



Willdan Clean Energy Academy [WCEA]

Impact Report

2022 - Cohort#6 | OVERALL - Cohort #12

February 14, 2022 – February 25, 2022



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: 02/14/2022- 02/25/2022
Program Website: www.cleanenergyacademy.org
Cohort #: Thermal Systems Cohort #6 | Overall Cohort #12

The Willdan Clean Energy Academy (WCEA) led by Willdan Energy Solutions and supported by NYSERDA PON 3981 funding, successfully completed the 6th Cohort of 2022 – the 12th 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:** “Weekdays”
Monday through Friday, for 3 hours per morning session [from 11:30am - 2:30pm] and 3 hours in the afternoon [from 4:00pm – 7:00pm, with 1.5 hour for lunch]
- **Course Duration:** 2 Weeks
- **Course Dates:**
Classes: Monday [02/14/22] – Friday [02/25/22]
Final Exam: Friday [02/25/2022]
Graduation: Friday [04/01/2022]

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:** Cristina Pastrana [EEDC]
- **Career Specialist:** Denise Sonnenberg [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 30 candidates were selected to participate in this online training program out of 122 applications received and 33 interviews completed.

Total # of Applicants: 122 Applicants

Total # of Interviews: 33 Interviews
Interview Rate: 27.05%

Total # of Candidates Selected: 30 Candidates

- *Acceptance Rate: 24.6% [Overall]*
- *Acceptance Rate: 90.9% [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? Duayne R. Norris (917) 830-7157
 Director of Outreach & Recruitment
 CE@willdan.com

APPLY AT CLEAN ENERGY ACADEMY
 LIVE VIRTUAL CLASSROOM
 MONDAY, FEBRUARY 14, 2022
 MONDAY - FRIDAY
 11:30AM - 7:00PM
 VISIT US AT CLEANENERGYACADEMY.ORG

PROGRAM OVERVIEW
 This is a free 40 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://3mvt.com/willdanapp>
 Applicants will undergo interviews, evaluations and a screening/selection process

BROUGHT TO YOU BY: NYSERDA, WILLDAN
In Partnership with Con Edison's Small-Medium Business Program

IMPLEMENTED BY: NEW YORK INSTITUTE OF TECHNOLOGY, GreenTech LEADERS

POWERED BY: WINWIN ENERGY
2018 Break! Light Performance Acceleration Award Winner

EMPLOYER PARTNERS: 2018 Break! Light Performance Acceleration Award Winner
 CSE International Energy Conservation Supply, Next Energy Group, LLC, Sun Saving Bank

Training Delivery:

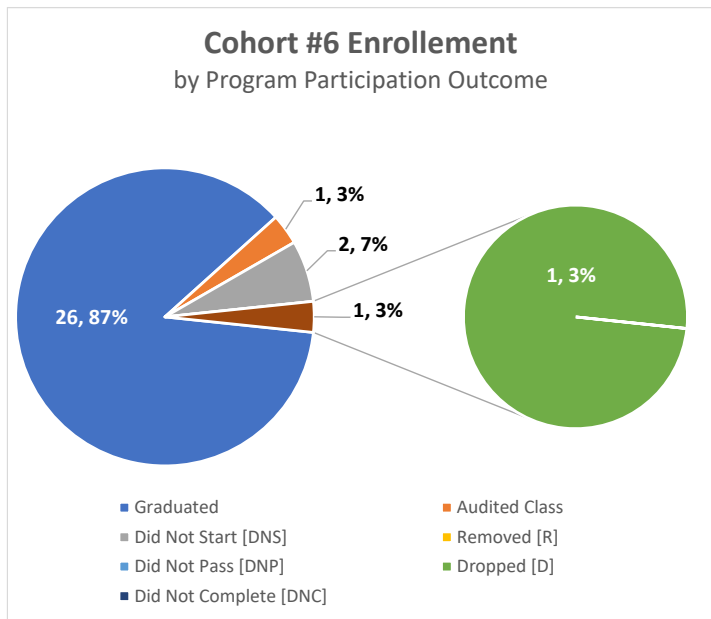
Total # of Candidates Selected: 30 Participants
Did Not Start: 2 [6.7% ~ DNS Rate]
Audited: 1 [3.33% ~ Audit Rate]
Enrolled: 27 [90% ~ Enrollment Rate]

Selected Candidates that Enrolled: 27 Participant
Dropped: 1 [3.7% ~ Drop Rate]
Did Not Complete: 0 [0.0% ~ DNC Rate]
Completed: 26 [96.3% ~ Completion Rate]

Enrolled Participants that Completed: 26 Participant
Did Not Pass: 0 [0.0% ~ DNP Rate]
Graduated: 26 [100% ~ Passing Rate]

