

Willdan Clean Energy Academy

in partnership with the

Jewish Community Center of Staten Island

Impact Report

SIJCC 2022 - Cohort#1

February 14, 2022 – March 17, 2022



Clean Energy Academy



**Joan & Alan Bernikow
Jewish Community Center
of Staten Island**

Program Overview

Summary:

Project Director: James Hendon
Email Address: jhendon@energyedc.com
Funding Source: NYSERDA PON 3981
Contract Number: 170197
Purchase Order Number: 172955

Course Name: Staten Island Clean Energy Academy
Course Dates: 02/14/2022 – 03/17/2022
Program Website: www.cleanenergyacademy.org
Cohort #: SIJCC Cohort #1

The Willdan Clean Energy Academy (WCEA) sponsored by Willdan Energy Solutions and supported by NYSERDA PON 3981 funding, successfully completed the 1st SIJCC Cohort of 2022, the 14th Cohort in the history of our Academy. For this round of funding the Academy is focusing on delivering our Small Commercial Energy Efficiency Analyst (SCEEA) Electrical Systems and Thermal Systems curricula to new workers and incumbent workers seeking career advancement in the clean energy industry. The training will be offered over a series of 4 cohorts: 2 cohorts of 60 hours each of Electrical Systems training and 2 cohorts of 60 hours each of Thermal Systems Training.

Delivery:

<ul style="list-style-type: none"> ● Delivery Method: Hybrid synchronous online and in person training methods ● Delivery Platform: Zoom & Lab ● Course Duration: 60 Hours + 2 Exams ● Delivery Format: “Weekdays” Monday through Thursday, for 3 hours [from 6 – 9pm] ● Course Duration: 5 Weeks ● Course Dates: <i>Classes:</i> Monday [01/31/22] – Friday [02/11/22] <i>HVAC Exam:</i> Friday [2/04/2022] <i>Final Exam:</i> Friday [02/11/2022] <i>Graduation:</i> Friday [04/07/2022] 	<p>This Electrical Systems training curriculum consisted of the following lessons:</p> <ul style="list-style-type: none"> ● Green Economy – 12 hours ● Lighting Systems – 18 hours ● HVAC Systems – 18 hours ● Refrigeration Systems – 12 hours ● CALT Certification (optional) ● EPA 608 Certification (optional)
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Staffing:

Management Team:

- **Program Manager:** James Hendon [EEDC]
- **Program Coordinator:** Cristina Pastrana [EEDC]
- **Program Administrator:** Amelia Winter [SIJCC]
- **Program Coordinator:** Kathi Indelicato [SIJCC]
- **Career Specialist:** Denise Sonnenberg [EEDC]
- **Capstone Manager:** JennAlise Flanders [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]
- **Outreach Coordinator:** Alejandro Alvarez [SS]
- **Career Specialist:** Lily Mosely [SS]

Recruitment & Enrollment:

The 36 candidates were selected to participate in this online training program out of 69 applications received and 41 interviews completed.

Total # of Applicants: 69 Applicants

Total # of Interviews: 41 Interviews
Interview Rate: 59.4%

Total # of Candidates Selected: 36 Candidates

- *Acceptance Rate: 52.2% [Overall]*
- *Acceptance Rate: 87.8% [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 the SIJCC's existing referral network, including its relationships with community-based organizations, such as the Staten Island Business Outreach Center, Staten Island Economic Development Corporation, Douglaston Development, Children's Aid, Goodhue Center, On Your Mark, Meals on Wheels, A Chance in Life, The Central Family Life Center, Eden II Program, Project Hospitality, and Camelot Counseling.

Furthermore, the teams leveraged relationships with government partners such as James Oddo, Staten Island Borough President, Joseph Borelli, Staten Island Councilman, 51st District, Steven Matteo, Staten Island Councilman, 50th District, and Community Board 1 Staten Island to expand its outreach efforts, identify target demographics, and engage additional support partners.

These candidates had 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.

ENROLL NOW
 Free 7-Week Energy Efficiency Job Training Program

JCC OF SI COHORT #1
 ELECTRICAL SYSTEMS
LIGHTING, HVAC & REFRIGERATION

FEB 14 - MAR 31, 2022
 (7 Weeks - Mon-Thu)
6:00PM - 9:00PM EST

To apply for the program, please visit app.cleanenergyacademy.org

For class information, contact:
Antuan Cannon
 Project Manager
 ☎ 646.357.6033
 ✉ Acannon@willdan.com

PROGRAM OVERVIEW
 This is a free 60 hour energy efficiency technical training, combined with professional development career advancement support services. The program is delivered virtually, and focuses on energy efficiency, outreach, education and implementation assistance initiatives for small commercial properties. This program is open to everyone aged 18+ with a high school diploma or equivalency, regardless of background. All applicants will undergo interviews, evaluations, and a screening/selection process.

