



Willdan Clean Energy Academy [WCEA]

Impact Report



2021 - Cohort#5 | OVERALL - Cohort #11

September 2021 - November 2021

Program Overview

Summary:

Project Director: Antuan Cannon
Email Address: acannon@willdan.com
Funding Source: NYSERDA PON 3981
Contract Number: 155503
Purchase Order Number: 158738

Course Name: Small Commercial Energy Efficiency Analyst [SCEEA] – Thermal Systems
Course Dates: 09/27/2021 – 10/30/2021
Program Website: www.cleanenergyacademy.org
Cohort #: Thermal Systems Cohort #5 | Overall Cohort #11

The Willdan Clean Energy Academy (WCEA) led by Willdan Energy Solutions and supported by NYSERDA PON 3981 funding, successfully completed the 5th Cohort of 2021 – the 11th Cohort overall, in the history of our Academy. For this round of funding our program is focusing on delivering our Small Commercial Energy Efficiency Analyst [SCEEA] – Thermal Systems training course, which includes training on the Building Envelope, Heating Systems and Domestic Hot Water Systems.

Delivery:

- **Delivery Method:** Online virtual Classroom
- **Delivery Platform:** Zoom
- **Course Duration:** 60 Hours + Exam
- **Delivery Format:** “Nights & Weekends”
Monday & Wednesday evenings, for 3 hours per evening [from 6:00pm - 9:00pm] and Saturdays for 6 hours [from 10:00am – 5:00pm, with 1 hour for lunch]
- **Course Duration:** 5 Weeks
- **Course Dates:**
Classes: Mon [09/27/21] – Monday [11/01/21]
Final Exam: Wednesday [11/03/2021]
Graduation: Friday [11/05/2021]

The curriculum consisted of the following lessons:

- **Green Economy**
 - Policies: GGBL, CMA, REV, NENY, CEF
 - Incentives: SMB, C&I, TDM, CHP, P4P
 - Standards: ASHRAE, NYCECC, NYS TRM
- **Core System #1:** Building Envelope
- **Core System #2:** Heating Systems
- **Core System #3:** Domestic Hot Water Systems
- **Software:** Energy Modeling Overview
 - Net Energy Optimizer [NEO]
 - ConEdison SMB Program Prescriptive Tool
 - ConEdison SMB Program Custom Tool

Staff:

Management Team:

- **Project Director:** Antuan Cannon [WLE]
- **Project Sponsor:** Joe Daniele [WLE]
- **Outreach Specialist:** Gerard Mondesir [WLE]
- **Project Manager:** Kata Maitrechit [WLE]
- **Program Manager:** Ben Altman [EEDC]
- **Program Coordinator:** Denise Sonnenberg [EEDC]
- **Career Specialist:** Cristina Pastrana [EEDC]
- **Program Manager:** Dwayne Norris [SS]
- **Program Coordinator:** Andrea Caya [SS]

Instruction & Delivery Team:

- **Lead Instructor:** Clayton Gregory [GTL]
- **Training Assistant:** Keith Ford [GTL]
- **Instructor:** Gary Smith [GTL]
- **Tech Support:** Omar Duran [LIFE3]
- **Tech Support:** Katherine Fernandez [LIFE3]
- **Academic Advisor:** Ehsan Kamel [NYIT]
- **Experiential Education:** Amy Bravo [NYIT]
- **Outreach Coordinator:** Alejandro Alvarez [SS]
- **Career Specialist:** Lily Mosely [SS]

Recruitment & Enrollment:

The 38 candidates were selected to participate in this online training program out of 169 applications received and 42 interviews completed.

Total # of Applicants: 169 Applicants

Total # of Interviews: 42 Interviews
Interview Rate: 24.85%

Total # of Candidates Selected: 38 Candidates

- *Acceptance Rate: 22.49% [Overall]*
- *Acceptance Rate: 90.48% [Interviewees]*

The candidates that participated came from a variety of backgrounds and professional experiences including students from priority populations across NYS. We received student referrals from New York Institute of Technology, Harlem Business Alliance, NYC Human Resources Administration, Green City Force and more. These students have a familiarity with clean energy, but more importantly a passion for the subject matter and a willingness to learn more, work hard, and commit to the training process.



