



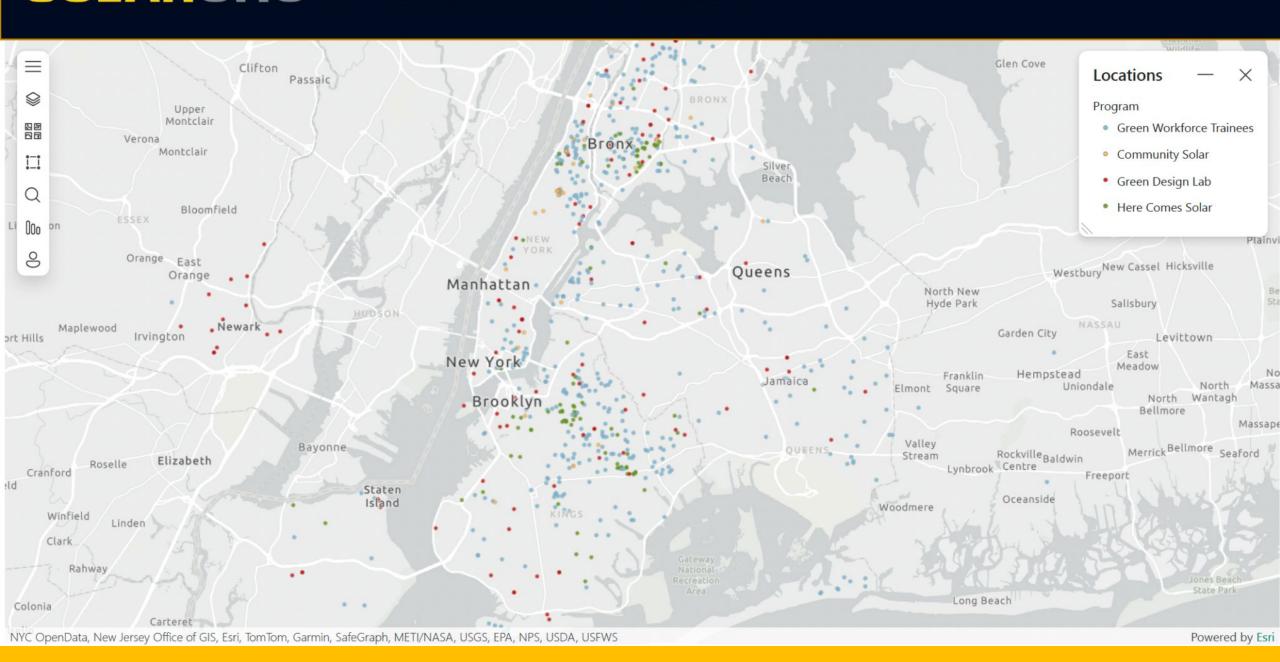
NEW YORK CITY'S ENVIRONMENTAL EDUCATION NON-PROFIT

Solar One fosters sustainable practices and environmental equity across New York City through K-12 environmental education, green workforce training, solar installation technical assistance, and eco-park stewardship.





SOLARONE PROJECT SITES 2024





LETTER FROM OUR CEO

Dear Friends,

I am excited to share with you the tremendous progress we made at Solar One in 2024. From expanding our offerings across New York City to deliver programs to more K-12 students through our Green Design Lab, to cultivating new and dynamic partnerships through our Green Workforce, Community Engagement Job Placement, and Clean Energy programs, to advancing the reach and mission of affordable solar power through our Here Comes Solar program, Solar One continues to demonstrate why it is so well regarded as one of the most effective environmental nonprofits in New York City and our region.

In addition, 2024 marked our 20th anniversary and saw us fully reopen Stuyvesant Cove Park, where our story began, as part of the East Side Coastal Resiliency Project, and the construction of the Solar One Environmental Education Center–two decades in the making. The Center, which is built with sustainably sourced material and is the first ground–up solar+storage building in New York City, will open in mid–2025 and will house two classrooms to host students from around New York City and beyond, as well as our Green Design Lab and Park staff. We are thrilled to add the Center to Solar One's core programming and establish it as one of the premier environmental education facilities in the country.

Despite the myriad challenges we face from climate change to political and social instability, we continue to anchor our work in the hope that our generation and future generations will rise to the occasion. It is our mission to ensure they have the knowledge and tools needed to reduce our carbon footprint, green our city, and make our world sustainable and liveable for years to come.