PARTNERSHIP

Lead Workforce Partner:

Implementation Partners:

Program Champion:

LEARN
 5 Weeks (60 Hours):
 • Real-world application of sustainability policies & standards
 • Use of software tools and energy audit processes

CLASS SCHEDULE BREAKDOWN

WEEK 1, 2, 3	MON	TUE	WED	THU	FRI
9:00 - 9:00pm	Green Economy I	Green Economy III	Green Economy V	Lighting II	No classes
	Green Economy II	Green Economy IV	Lighting I	Lighting III	No classes
WEEK 4, 5	MON	TUE	WED	THU	FRI
9:00 - 9:00pm	Lighting IV	HVAC II	HVAC IV	HVAC VI	No classes
	HVAC I	HVAC III	HVAC V	HVAC VII	No classes

*Heating, Ventilation, and Air Conditioning (HVAC)

PROFESSIONAL DEVELOPMENT
 1-2 Weeks (15 Hours):
 • Resume and cover letter writing support services
 • Internship and job placement assistance services

Our professional development includes resume and cover letter writing support services, and internship and job placement assistance and support services. We help prepare participants for dozens of careers in the high demand clean energy industry, including:
 • Sales and Outreach
 • Auditor and Junior Engineer
 • Design and Engineering
 • Site Inspector
 • Installation and Contracting
 • Inspection and Measurement & Verification (IM&V)
 • Operations & Maintenance

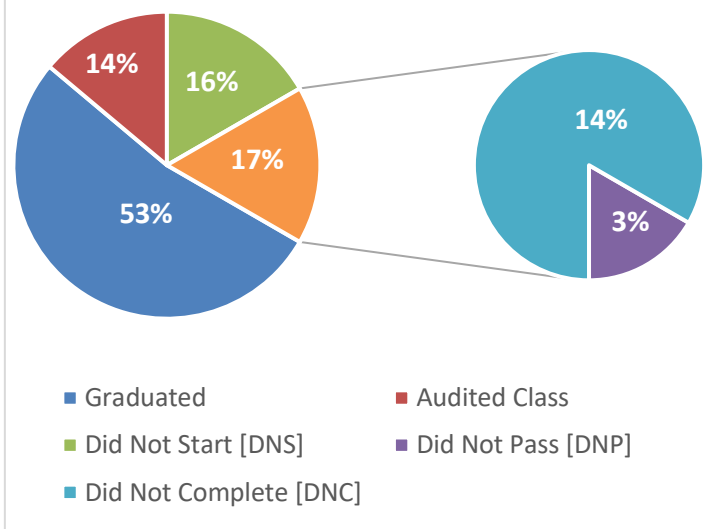
BUILD YOUR PORTFOLIO
 • Create energy audit reports and analysis
 • Prepare for industry recognized certifications

CERTIFICATIONS
 Curriculum is aligned with nationally recognized certifications and will prepare participants to earn their **NALMCO CALT & EPA 608** certifications.

SCHOLARSHIP
 Merit and needs based scholarships will be awarded to select participants to cover the costs associated with certifications.

For more information, contact:
Dwayne R. Norris
 Director of Outreach & Recruitment
 ☎ 917.650.7957
 ✉ CleanEnergyAcademy@sculfuturenergy.org

Training Graduates:

<p><u>Training Delivery:</u></p> <p>Total # of Candidates Selected: 36 Participants <i>Did Not Start: 6 [16.7% ~ DNS Rate]</i> <i>Audited: 5 [13.9% ~ Audit Rate]</i> <i>Enrolled: 25 [69.4% ~ Enrollment Rate]</i></p> <hr style="border-top: 1px dashed black;"/> <p>Selected Candidates that Enrolled: 25 Participant <i>Dropped: 0 [0% ~ Drop Rate]</i> <i>Did Not Complete: 5 [20% ~ DNC Rate]</i> <i>Completed: 20 [80% ~ Completion Rate]</i></p> <p>Enrolled Participants that Completed: 20 Participant <i>Did Not Pass: 1 [5% ~ DNP Rate]</i> <i>Graduated: 19 [95% ~ Passing Rate]</i></p> <p><u>SUMMARY:</u> <i>Candidates Selected: 36</i> <i>Candidates Enrolled: 25</i> <i>Participants Completed: 20</i> <i>Participants Graduated: 19</i> <i>Passing Rate: 95% [of Participants Completed]</i> <i>76% [of Candidates Enrolled]</i> <i>52.8% [of Candidates Selected]</i></p>	<p>WestCOP Cohort #1 Enrollment by Program Participation Outcome</p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Outcome</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Graduated</td> <td>53%</td> </tr> <tr> <td>Audited Class</td> <td>14%</td> </tr> <tr> <td>Did Not Start [DNS]</td> <td>16%</td> </tr> <tr> <td>Did Not Complete [DNC]</td> <td>17%</td> </tr> <tr> <td>Did Not Pass [DNP]</td> <td>3%</td> </tr> </tbody> </table>	Outcome	Percentage	Graduated	53%	Audited Class	14%	Did Not Start [DNS]	16%	Did Not Complete [DNC]	17%	Did Not Pass [DNP]	3%
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Participant Breakdown:

Out of the 19 Participants that successfully completed and graduated from the program, below is a breakdown of their educational level, employment status and other demographics:

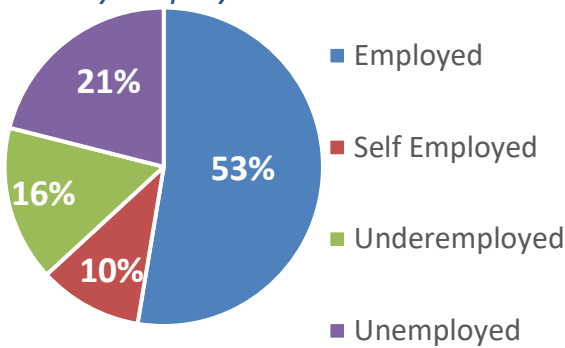
Graduates by Employment Status:

Of the 19 Graduates:

- Employed..... 10 Candidates [52.6%]
- Self-Employed..... 2 Candidates [10.5%]
- Underemployed..... 3 Candidates [15.8%]
- Unemployed..... 4 Candidates [21.1%]

**WestCOP Cohort #1
Enrollment**

by Employment Status



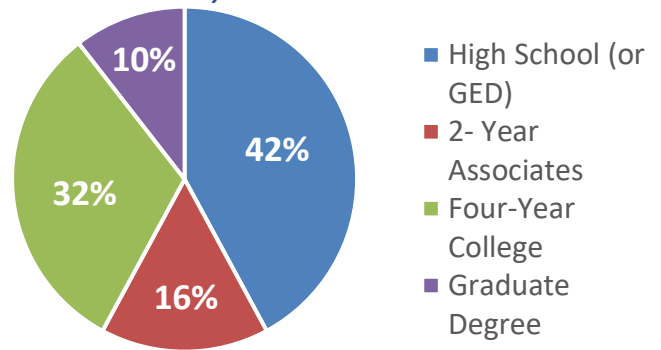
Graduates by Education Level:

Of the 19 Graduates:

- Vocational School..... 0 Candidates [0%]
- High School (or GED)..... 8 Candidates [42%]
- 2-Year Associates..... 3 Candidates [15.8%]
- 4-Year College..... 7 Candidates [36.8%]
- Post-Graduate..... 2 Candidates [10.5%]

**WestCOP Cohort #1
Enrollment**

by Education Level



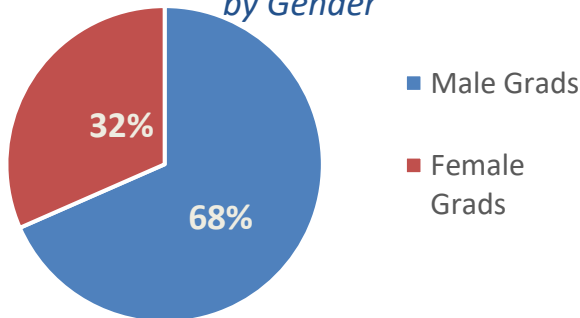
Graduates by Gender:

Of the 19 Graduates:

- Male..... 13 Candidates [68.4%]
- Female..... 6 Candidates [31.6%]
- Other..... 0 Candidates [0%]
- Non-Disclose..... 0 Candidates [0%]