WILLDAN CLEAN ENERGY ACADEMY
 ANY QUESTIONS?
 Dwayne R. Morris (917) 890-7157
 Director of Outreach & Recruitment
 CEA@southalsenergy.org

APPLY AT CLEAN ENERGY ACADEMY
 LIVE VIRTUAL CLASSROOM
 MONDAY, SEPTEMBER 27, 2021
 6:00PM - 9:00PM
 Monday & Wednesday Nights
 10:00AM - 5:00 PM Saturdays
 VISIT US AT
 CLEANENERGYACADEMY.ORG

PROGRAM OVERVIEW
 This is a free 60 hour energy efficiency technical training, combined with an Online Dynamic Learning Management System delivery method. The program focuses on energy efficiency, outreach, education and implementation assistance initiatives for small commercial properties.

LEARN

- Real-world application of sustainability policies & standards
- Use of software tools and energy audit processes

BUILD YOUR PORTFOLIO

- Create energy audit reports and analysis
- Prepare for industry recognized certifications

PROFESSIONAL DEVELOPMENT

- Resume writing and cover letter writing support services
- Internship and job placement assistance services

This program is open to everyone, regardless of age or background. To be considered for participation in this program, please apply using the following link: <https://willdan.com/willdan>. Applicants will undergo interviews, evaluations and a screening/selection process.

BROUGHT TO YOU BY: NEW YORK STATE (NYSERDA), WILLDAN

IMPLEMENTED BY: NEW YORK INSTITUTE OF TECHNOLOGY, L.E.A. DeTs

POWERED BY: WINWIN

EMPLOYER PARTNERS: 2018 Green Light Technology Application Provider, ERIEWORKS, CIB International Energy Conservation & Supply, South Energy Group, IES, Tech, Spring Bank

Training Delivery:

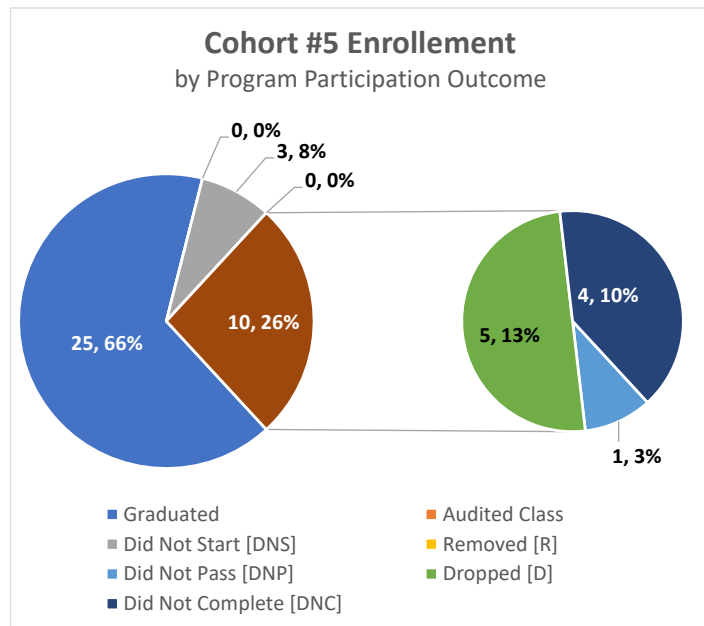
Total # of Candidates Selected: 38 Participants
Did Not Start: 3 [7.9% ~ DNS Rate]
Enrolled: 35 [92.1% ~ Enrollment Rate]

Selected Candidates that Enrolled: 35 Participant
Dropped: 5 [14.3% ~ Drop Rate]
Did Not Complete: 4 [11.4% ~ DNC Rate]
Completed: 26 [74.3% ~ Completion Rate]

Enrolled Participants that Completed: 26 Participant
Did Not Pass: 1 [2.9% ~ DNP Rate]
Graduated: 25 [71.4% ~ Passing Rate]

SUMMARY:

Candidates Selected: 38
Candidates Enrolled: 35
Participants Completed: 26
Participants Graduates: 25
Passing Rate: 71.4% [of Enrolled Participants]
65.8% [of Candidates Selected]



