energy businesses to hire and train workers on the job, enabling them to quickly ramp up to full productivity.	Provides funding to clean energy businesses, organizations, and local municipalities to hire interns for the clean energy sector.	Funds year-long fellowships to residents of DACs while building the capacity of local organizations to advance climate justice directly in their communities.
Eligible Applicants	Businesses must provide services in one or more eligible clean energy technology area	<u>Businesses:</u> Contractors, Developers, Manufacturers; Municipalities, Counties; Not-for-Profits, Direct-entry Pre-apprenticeship Programs <u>Interns:</u> Current college students, recent graduates, DACs or PPs	<u>Businesses:</u> NYS CBOs, universities, municipalities, climate tech investors/start-ups, venture dev orgs, clean energy businesses, firms dedicated to advancing climate justice and clean energy in DACs <u>Fellows:</u> New hires who reside in a PP
Funding/Wage Reimbursement	50%-75% wage reimbursement up to \$24/hr for 4-6 months of a new hire's training period (\$23K max)	Reimbursement for wages up to \$17/hr; 75-90% of intern wages covered based on company size (\$7,300 max for 480 hours)	\$40,000 for 12-months, including wages, comprehensive benefits, and professional development through Columbia University's Climate School



Thank You!

Still Have Questions?

Email us at wfinfo@nyserderda.ny.gov



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