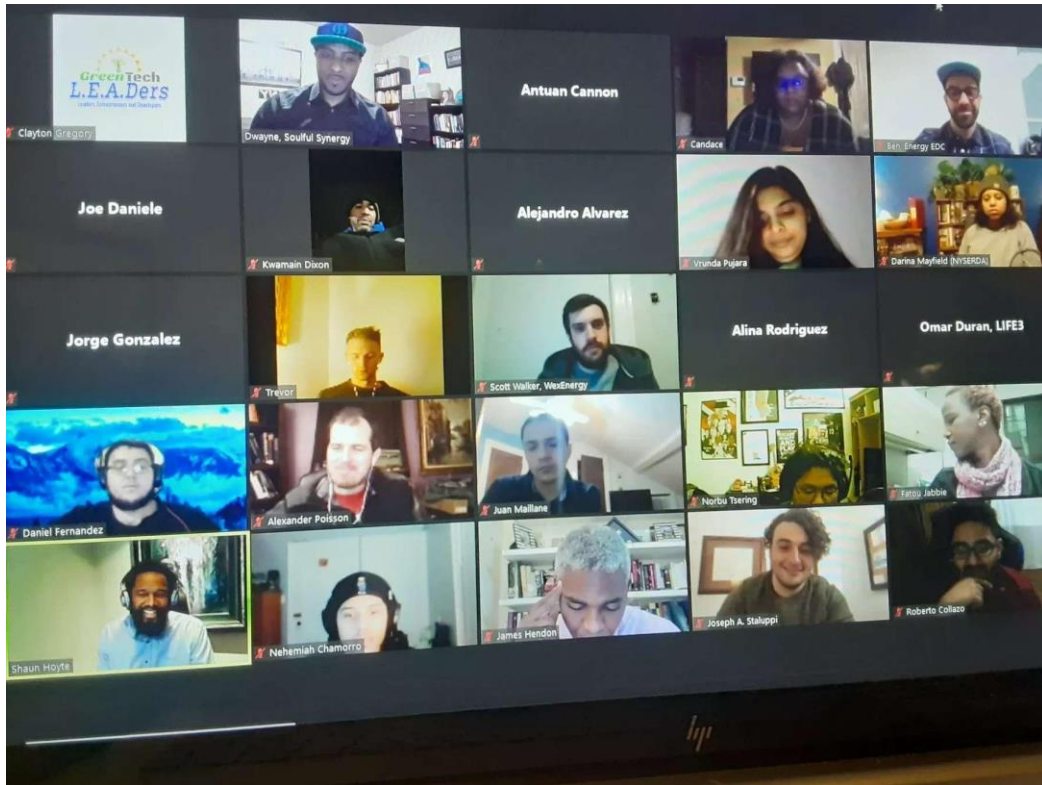




Willdan Clean Energy Academy [WCEA]

Impact Report



2021 - Cohort#3 | OVERALL - Cohort #9

June 2021 - July 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: 06/07/2021 – 06/18/2021
Program Website: www.cleanenergyacademy.org
Cohort #: Thermal Systems Cohort #3 | Overall Cohort #9

The Willdan Clean Energy Academy (WCEA) led by Willdan Energy Solutions and supported by NYSERDA PON 3981 funding, successfully completed the third cohort of 2021 – the 9th 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:** Daytime Accelerated; Monday - Friday, for 6 hours per day [from 11:30am - 6:30pm] over 10 day [2 weeks], plus test prep and final exam
- **Course Duration:** 5 Weeks
- **Course Dates:**
Classes: 06/07/2021 – 06/18/2021
Final Exam: Monday [06/21/2021]
Graduation: Friday [06/25/2021]

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:** Michael Schumer [EEDC]
- **Career Specialist:** Candace Campo [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]
- **Academic Advisor:** Ehsan Kamel [NYIT]
- **Experiential Education:** Amy Bravo [NYIT]
- **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 128 applications received and 40 interviews completed.

