



**SOLAR ENERGY  
INTERNATIONAL**



**2024  
ANNUAL REPORT**

## To our global network of students, alumni, friends and supporters:

The Executive Leadership Team is excited to share SEI's incredible progress in 2024, made possible by your steadfast support. Since 1991, SEI has led the charge in training the clean energy workforce, expanding our reach through meaningful partnerships and innovative programs that advance inclusivity and technical excellence.

In 2024, SEI's curriculum team developed an entry-level technician training program through a Department of Energy grant-funded partnership with Amicus O&M. This program aligns with SEIA's O&M training standards, addressing the growing demand for skilled professionals and equipping students to support large-scale solar PV systems worldwide.

We strengthened our collaboration with IREC to advance the Solar Ready Veterans initiative, achieving Department of Defense SkillBridge program approval. This milestone connects transitioning service members with high-quality solar training, helping them build meaningful careers while contributing to a more diverse workforce. Additionally, our Empowerment Scholarship Program had a record-breaking year, extending critical support to women, Native Americans, veterans, and other underrepresented groups.

SEI remains focused on expanding curriculum and training programs for utility-scale solar PV deployments, including specialized O&M training. These efforts ensure our graduates are well-equipped to meet the technical and operational demands of the global renewable energy industry. Whether you're a longtime supporter or new to our mission, the time to act is now.

As we look to 2025 and beyond, the need for SEI's work has never been greater. While tuition, curriculum licensing, and contract training provide vital resources, they alone cannot sustain rapidly expanding workforce development needs. With your support, SEI will continue leading solar industry workforce development, technical training, and community empowerment, delivering on renewable energy's economic and environmental promises for all.



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# 2024 MILESTONES

## Overview

At Solar Energy International, we train the global solar energy workforce to promote sustainable economic growth, mitigate climate change, and support energy independence. We're working towards an ambitious goal: train 35% of the global workforce by 2050, preparing 272,500 individuals for solar jobs by 2025.



**105,000+**  
Alumni Worldwide



**10,445**  
Student Enrollments



**110**  
Courses Offered

# EDUCATE

**9,947**

Online Individual Student Enrollments

**179**

In-person individual Student Enrollments

**19**

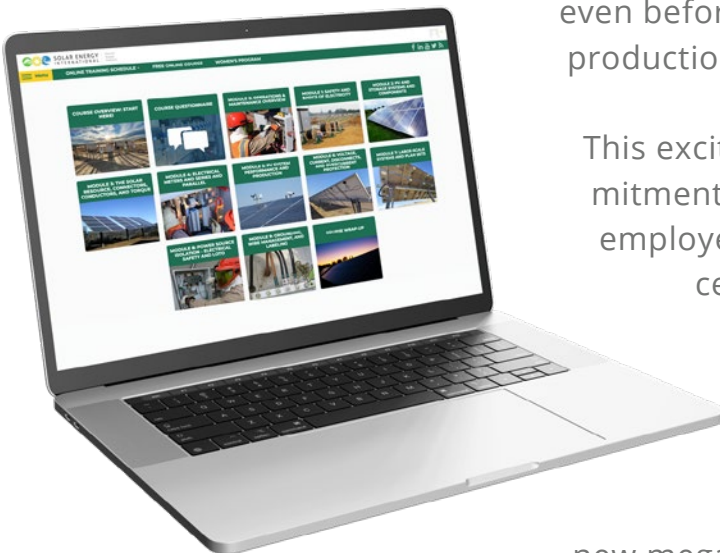
Spanish courses, serving 1,625 Students

## ✱ Introduction to O&M for Large-scale PV Systems

***Meeting the urgent industry need for utility and megawatt scale training.***

To meet the urgent industry demand, in 2024 SEI launched additional education aimed towards entry-level installers and technicians. These field-based positions focus on megawatt and utility-scale solar installations, which represent the highest need areas in solar hiring.

The launch of the new course: INTRODUCTION TO O&M FOR LARGE-SCALE PV SYSTEMS, provides training managers with a flexible training resources to ensure entry-level O&M technicians are job-ready from day one, even before they step onto an active large-scale solar production site.



This exciting course launch exemplifies SEI's commitment to High Road Partnerships, that involve employers at the beginning of the training process, rather than at the end. This ensures new hires and candidates receive industry-aligned training with commitment from employers, employees, and the training provider from the start. This model is being deployed in the new megawatt and utility-scale curriculum to be launched in 2025, 2026 and beyond!