**WestCOP Cohort #1
Enrollment**

by Gender

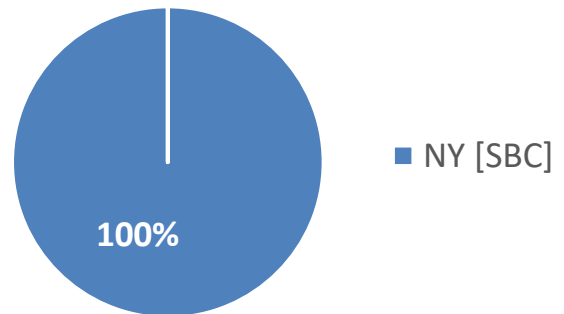


Graduates by State:

Of the 19 Graduates:

- New York (NY)....., 19 Candidates [100%]
- New Jersey (NJ)..... 0 Candidates [0%]
- Pennsylvania (PA)..... 1 Candidates [0%]
- Other..... 0 Candidates [0%]

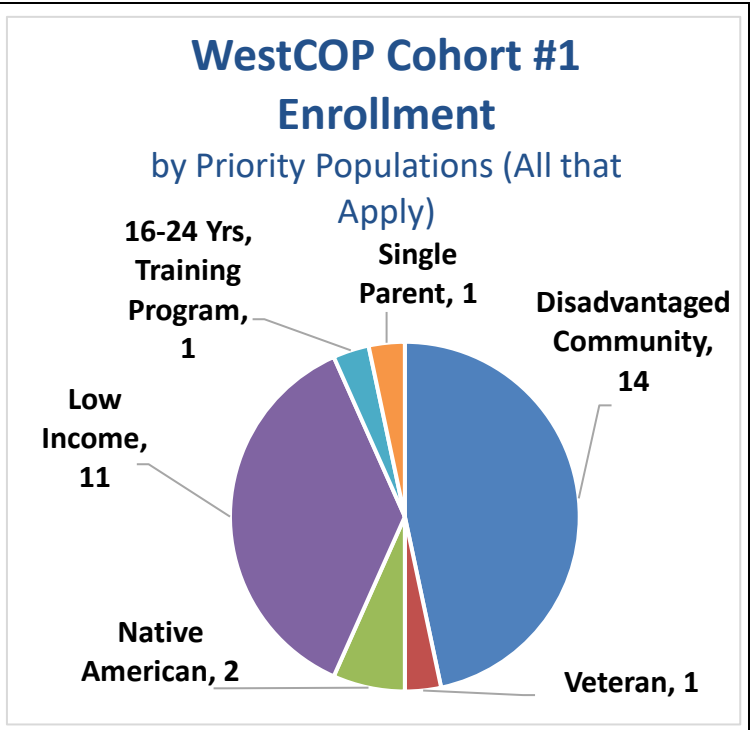
**WestCOP Cohort #1 Enrollment
by State Residency**



Graduates by Demographics:
 [Check "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 demographic.

Of the 19 Graduates:

- Disadvantaged Community...14 Grads [73.7%]
- Low-Income..... 11 Grads [57.9%]
- Homeless..... 0 Grads [0.0%]
- Veterans.....1 Grads [5.3%]
- Native Americans..... 2 Grads [10.5%]
- Disability..... 0 Grads [0.0%]
- Power Plant Workers..... 0 Grads [0.0%]
- Previously Incarcerated..... 0 Grads [0.0%]
- 16-24 Yrs. Old Recent Grads... 1 Grads [5.3%]
- Single Parents..... 1 Grads [5.3%]