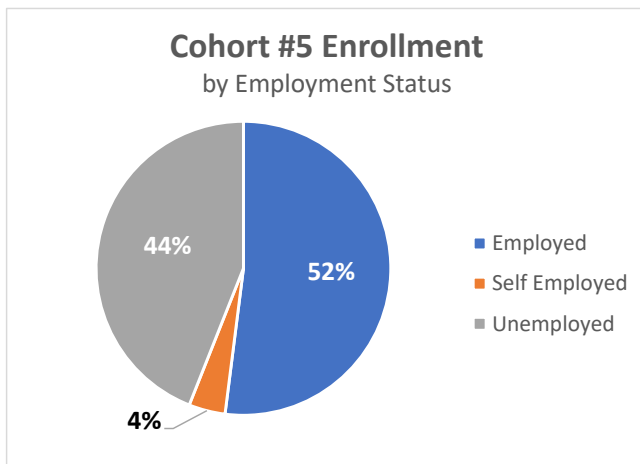
Training Graduates:

Out of the 25 Participants that successfully completed and graduated from the program, below is a breakdown of their educational level and employment status:

Graduates by Employment Status:

Of the 25 Graduates:

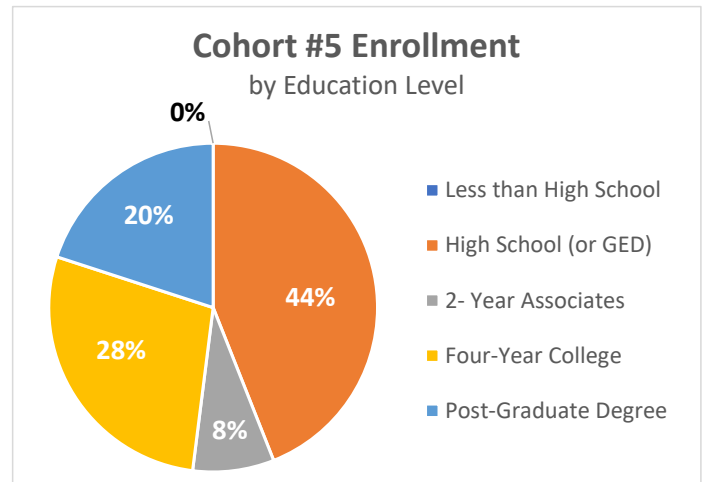
- Employed..... 13 Candidates [52%]
- Self-Employed..... 1 Candidates [4%]
- Unemployed..... 11 Candidates [44%]



Graduates by Education Level:

Of the 25 Graduates:

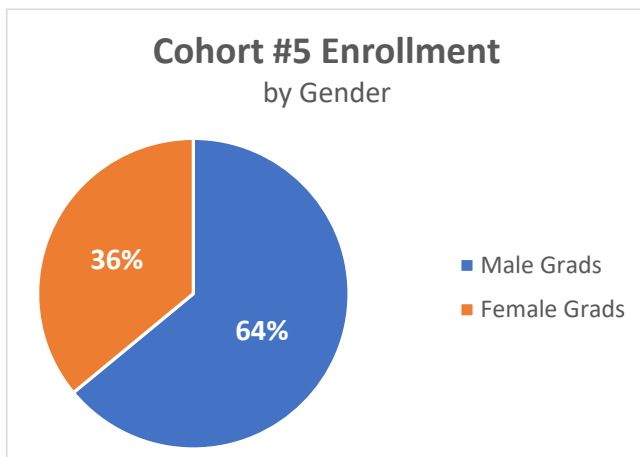
- Less than High School..... 0 Candidates [00.0%]
- High School (or GED)..... 11 Candidates [44.0%]
- 2-Year Associates..... 2 Candidates [8.0%]
- 4-Year College..... 7 Candidates [28.0%]
- Post-Graduate..... 5 Candidates [20.0%]



Graduates by Gender:

Of the 25 Graduates:

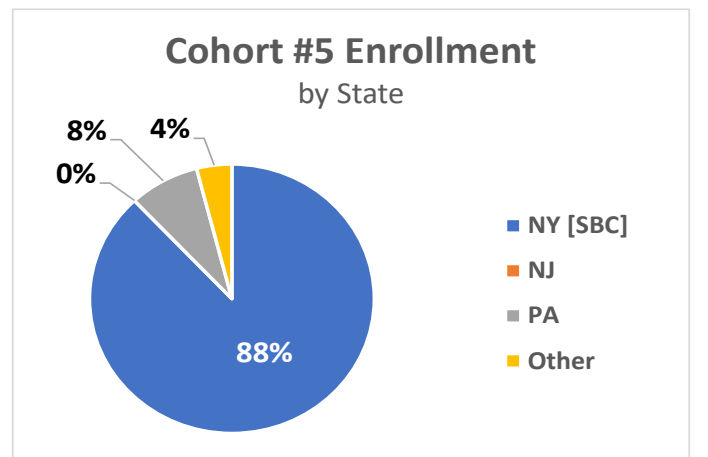
- Male..... 16 Candidates [64%]
- Female..... 9 Candidates [36%]
- Other..... 0 Candidates [0%]
- Non-Disclose..... 0 Candidates [0%]