We thank you for your support and know that collectively we can build a brighter future.

Sincerely,





OUR STORY

Solar One was founded in 2004 by community demand to manage Stuyvesant Cove Park, a community- oriented green space and small education center. It is now the "go-to" environmental education nonprofit in New York City, with the mission to bring the benefits of the growing clean energy economy, sustainability, and climate resilience to underserved urban communities, most affected by environmental injustice and climate change. Solar One address these inequities and tangibly improve lives by:

- Innovating award-winning environmental and community education programs that prepare NYC youth, the majority of whom are living at or below the poverty line, for the jobs of the future and inspire them to be environmental stewards;
- Providing skills and career path opportunities for low-income people with barriers to stable, livable wage jobs; advance solar installations;
- Offering energy efficiency technical assistance, helping energy burdened households lower their bills;
- Sharing experiential urban park programming with thousands of participants; and
- Expanding our programming and reach with the Solar One Environmental Education Center, the first building of its kind in Manhattan, to open mid-2025.















CORE PROGRAM RESULTS (CUMULATIVE: 2004-2024)



Green Design Lab Since 2009

- 50,000+ Students
- 10,000+ Students
- 95 Student Interns (since 2022)



Community Engagement Job Placement (since December 2022)

258 Individuals Placed in Jobs



Green Workforce Training Since 2009

- 6000+ Students Trained
- 10.000+ Certificates Earned



Here Comes Solar Since 2016

- Technical Assistance provided to 4,071 Buildings
- 1095 Solar Buildings Facilitated
- 42 MW Solar Facilitated Since 2016
- 617 Solar Projects Installed





2024 PROGRAM HIGHLIGHTS

- After nearly twenty years in the making and five building designs to respond to coastal flooding risks, the S1EEC project achieved the milestone of full capital funding for building construction in 2023 and is slated to open in September 2025. Solar One celebrated the launch of construction in September 2023 with a groundbreaking, to which we were pleased to invite all project partners who helped make the project a reality.
- We celebrated our 20th anniversary in October 2024 with a gala and awards ceremony. We honored: Solar One Founding Executive Director, Chris Collins (received the Environmental Stewardship Award); Gilbane Building Company (received the Sustainability Achievement Award); and Inclusive Prosperity Capital (received the Renewable Leadership Award), as well as our Youth Advisory Council (received the 2024 Climate Changemakers Award).
- Solar One's CEO, Steve Levin, was selected as a City & State Trailblazer in Clean Energy, an inaugural program that puts a spotlight on a cross-section of leaders at the forefront of the clean energy transition.
- Shakira Hart, Green Workforce's Senior Director of Community Engagement, was selected to be one of City & State's 2024 Responsible 100, a select group of individuals who exemplify what it means to be socially responsible whether it's through community engagement and volunteerism, diversity, equity and inclusion, ethics and transparency, or philanthropy and charity.
- We completed our two-year funded National Oceanic Atmospheric Administration (NOAA) Climate Literacy Programming in Newark, NJ to address the needs of this highly vulnerable area at risk of severe environmental hazards.
- As leaders in the field of sustainability education, our Solar One GDL team has been tasked with developing a new decarbonization/
 HVAC curriculum in partnership with NYC Public Schools.



IMPACT HIGHLIGHTS

For 20 years, Solar One has been a crucial part of the clean energy infrastructure of the New York region.



Facilitated the installation of over 35 MW of new solar capacity in the New York region, and enrolled over 500 low- and moderate-income New Yorkers as subscribers to Community Power projects.

These solar projects will offset an estimated 191,781 metric tons of CO2 and greenhouse gases over 25 years.



Trained thousands of adults in green building operations and maintenance, and solar PV installation, as well as nationally-recognized certification courses.

Working with our partners, we have tracked job placement and on average each year our trainees realize a 70% placement rate.



Taught thousands of students about climate change, sustainability, and environmental

sustainability, and environmental stewardship while also keeping teachers up to date on the latest developments in clean energy and climate change mitigation.

We also place students in paid summer internships to jump-start their careers in the clean energy sector.



Maintained public access to Stuyvesant Cove Park

throughout the construction of coastal flood protection as part of the East Side Coastal Resiliency Project.

Launched construction of the Solar One Environmental Education Center, opening in Autumn 2025.