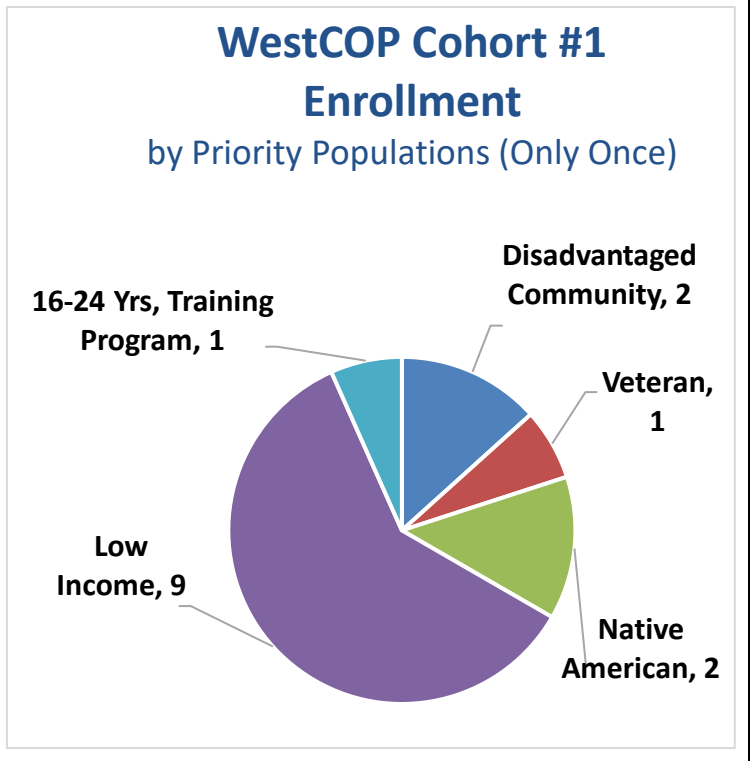


Graduates by Demographic [Only once per person]:
 Breakdown below includes only counts each person once, regardless of how many target demographics they qualified for.

Of the 19 Graduates:

- Disadvantaged Community... 2 Grads [10.5%]
- Low-Income..... 9 Grads [47.4%]
- Homeless..... 0 Grads [0.0%]
- Veterans..... 1 Grads 5.3%]
- Native Americans..... 2 Grads [10.5%]
- Disability..... 0 Grads [0.0%]
- Power Plant Workers..... 0 Grads [0.0%]
- Previously Incarcerated..... 0 Grads [0.0%]
- 16-24 Yrs. Old Recent Grads.... 1 Grads [5.3%]
- Single Parents..... 0 Grads [0.0%]

TOTAL # OF PRIORITY POPULATIONS & DISADVANTAGED COMMUNITIES... 15 Grads [78.9%]



Career Services Outcomes:

Career Accelerator:

Description: After course completion, all student graduates are invited to participate in our Career Accelerator program. This is a 8-session, 24-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 Monday [03/21/22] and took place Monday through Thursday evening from 6:00pm-9:00pm, for 2 weeks, for a total of 8 sessions.

Participation: Of the 19 students who graduated:

- **# of Accelerator Participants:** 15 Grads [78.9%]
- **# of Mock Interviews:** 7 Grads [36.8%]

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 #1, Capstones began the week of 03/28/22, and ran for approximately 4 weeks.

Participation: Out of the 19 graduates that participated in the career accelerator:

- # of Capstone Lab Participants..... 6 Grads
- # of Capstone Project Participants..... 3 Grads
- Total # of unique Capstone Participants...9 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..... 0 Certs
- GPRO O&M..... 0 Certs
- GPRO CM..... 0 Certs
- GPRO Electrical..... 0 Certs
- GPRO Mechanical..... 0 Certs
- GPRO Plumbing..... 0 Certs
- NALMCO CALT..... 8 Certs
- EPA 608 8 Certs
- OSHA 10..... 0 Certs
- OSHA 30..... 0 Certs
- SST..... 0 Certs

Total # Enrolled in Continuing Education..... 16 Certs



Career Services Outcomes:

Graduates by Placement Outcome:

Of the 19 Graduates, 4 Grads (21%) were unemployed and 3 Grads (16%) were underemployed at the time of enrollment:

Of the 19 Graduates:

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

TOTAL # OF SUCCESSFUL OUTCOMES... 0 Grads [0.0%]

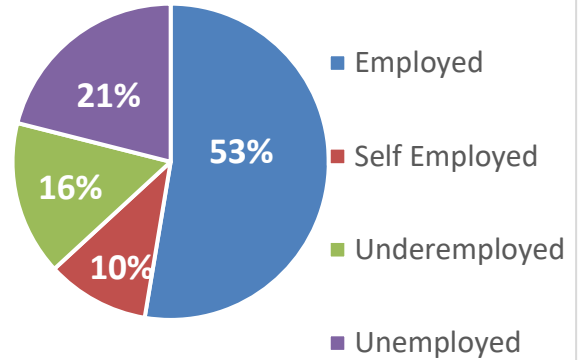
Of the 0 Successful Placement outcomes, the outcomes can be categorized as follows:

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

TOTAL # OF SUCCESSFUL OUTCOMES.... 0 Grads [0.0%]

WestCOP Cohort #1 Enrollment

by Employment Status



Graduation:

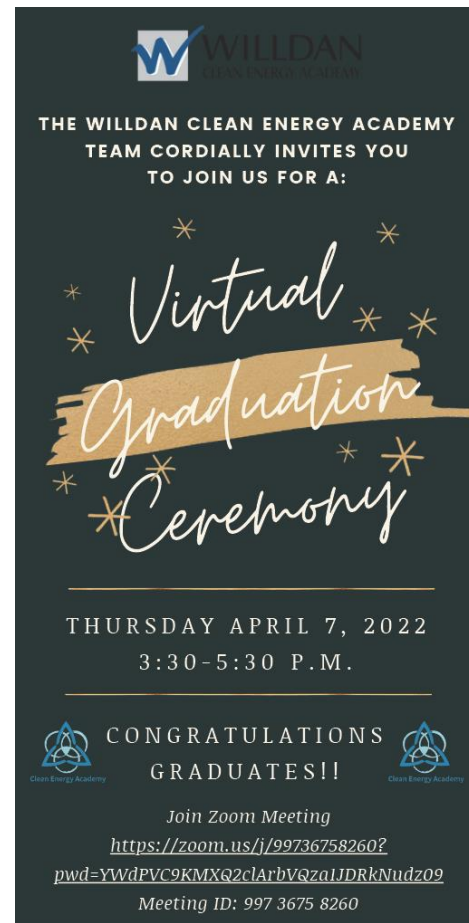
Description: Participants engaged in a graduation ceremony where they each received a Certificate of Completion signed by Willdan and ConEdison program managers. The graduation included several special guests and presenters; each of the presenters shared valuable insight with our students about the opportunities available to them in the clean energy industry and how they can find career success. The students were inspired by the encouragement they received from these industry leaders. As those who went before them, we have no doubt these participants received the same from the reminder that they are part of a large network of seasoned professionals.

Delivery: Friday 04/07/2021 from 3:30pm - 5:30pm

Invited Guest:

Notable Guest Speakers Invited:

- Shaun Hoyte, Con Edison SMB Program
- Amelia Winter, SIJCC
- Kathi Indelicato, SIJCC
- Ron Kamen, Earthkind Energy
- WD Scherle, Soulful Synergy



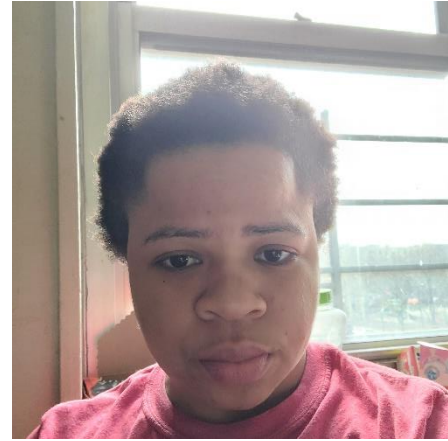
Testimonials

Name of Student: Shantal Berry

The Clean Energy Academy was great. The staff instructors were awesome. Keith was a hilarious instructor and knew his information. He was very fair and always helped us if we needed more information or questions. Clay was funny as well and very informative. Mariah was awesome with her note-taking skills. Pavel and Omar were great with helping us on the technical difficulties side. Keith always tried to make the class interesting and fun, especially with the Kahoots. Overall, it was a great experience for me and I'm looking forward to signing up for a different class. As long as Keith and Clay are the instructors and Mariah is there!

- Shantal Berry

SIJCC WCEA Cohort #1 Graduate



Name of Student: Ara Fulcher

I am thankful for the advantages that the Clean Energy Academy has offered. I had the opportunity to learn about Lighting and Thermal systems which gives me a better chance at becoming an inspector. This course will increase my earning potential which adds to my overall happiness. The instructors kept it interesting, gave needed assistance and displayed positive teamwork, which I haven't really observed in a work environment in years.

- Ara Fulcher

SIJCC WCEA Cohort #1 Graduate



Name of Student: Summer Star

CEA, Soulful Synergy, Willdan, JCC and all the individuals & organizations involved in making these course and job opportunities happen are amazing people. I recognize the tremendous amount of work involved in making these partnerships and opportunities come to fruition for people who need them. Offering night courses and others annually for little or no-cost is very needed for working class & critical to get our work force in NY region up to speed to meet State and Federal clean energy and efficiency goals. Thank You for the amazing network of people, the trade course education, generosity by including trade certifications and costs, industry knowledge on groups, organizations and welcoming me into this network! The support and resources are astounding. I've learned so much already and look forward to enrolling in many more courses.

- Summer Star

SIJCC WCEA Cohort #1 Graduate