Total # of Applicants: 128 Applicants

Total # of Interviews: 40 Interviews
Interview Rate: 31.25%

Total # of Candidates Selected: 36 Candidates

- *Acceptance Rate: 28.1% [Overall]*
- *Acceptance Rate: 90.0% [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, Department of Education Technical High Schools, 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?
 Dorena E. Morris (917) 880-7357
 CEA@willdanenergy.org

APPLY AT CLEAN ENERGY ACADEMY
 LIVE VIRTUAL CLASSROOM
 MONDAY, JUNE 7, 2021
 11:30am - 6:30pm
 Monday - Friday
 for 2 Weeks

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://nyurl.com/wimwapp>
 All Applicants will undergo interviews, evaluations and a screening/reflection process

BROUGHT TO YOU BY: NEW YORK STATE, NYSEDER, WILLDAN
In Partnership with Gov. Cuomo's Small Business Business Program

IMPLEMENTED BY: NEW YORK INSTITUTE OF TECHNOLOGY, GreenTech L.E.A.D.ers

POWERED BY: WINWIN
 2020 United Light Technology Applications Incubator
 EHSolutions
 CEM International Energy Commission & Supply
 Wind Energy Group
 USL Tech
 Spring Bank

EMPLOYER PARTNERS:

Training Delivery:

Total # of Candidates Selected: 36 Participants

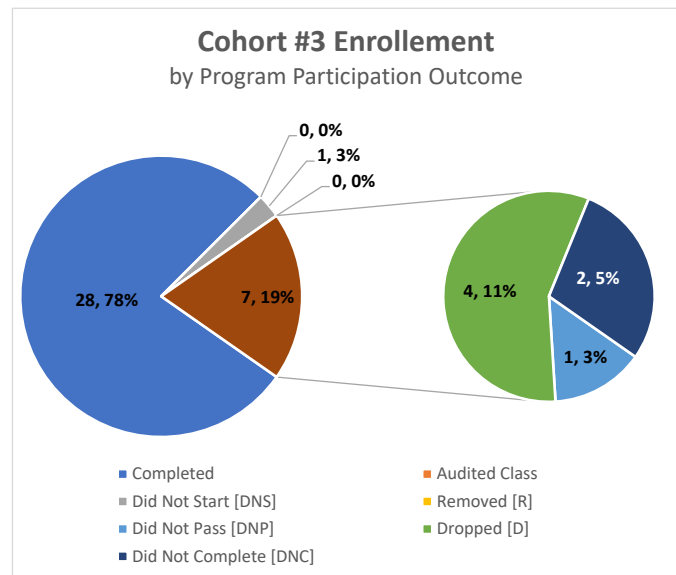
of Candidates Selected that Enrolled:
Enrolled: 35 [97.2% ~ Enrollment Rate]
Did Not Start: 1 [2.8% ~ DNC Rate]

of Enrolled Participants that Completed:
Completed: 29 [82.9% ~ Completion Rate]
Did Not Complete: 6 [17.1% ~ Attrition Rate]

of Participants Completed & Successfully Passed:
Successfully Passed: 28 [96.6% ~ Passing Rate]
Did Not Pass: 1 [3.4% ~ DNP Rate]

SUMMARY:

Candidates Selected: 36
Candidates Enrolled: 35
Participants Passed: 28
Passing Rate: 80% [of Enrolled Participants]
78% [of Candidates Selected]



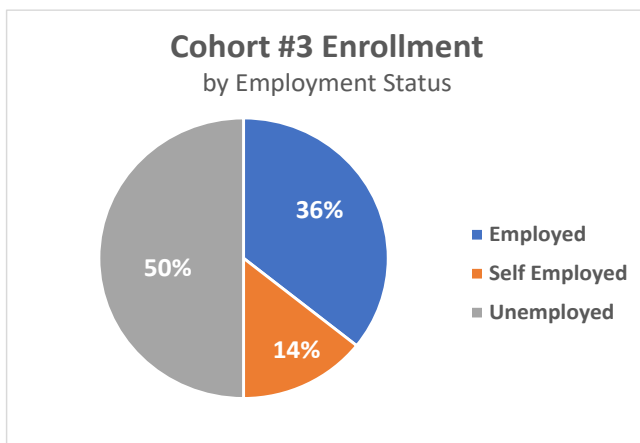
Training Graduates:

Out of the 28 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 28 Graduates:

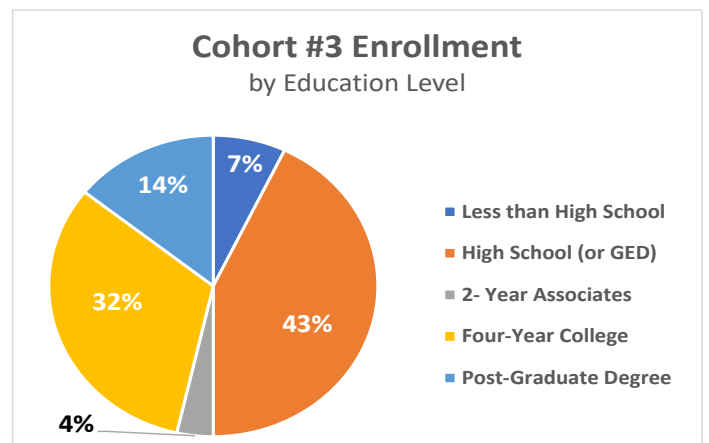
- Employed..... 10 Candidates [36%]
- Self-Employed..... 4 Candidates [14%]
- Unemployed..... 14 Candidates [50%]



Graduates by Education Level:

Of the 28 Graduates:

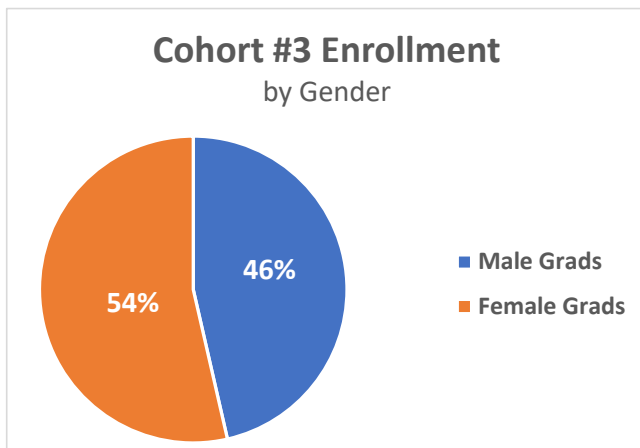
- Less than High School..... 2 Candidates [7.1%]
- High School (or GED)..... 12 Candidates [42.9%]
- 2-Year Associates..... 1 Candidates [3.6%]
- 4-Year College..... 9 Candidates [32.1%]
- Post-Graduate..... 4 Candidates [14.3%]



Graduates by Gender:

Of the 28 Graduates:

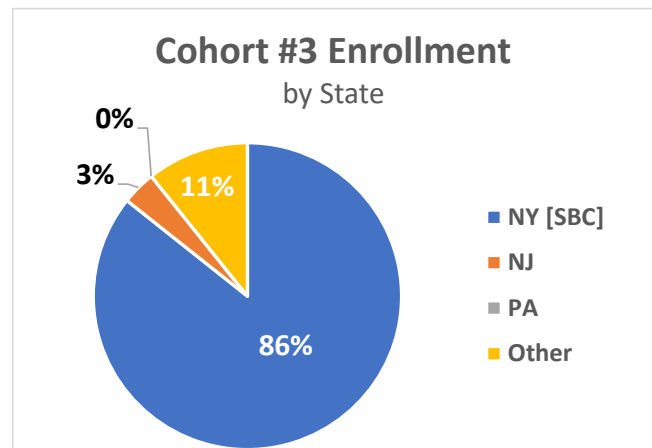
- Male..... 13 Candidates [46%]
- Female..... 15 Candidates [54%]
- Other..... 0 Candidates [0%]
- Non-Disclose..... 0 Candidates [0%]



Graduates by State:

Of the 28 Graduates:

- New York (NY)..... 24 Candidates [85.7%]
- New Jersey (NJ)..... 1 Candidates [3.6%]
- Pennsylvania (PA)..... 0 Candidates [0.0%]
- Other..... 3 Candidates [10.7%]