Thanks to our sponsor for their generous support:



## Spanish Program

***Expanding the reach of clean energy education in the U.S. and globally through Hispanic and Latin American Programs.***

This year, SEI proudly trained over 1,675 Spanish-speaking students and launched three new courses in Spanish, including “Introduction to O&M for Large Scale Systems”, designed to meet the growing demand for O&M technicians. This course will equip Spanish-speaking professionals with essential skills for better job opportunities both locally and internationally, while fostering safe practices in Latin American businesses.

To maintain our position as a leading provider of industry-focused solar education, the Spanish Program has renewed and expanded partnerships with solar and professional associations in Puerto Rico, Costa Rica, and Colombia. Beyond individual learners, 46 businesses from the US and Latin America have turned to SEI’s Spanish training programs this year to enhance their teams’ expertise. Our curriculum licensing program, in partnership with Bosque Modelo of Puerto Rico, continues to empower women in rural areas, providing pathways to new job opportunities and economic independence.

Our mission is to make solar training accessible to a broader audience by developing curriculum in native languages and securing funding for all communities. Additionally, we awarded 36 scholarships worth over \$27,000 to Spanish speaking students from 12 countries, reinforcing our commitment to making solar education more inclusive and accessible.



*“{SEI’s Spanish-language training is}... essential to continue working in my community and remote and rural areas of our region, installing solar energy for homes and for vital water needs, and to my professional training with a view to establishing a micro-enterprise to continue helping our communities with access to renewable energy.”*

**–Jose Alfredo Mendoza Rodriguez | Riohacha, Colombia**

## ❖ Middle East & Asia Programs

***Furthering our global mission in local communities from Bhutan to Oman.***

In 2024, Solar Energy International continued its global mission through impactful international training programs, including 75 students trained. In Bhutan, SEI continued its partnership with the World Wildlife Foundation Bhutan to train top engineers in solar electric system design and installation. Working alongside the Department of Energy, universities, and private sector partners, SEI is helping to build national capacity for solar energy.

In Oman, SEI continued its long-term collaboration with Petroleum Development Oman, delivering in-person training in solar system design and operation for the company's leading engineers. These programs exemplify SEI's commitment to empowering energy professionals and accelerating the global shift to clean power.



# ENGAGE

**616**

Students trained through Engage & contract trainings

**650**

Companies provided employer-sponsored training, including 8 Engage and 5 international contract trainings

## Contract Training

### ***Growing the impact of solar through community collaboration.***

In 2024, 584 students were served through contract trainings, and 8 higher education institutions licensed SEI's curriculum. SEI's commitment to partnership with other organizations around the world leads our contract training efforts, as our talented staff and instructors tailor curriculum and courses for the unique needs of other organizations.

We provided local governments, community-based organizations and employers across the globe with specialized training. Partners include East New York Restoration Local Development Corporation (ENYRLDC), a nonprofit organization based in Brooklyn, New York, dedicated to revitalizing the East New York community through economic development and community engagement. ENYRLDC has supported the installation of solar panels on over 200 homes in East New York, contributing to both energy sustainability and job creation in the community. In 2024, they signed ongoing curriculum licensing agreements with SEI to further their mission.

Other partners include the City of Burbank, California, Bevill State Community College in Alabama, the US Fish and Wildlife Service, Appalachian State University, Cross Purpose, whose mission is to lift people and families out of poverty with workforce and life skills training, and Coalfield Development, an organization leading the way in rebuilding the Appalachian economy from the ground up.



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## ❖ Solar in the Schools

### ***Preparing K-12 students for the jobs of tomorrow.***

In 2024, Solar in the Schools delivered 14 in-person special education events and presentations at schools. In-classroom instruction and hands-on solar energy activities reached 328 Elementary Students, 16 Middle School Students, and 259 High School Students.

SIS delivered our Solar in High Schools Career Pathways Program to two of five high schools in the Delta-Montrose Electric Association (DMEA) service area. During the spring of 2024 SIS provided two immersive one-day introductory trainings and mini labs for students and teachers at Montrose and Olathe High Schools. SIS also partnered with the Colorado Solar and Storage Association (COSSA) Institute to deliver a 4-day in-person PV101 solar design and install training to high school students from EPIC-Littleton High School. The solar training, funded by Denver's Office of Climate Action, Sustainability & Resiliency (CASR), will be integrating PV101 training with hands-on labs, demonstrations and installation activities with the on-site installer (Circuitus Energy Systems).