Graduates by State:

Of the 25 Graduates:

- New York (NY)..... 22 Candidates [88.0%]
- New Jersey (NJ)..... 0 Candidates [0.0%]
- Pennsylvania (PA)..... 2 Candidates [8.0%]
- Other..... 1 Candidates [4.0%]

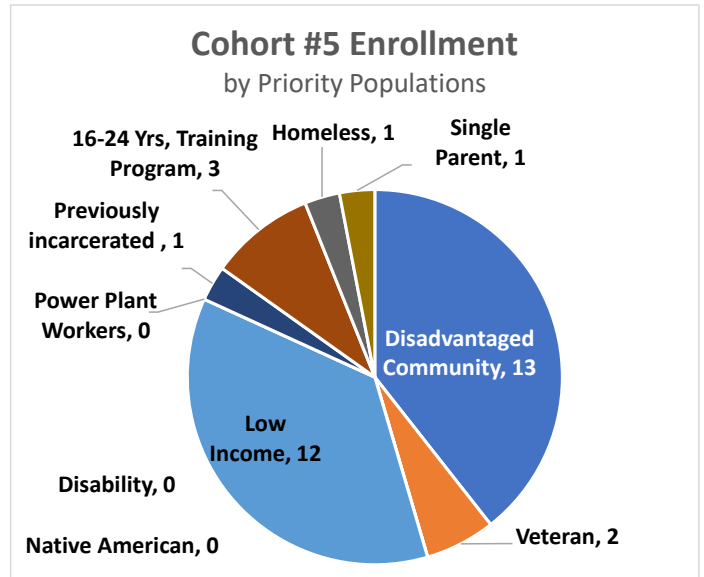


Graduates by Demographics [All that apply]:

Breakdown below includes every checkbox that everyone checked-off. So, some individuals may be counted twice, if they qualify for more than one target demographics.

Of the 25 Graduates:

- Disadvantaged Community... 13 Grads [52.0%]
- Low-Income.....12 Grads [48.0%]
- Homeless..... 1 Grads [4.0%]
- Veterans.....2 Grads [8.0%]
- Native Americans..... 0 Grads [0.0%]
- Disability..... 0 Grads [0.0%]
- Power Plant Workers..... 0 Grads [0.0%]
- Previously Incarcerated..... 1 Grads [4.0%]
- 18-24 Yrs. Old Recent Grads.... 3 Grads [12.0%]
- Single Parents..... 1 Grads [4.0%]



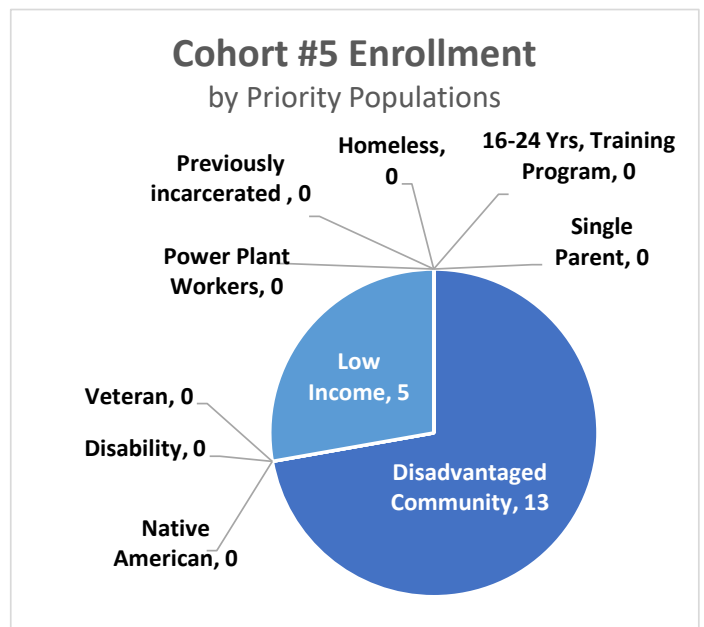
Graduates by Demographic [Only Once]:

Breakdown below includes only counts each person once, regardless of how many target demographics they qualified for.