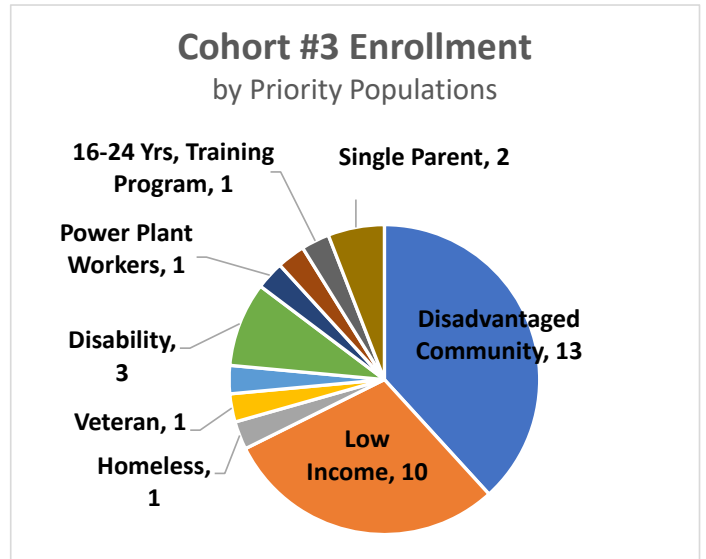
Graduates by Priority Population [All that apply]:

Breakdown below includes every check-box that everyone checked-off. Some individuals may be counted more than once, if they qualify for more than one priority population category.

Of the 28 Graduates:

- Disadvantaged Community... 13 Grads [46.4%]
- Low-Income.....10 Grads [35.7%]
- Homeless..... 1 Grads [3.6%]
- Veterans.....1 Grads [3.6%]
- Native Americans..... 1 Grads [3.6%]
- Disability..... 3 Grads [10.7%]
- Power Plant Workers..... 1 Grads [3.6%]
- Previously Incarcerated..... 1 Grads [3.6%]
- 18-24 Yrs. Old Recent Grads.... 1 Grads [3.6%]
- Single Parents..... 2 Grads [7.1%]

TOTAL # OF PRIORITY POPULATIONS...34 Grads



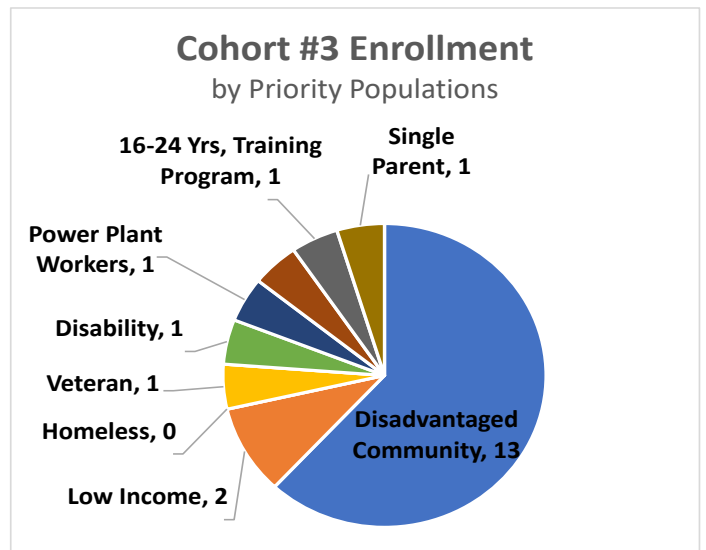
Graduates by Priority Population [Only Once]:

Breakdown below only counts each person once, regardless of how many priority population category they qualify for.

Of the 28 Graduates:

- Disadvantaged Community... 13 Grads [46.4%]
- Low-Income..... 2 Grads [7.1%]
- Homeless..... 0 Grads [0.0%]
- Veterans.....1 Grads [3.6%]
- Native Americans..... 0 Grads [0.0%]
- Disability..... 1 Grads [3.6%]
- Power Plant Workers..... 1 Grads [3.6%]
- Previously Incarcerated..... 1 Grads [3.6%]
- 18-24 Yrs. Old Recent Grads.... 1 Grads [3.6%]
- Single Parents..... 1 Grads [3.6%]

TOTAL # OF PRIORITY POPULATIONS...21 Grads [75%]



Career Services:

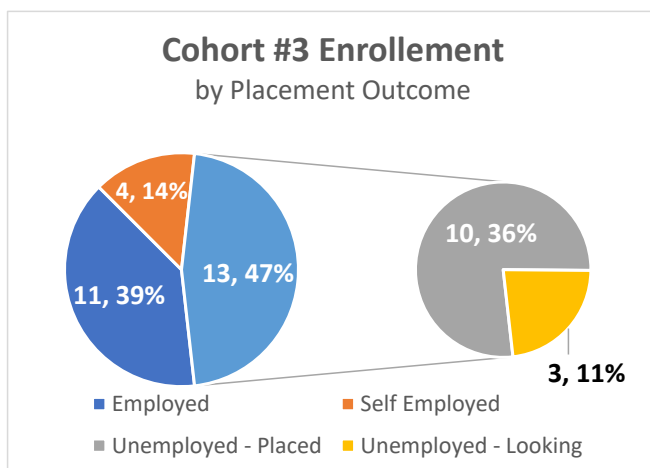
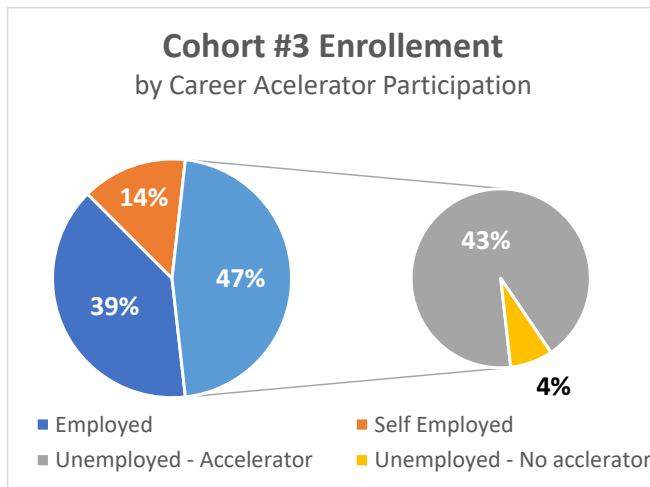
Career Accelerator:

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 Monday [6/28/21] 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 28 students who graduated, and 13 that were unemployed:

- **# of Accelerator Participants:** 11 Grads
% of Unemployed Grads: 84.6%
- **# of Mock Interviews:** N/A
% of Accelerator Participants: N/A



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 #9, Capstones began on the week of July 5th, and ran for approximately 4 – 6 weeks.

Participation: Out of the 13 graduates that participated in the career accelerator:

- # of Capstone Lab Participants.....8 Grads
- # of Capstone Project Participants.....10 Grads
- Total # of Capstone Participants..... 10 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:

- GPRO Fundamentals..... 4 Grads
- GPRO O&M..... 0 Grads
- GPRO CM..... 3 Grads
- GPRO Electrical..... 0 Grads
- GPRO Mechanical..... 0 Grads
- GPRO Plumbing..... 0 Grads
- WCEA SCEE Electrical..... 0 Grads
- BPI MFBA..... 1 Grads
- BPI BSP..... 3 Grads
- NALMCO CALT..... 6 Grads
- OSHA 30..... 0 Grads
- SST.....0 Grads

TOTAL CONTINUING EDUCATION OUTCOMES: 17 Grads

Career Services Outcomes:

Total # of Grads: 28 Grads

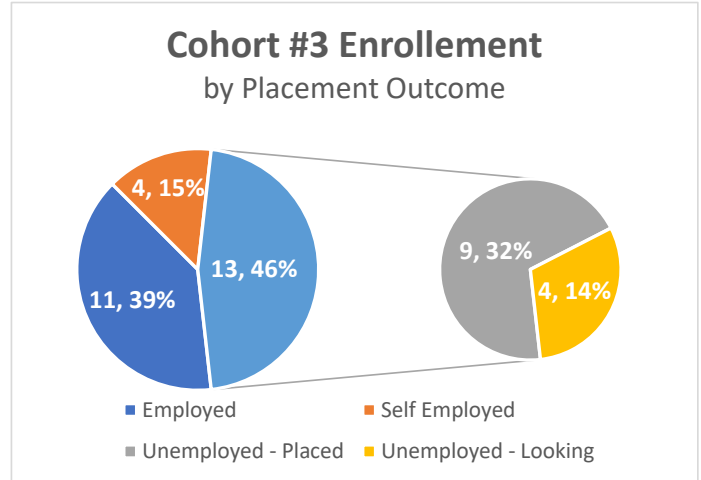
- **Total # of Placements:** 9 Grads [32.1%]
- **Total # of Employment:** 0 Grads [00.0%]
- **Total # of Promotions:** 0 Grads [00.0%]