Furthering Solar in the School's mission to encourage young people to pursue careers in solar, two SEI courses were added to the Colorado Department of Education's (CDE) Career Development Incentive Program, which provides financial incentives for schools that encourage high school students to complete qualified industry credential programs.

# EMPOWER

**228**

Total Scholarships  
Awarded

**\$90K**

Total Scholarship Funds  
Distributed

**36**

Different Countries  
Represented

## ✦ International Scholarships

**Total Students: 34 | Countries Represented: 36**

SEI's International Scholarship program provides tuition coverage and travel and lodging stipends, allowing students from around the world to access both our online training and attend in-person labs at the SEI facility in Paonia, Colorado. International students use their SEI training to tackle the energy needs of diverse communities, and in 2024 students from 36 different countries were able to complete SEI training thanks to scholarship support.

*"I am convinced that each person who lives on the planet can be a factor in generating well-being and development. That is why I strive every day to learn and contribute to generating value in my environment. At this moment I am determined to work in an area where I can integrate all my skills and abilities, fulfilling the purpose of building a better world. That is why I plan to dedicate myself to the renewable energy industry."* –**César González | Caracas, Venezuela**



Thanks to the Abe Littenberg Foundation for their leading support of our International Scholarship program!

## ❖ Women In Solar Power Program

**Total Students: 349 | Countries Represented: 20**

This year, the Women in Solar Power Program celebrated significant achievements in empowering women across the globe to thrive in the renewable energy sector.

In 2024, the Women in Solar Power program trained 349 individuals worldwide, awarding scholarships to women from 20 different countries, and partnered with other organizations, including the Women in Energy Network, to offer unique webinars, resources and education. The Women in Solar Power program also strengthened networks and career support: with an online platform and WhatsApp group, we connected over 1,304 women, offering career resources, mentorship, and a vibrant community to support their professional journeys.

Thanks to generous sponsorship by Sungrow Americas, the 2024 Women's Lab Week was an enormous success, welcoming women from 15 countries to SEI's Paonia, Colorado Lab Yard. Led by female solar experts and instructors, Women's Lab Week participants gained hands-on experience, creating a unique environment for learning, connection, and collaboration.



*“My ultimate goal is to leave a lasting legacy in the solar industry, inspiring others to follow their passions and contribute to a more sustainable future. I am confident that with the support of the Solar Energy International scholarship, I can achieve my goals and make a meaningful impact in the field of solar energy.”*

**–Pankti Patel | Ontario, Canada**



*“My goal is to contribute to the widespread adoption and utilization of solar energy as a sustainable and renewable source of power. I believe that investing in solar energy is not only beneficial for the environment, but also for the economy and for individual households. As such, I aim to educate and raise awareness about the benefits and potential of solar energy, both on a local and global scale.”*

**–Jeanne James | Pulaski TN**

These achievements would not have been possible without the generous support of our sponsors. Their commitment has empowered women worldwide and transformed lives.



## ✦ Active-Duty Military and Veterans Programs

### **Total Students: 28**

In 2024, SEI's Veterans program made major strides in supporting transitioning service members and Veterans through technical training and career development in the renewable energy sector. Powered by funding from the Blackstone Gives Back Challenge, Solar Energy International provided 36 scholarships that enabled participation in the Department of Defense's SkillBridge program and supported general training outside of SkillBridge.

The initiative, through the Solar Ready Vets (SRV) Network, connected Veterans with hands-on training opportunities, notably partnering with AimHigh Solar to implement a structured training model based on SEI's curriculum. SEI's flexible scholarship offerings ensured that Veterans could access industry certifications like NABCEP and transition directly into solar careers. The program's success has laid the groundwork for expanded outreach and sustainable veteran training pathways in the growing clean energy workforce.



*"SEI awarding me a scholarship and my obtaining of the NABCEP PV Professional Certification is the first chapter to my future goals. The scholarship sets in motion my career goals of continuing to learn and being more competitive in the job market. I will also pursue incorporating my military career with my solar background. I want to pass down my solar knowledge. Solar installation, and fundamentals of PV systems is a life skill I can pass down to my children."*

**-Gregory Goggins | Brooklyn, NY**

## Tribal Program

### **Total Students: 16**

SEI's Native American programs provide scholarships to students from Tribal communities, broadening access to renewable energy workforce development for individuals, Tribal entities, and Native-led community-based organizations. SEI also offers discounted curriculum licensing to Tribal universities and technical colleges, including Diné College.