Of the 25 Graduates:

- Disadvantaged Community... 13 Grads [52.0%]
- Low-Income..... 5 Grads [20.0%]
- Homeless..... 0 Grads [0.0%]
- Veterans.....0 Grads [0.0%]
- Native Americans..... 0 Grads [0.0%]
- Disability..... 0 Grads [0.0%]
- Power Plant Workers..... 0 Grads [0.0%]
- Previously Incarcerated..... 0 Grads [0.0%]
- 18-24 Yrs. Old Recent Grads.... 0 Grads [0.0%]
- Single Parents..... 0 Grads [0.0%]

TOTAL # OF PRIORITY POPULATIONS & DISADVANTAGED COMMUNITIES... 18 Grads [72%]



Career Services:

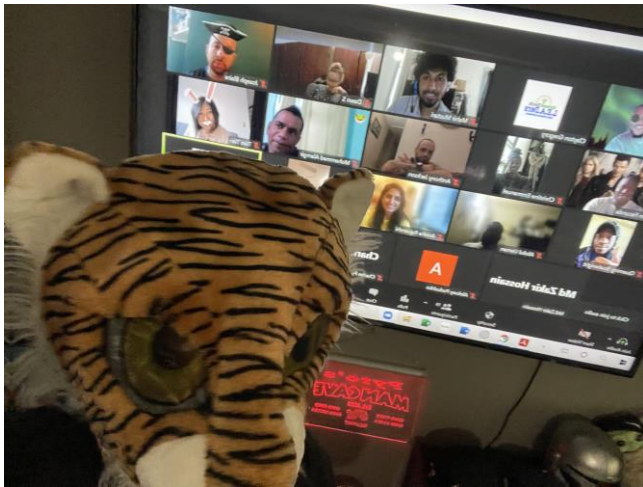
Career Accelerator:

Description: After course completion all student graduates are invited to participate in our Career Accelerator program. This is a 10-session, 20-hour career advancement webinar series. The classes cover important topics related to career advancement and professional development, including resume and cover letter development, interview preparation, and connecting to job market strategies.

Delivery: Classes began on Wednesday [11/10/21] and took place every Monday and Wednesday evening from 6:30pm-8:30pm, for 5 weeks, for a total of 10 sessions.

Participation: Of the 25 students who graduated:

- # of Accelerator Participants: 14 Grads [56%]
- # of Mock Interviews: 6 Grads [24%]



Capstone Projects:

Description: As part of the career accelerator, we strongly encourage students (particularly jobseekers) to sign up for a capstone project where they get more involved with one of our employer partners on an active, real-life project. Students let us know what type of career role they are most interested in, and we work with employer partners to find a project that meets the needs of both student and employer.

As needed, we will also assign students an exercise to fill their skills gap, such as a billing analysis or lighting audit assignments to prepare them to be effective when they take on an employer-connected capstone project.

Delivery: Capstone projects begin the second week of the Career Accelerator; for cohort #11, Capstones began on the week of 11/22/21, and ran for approximately 4 – 5 weeks.

Participation: Out of the 14 graduates that participated in the career accelerator:

- # of Capstone Lab Participants..... 11 Grads
- # of Capstone Project Participants..... 6 Grads
- Total # of unique Capstone Participants..11 Grads

Continuing Education:

Overview: We support our graduates by informing them of, and making discounts available to them to participate in various types of continuing education courses, including:

- BPI BSP..... 0 Certs
- BPI MFBA..... 0 Certs
- GPRO Fundamentals..... 1 Certs
- GPRO O&M..... 1 Certs
- GPRO CM..... 1 Certs
- GPRO Electrical..... 1 Certs
- GPRO Mechanical..... 1 Certs
- GPRO Plumbing..... 1 Certs
- NALMCO CALT..... 1 Certs
- OSHA 10..... 1 Certs
- OSHA 30..... 2 Certs
- SST..... 0 Certs

Total # Enrolled in Continuing Education.. 10 Certs

Career Services Outcomes:

Total # of Grads: 25 Grads

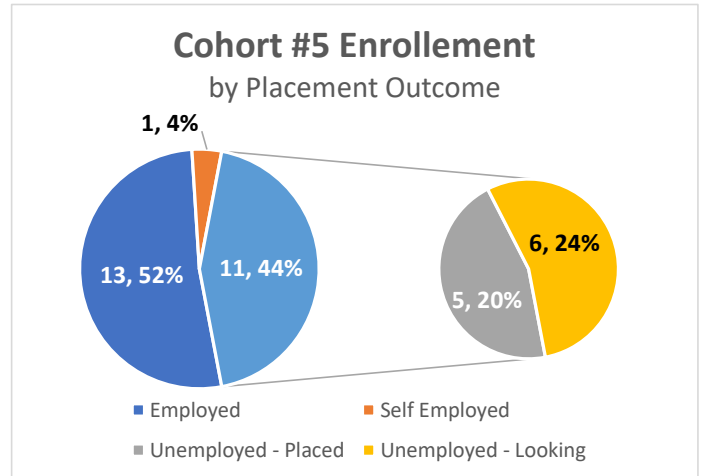
- **Total # of Placements**..... 5 Grads [20.0%]
- **Total # of Employment**..... 0 Grads [0.0%]
- **Total # of Promotions**..... 0 Grads [0.0%]

TOTAL # OF SUCCESSFUL OUTCOMES... 5 Grads [20.0%]

Total # of Grads – Unemployed: 11 Grads

- **Total # of Internships**..... 1 Grads [9.1%]
- **Total # of Part-Time Jobs**..... 1 Grads [9.1%]
- **Total # of Full-Time Jobs**..... 3 Grads [27.3%]
- **Total # of Apprenticeships**..... 0 Grads [0.0%]

TOTAL # OF SUCCESSFUL OUTCOMES.... 5 Grads [45.5%]



Graduation:

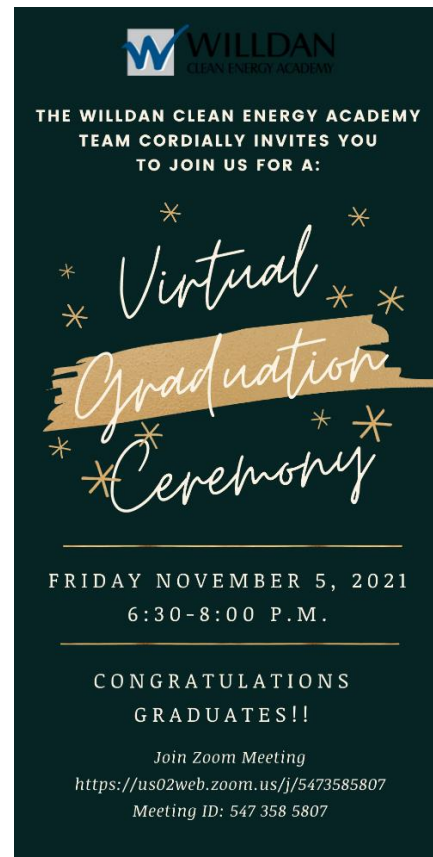
Description: Participants engaged in a graduation ceremony where they each received a certificate of completion signed by Willdan and ConEdison program managers. The graduation included several special guests and presenters; each of the presenters shared valuable insight with our students about the opportunities available to them in the clean energy industry and how they can find career success. Our students were inspired by the support from these industry leaders and reminded that they are part of a large network of seasoned professionals.