TOTAL # OF SUCCESSFUL OUTCOMES: 9 Grads [32.1%]

Total # of Grads – Unemployed: 13 Grads

- **Total # of Internships:** 2 Grads [15.4%]
- **Total # of Part-Time Jobs:** 0 Grads [00.0%]
- **Total # of Full-Time Jobs:** 7 Grads [53.8%]
- **Total # of Apprenticeships:** 0 Grads [00.0%]

TOTAL # OF SUCCESSFUL OUTCOMES: 9 Grads [69.2%]



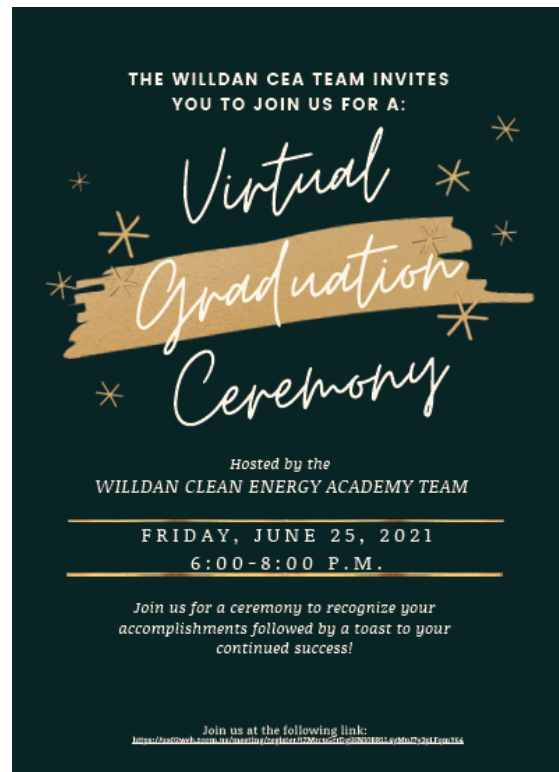
Graduation:

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.

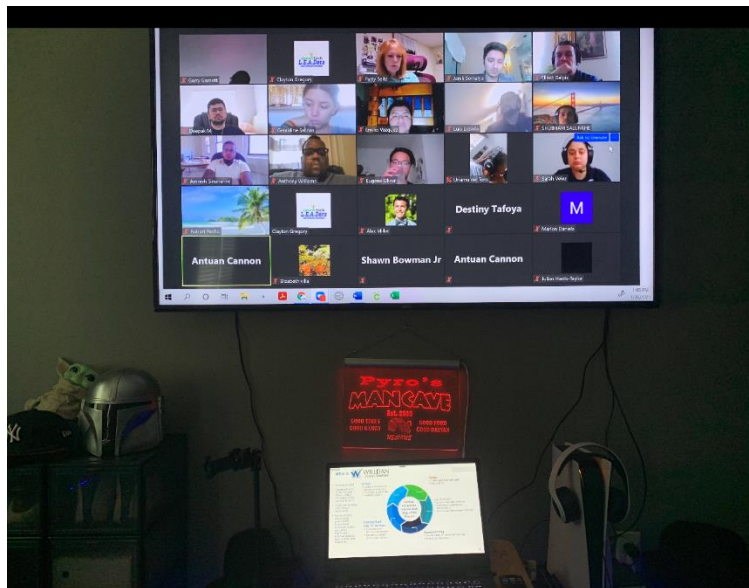
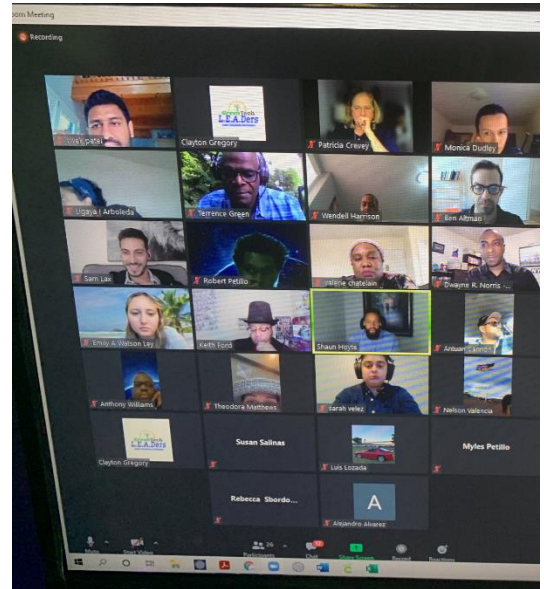
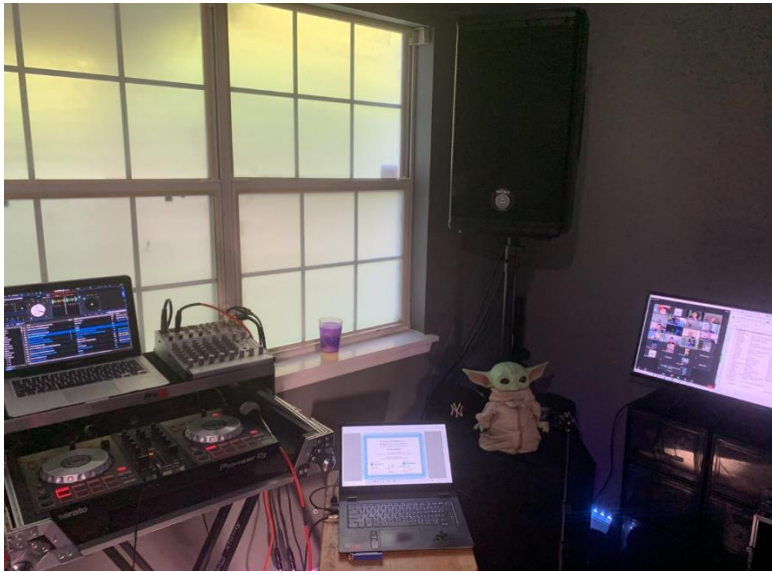
Delivery: Friday 6/25/2021 from 6:00pm - 8:00pm