In 2024 SEI worked with Navajo-Nation based CBO Purpose Focused to provide training to Diné students from multiple communities, collaboratively working to expand solar career options and energy sovereignty in alignment with Purpose Focused's mission. SEI has set a goal to expand this programming and has begun laying the groundwork to expand instructor-training options to support Native managed education programs. Thanks to generous funding from both REC Group LLC and Invest in Our Future, a fiscally sponsored project of RF Catalytic Capital, SEI's Native American programs are set to expand in 2025.

*"My upbringing is on the Navajo Reservation...raised by a single mother who instilled in me and my sister the importance of clean energy at a young age. So growing up I knew that my Indigenous culture and teachings align with renewable energy. My goal now is to learn as much as I can on the online courses from SEI and from other local solar warriors on the ground. By the end of the installer certification courses I want to expand my knowledge in teaching solar installation...[and] promote more solar installations to bring education, sustainable energy, and grow a workforce on the reservation to help power the services."*

**–Cooper Curly | Mesa Arizona**



# FINANCIALS

The current state of support and funding

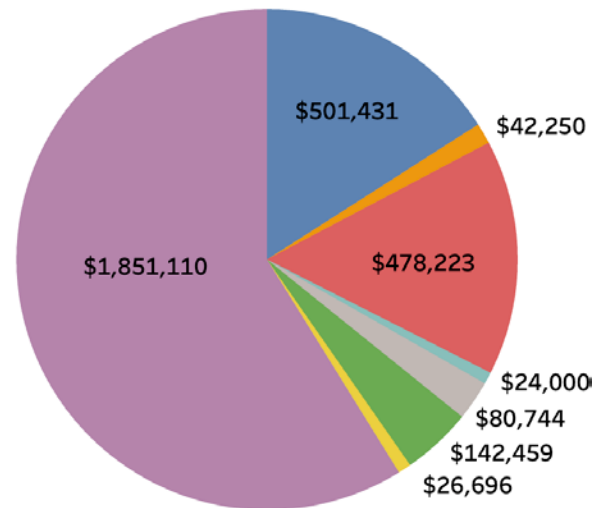
## Income

● Tuition	\$1,851,110
● Contract Revenue	\$501,431
● Donations & Sponsorships	\$478,223
● Other Income	\$26,696
● Merchandise	\$142,459
● Grants - Other	\$24,000
● Grants - Government	\$80,744
● Curriculum Licensing	\$42,250

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**Total Income** **\$3,146,913**

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## Expense

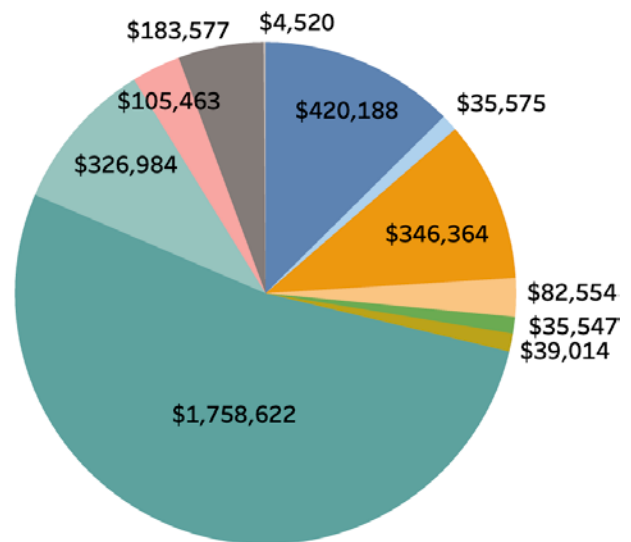
● Operations	\$1,758,622
● Employer & Industry Engagement	\$420,188
● Instructors	\$346,364
● Professional Fees	\$326,984
● Training/Curriculum	\$105,463
● Travel	\$183,577
● Insurance	\$82,554
● Cost of Sales	\$35,575
● Mailing & Printing	\$35,547
● Occupancy	\$39,014
● Vehicle/Equipment	\$4,520

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**Total Expense** **\$3,338,408**

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**Net Income** **-\$191,495**



# Thanks to our 2024 Donors

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Abe Littenberg Foundation  
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