1 Stuyvesant Cove Park

Through management of **Stuyvesant Cove Park**, an urban green space between 18th and 23rd Streets on the East River in Manhattan, Solar One provides opportunity for all New Yorkers to enjoy the waterfront open space and participate in programs that increase environmental literacy, agency and competency with issues of climate crisis and adaptation.

Environmental Education Center

The Solar One Environmental Education Center operates as an interactive learning center, an innovative events venue, and will be a model of resilience for hurricanes, storm surges, and other emergency conditions. Constructed in partnership with NYC's Economic Development Corporation, the target open date is autumn 2025.



communities to build an inclusive energy

transition.

3 Green D	Green Design Lab		(23-24 School Year Data)	
	tion programs that provide public dents and teachers with a STEM	7,398	Students Taught	
curriculum	and hands-on activities, educating wable energy, climate change, and	617	Teachers Trained	
environme	ntal equity. Our team also offers green technical training (CTE), as well as	98	Schools	
	opportunities through our Youth ouncil for high school students.	42	Student Internships	

Technical assistance and education for affordable housing and low-income communities to make the benefits of solar accessible to all and achieve a just, renewable, and resilient energy future. The program collaborates with local NYC Technical Assistance Solar Buildings Facilitated 117

for 5,176 Households



5 Green Workforce Training

(2024 Data)

Hard-skills and theory training in the trades for under- and un-employed adults with the goal of preparing them for the green economy. GWF partners with other nonprofits (e.g. the HOPE program) in order to provide personalized education based on each community's needs. Our students earn their certifications in the solar, electric, building operations & maintenance, and HVAC industries.

566 Total Students
Trained

1,836 Certificates Awarded

6 Community Engagement

(2024 Data)

Supporting Green Workforce trainees, guided job placements and employment services that bridge the gap between training and career opportunities in the clean energy industry. After students have finished the GWF program and received their certifications, CE provides career coaching, resume assistance, career fair and expo events, employer engagement, and the S1 Alumni Network.

6 Job Placements





7 Clean Energy Communities

The Clean Energy Communities (CEC) program is funded by the New York State Research and Development Authority (NYSERDA). The CEC program provides grants, direct technical support to communities, and recognition to local governments across New York State that demonstrate leadership in the area of clean energy. Solar One is NYSERDA's implementation partner for CEC in New York City and Long Island.

Bronx & Brooklyn Clean Energy Hub

The Clean Energy Hub helps New Yorkers, especially those in underserved communities, make informed energy decisions. The hub provides technical assistance to owners and residents of single-family homes, multifamily buildings, small business owners, and Non-Profit organizations. It also offers incentives, tax credits, and financing options, and helps job seekers find clean energy training and employment.



BRONX & BROOKLYN ENERGY HUB CONNECTING YOU TO A CLEAN ENERGY EUTLIBE



OUR CURRENT MISSION: EXPAND & DEEPEN SERVICE TO OUR COMMUNITY



Refresh Green Design Lab K-12 curriculum and provide professional development and co-teaching support for teachers, including supplies and materials for hands-on classroom activities

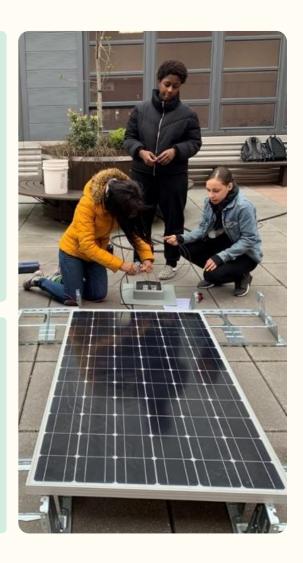
Enhance career readiness programs for high school youth, including paid internship placements

Annual program budget: \$1.6m



Scale-up Here Comes Solar technical assistance support for community groups, building owners and housing agencies, providing pre-development services for rooftop solar projects in low- to moderate-income communities

Annual program budget: \$2.3m





Expand Green Workforce training curriculum and course offerings, developing stronger pathways to employment for our trainees

Support Solar One's Workforce Training Center in Long Island City, Queens, including new supplies and equipment for the workshop and classrooms.

Annual program budget: \$2.5m



General Operating Support provides for fiscal and operating management to keep the organization running; professional development training; IT needs and office equipment; and visibility-building communications

Annual budget: \$1.5m





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Shinn Yang
Managing Director of
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Dina Elkan

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Candace Thompson
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OUR STAFF

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Matthew Dean

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Gary Smith

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Joshua Vedder

Senior Instructor & IT Analyst

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