Participation:

Notable Attendants and Guest Speakers: Joseph Daniele and Gerard Mondesir, Willdan Energy Solutions, Shaun Hoyte, Con Edison SMB Program Manager, Rachel Rosen and Scott Walker, Wex Energy



Photos:



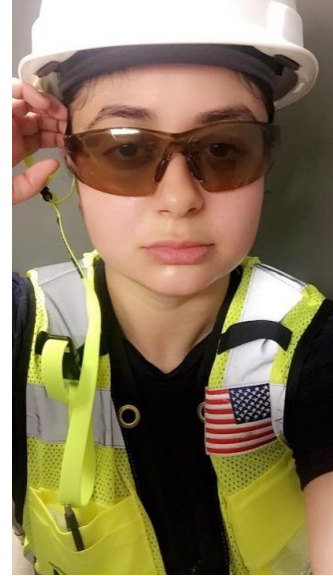
Testimonials

Name of Student: Sarah Velez

Willdan’s CEA is truly the most inspiring program I have ever had the pleasure to be a part of. I recently completed the Lighting Class.....The program was very thorough and resulted in my class achieving a CALT Certification as well as an OSHA 10.

The WCEA also gave me a better look into the positions that were available to me if I wanted to pursue a Green Career, I was very interested in Inspections after learning more about the role and how my job would impact the world. After completing Willdan’s Clean Energy Academy not only did I leave with new certifications and a much better understanding of lighting, I started my journey to save our planet by landing a job at Kawi Energy Group as an Inspector.

- Sarah Velez
Inspector, Kawi Energy Group
WCEA Cohort #9 Graduate



Name of Student: Robert Petillo

Willdan CEA is the program that actually change my life. Before attending Willdan Clean Energy Academy I was seeking a new career change. I was looking for something that I would love to do, something that is futuristic and has bright future as the industry grow.

I didn’t know anything about Energy and how important the role that it plays in our daily life, worst how the mechanics works. This class taught me from like a 1st grade level to like advance level. Now I understand the main component and how it works, I also learn more of the language meaning I can communicate better now with others in the industry because I can better communicate with terms they are familiar with. The amount things a learned in short time, you will not get this anywhere than here. Every staff member is really active and resourceful in the industry on daily base.

I came into the program with no knowledge just hunger to learn, now I am here writing testimony from my office desk as a new hire. I am excited about my future and I know you can do the same and even better than I did. This is life-time opportunity please take advantage.

- Robert Petillo,
Willdan SMB Sales Auditor
WCEA Cohort #9 Graduate