Delivery: Friday 11/05/2021 from 6:30pm - 8:00pm

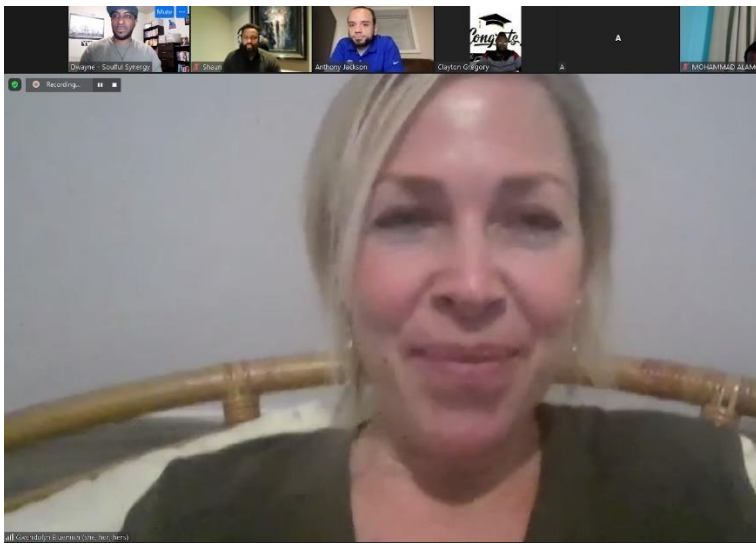
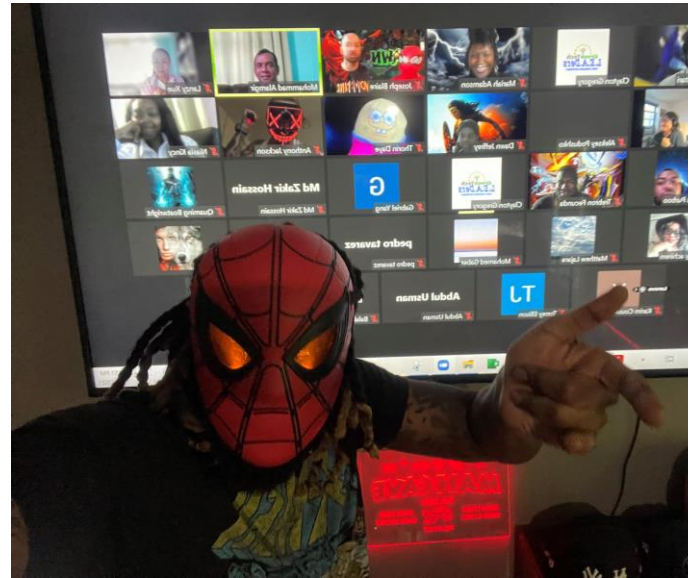
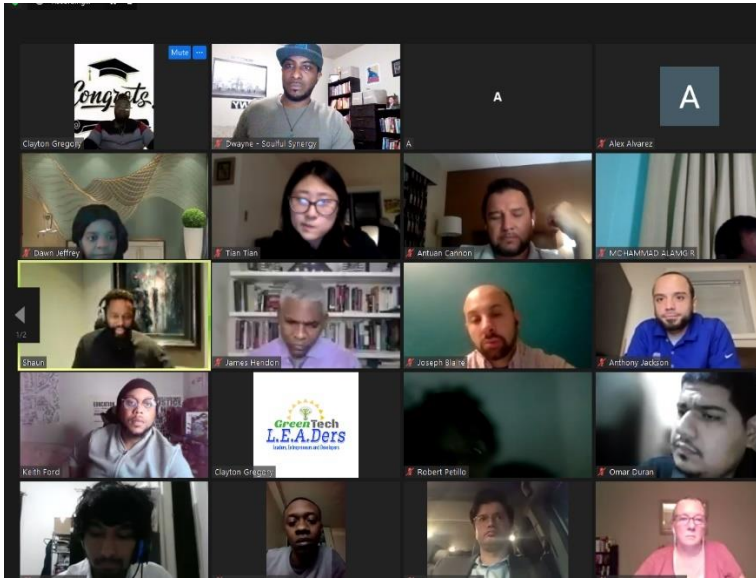
Participation:

Notable Attendants and Guest Speakers:

- Gwendolyn Bluemich, NYSERDA,
- Shaun Hoyte, Con Edison SMB Program
- Gretchen Sanchez, Energy Conservation Supply
- James Hendon, Energy Economic Dev. Corp.



Photos:



Testimonials

Name of Student: Thorin Daye

The Clean Energy Academy staff and instructors were amazing. They made Registering user friendly, and the course instructors were fun, engaging, and knowledgeable of the material. Together they assisted me in unlocking my interest in learning new green technologies again.

- Thorin Daye
Executive Director, Network Support Services Inc.
WCEA Cohort #11 Graduate



Name of Student: Mahir Mustari

Clean Energy Academy provided a clear pathway showing how to actively engage towards a sustainable future and improve efficiency in buildings. The academy also introduced me to new networks who are currently working in the field and provided many opportunities for me to get involved in the industry and learn.

- Mahir Mustari
WCEA Cohort #11 Graduate



Name of Student: Tian Tian

The Clean Energy Academy set me up for success for a career transition. Not only did I gain a wealth of knowledge about the energy efficiency industry and technology, but the staff worked hard to help me identify which path I should take to transfer my existing skills into another field.

- Tian Tian
WCEA Cohort #11 Graduate