SUMMARY:

Candidates Selected: 30
Candidates Enrolled: 27
Participants Completed: 26
Participants Graduated: 26
Passing Rate: 100% [of Participants Completed]
96.3% [of Candidates Enrolled]
86.7% [of Candidates Selected]



Training Graduates:

Out of the 26 Participants that successfully completed and graduated from the program, below is a breakdown of their educational level and employment status:

Graduates by Employment Status:

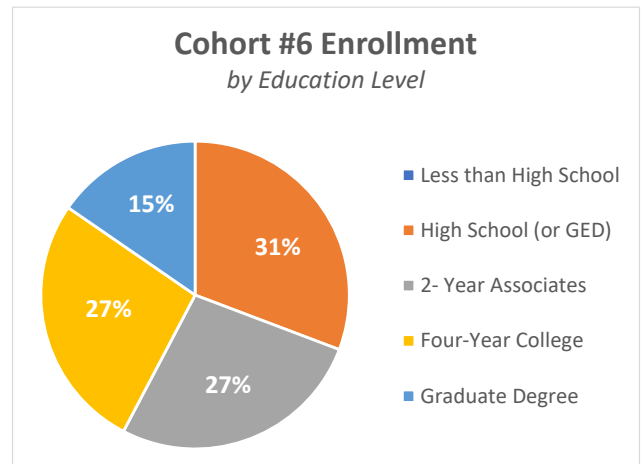
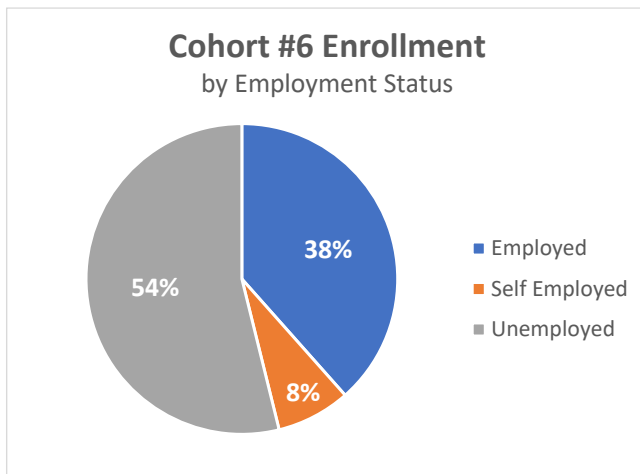
Of the 26 Graduates:

- Employed..... 10 Candidates [38.5%]
- Self-Employed..... 2 Candidates [7.7%]
- Unemployed..... 14 Candidates [53.8%]

Graduates by Education Level:

Of the 26 Graduates:

- Less than High School..... 0 Candidates [0.00%]
- High School (or GED)..... 8 Candidates [30.8%]
- 2-Year Associates..... 7 Candidates [26.9%]
- 4-Year College..... 7 Candidates [26.9%]
- Post-Graduate..... 4 Candidates [15.4%]



Graduates by Gender:

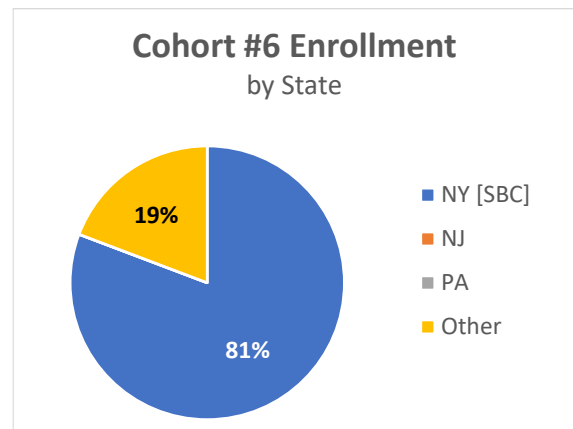
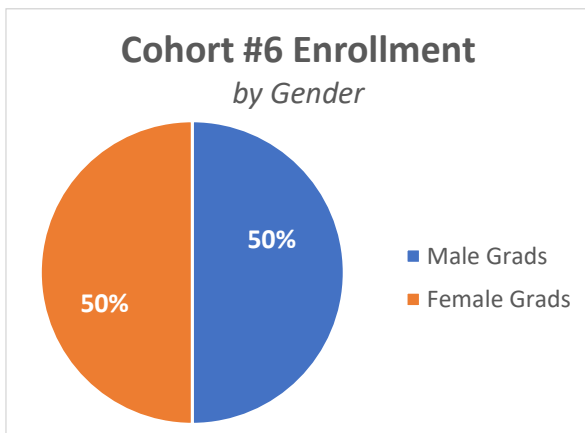
Of the 26 Graduates:

- Male..... 13 Candidates [50%]
- Female..... 13 Candidates [50%]
- Other..... 0 Candidates [0%]
- Non-Disclose..... 0 Candidates [0%]

Graduates by State:

Of the 26 Graduates:

- New York (NY)..... 21 Candidates [80.8%]
- New Jersey (NJ)..... 0 Candidates [0.0%]
- Pennsylvania (PA)..... 0 Candidates [0.0%]
- Other..... 5 Candidates [19.2%]

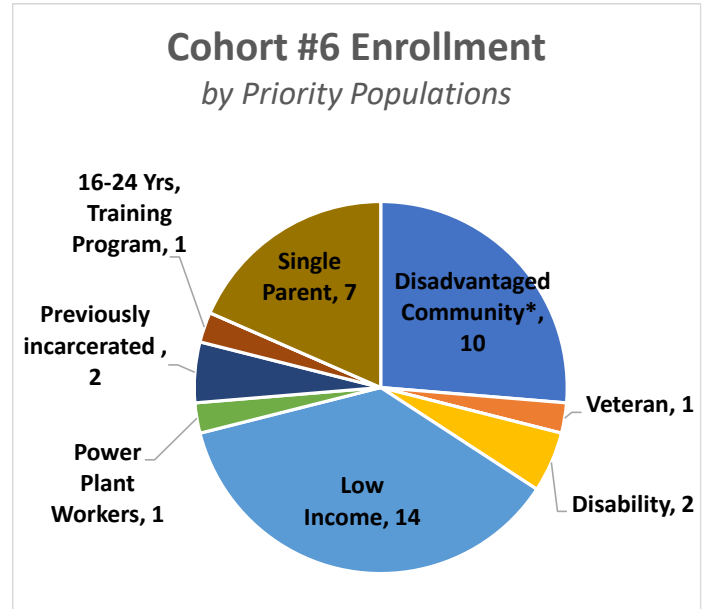


Graduates by Demographics [Check “All that apply”]:

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 26 Graduates:

- Disadvantaged Community... 10 Grads [38.5%]
- Low-Income.....14 Grads [53.8%]
- Homeless..... 0 Grads [0.0%]
- Veterans.....1 Grads [3.8%]
- Native Americans..... 0 Grads [0.0%]
- Disability..... 2 Grads [7.7%]
- Power Plant Workers..... 1 Grads [3.8%]
- Previously Incarcerated..... 2 Grads [7.7%]
- 18-24 Yrs. Old Recent Grads.... 1 Grads [3.8%]
- Single Parents..... 7 Grads [26.9%]



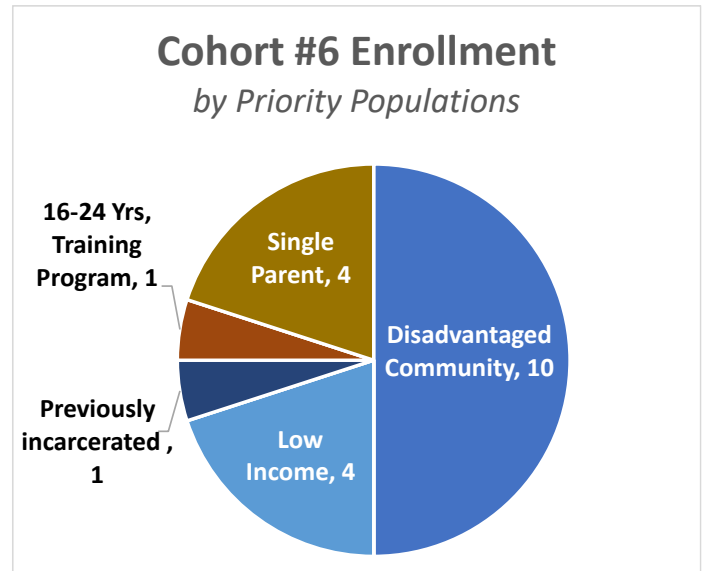
Graduates by Demographic [Only once per person]:

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

Of the 26 Graduates:

- Disadvantaged Community... 10 Grads [38.5%]
- Low-Income..... 4 Grads [15.4%]
- 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 [3.8%]
- Previously Incarcerated..... 1 Grads [3.8%]
- 18-24 Yrs. Old Recent Grads.... 1 Grads [3.8%]
- Single Parents..... 4 Grads [15.4%]

TOTAL # OF PRIORITY POPULATIONS & DISADVANTAGED COMMUNITIES 20 Grads [76.9%]



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 [02/28/22] and took place every Tuesday and Thursday evenings from 6:30pm-8:30pm, for 5 weeks, for a total of 10 sessions.

Participation: Of the 26 students who graduated:

- # of Accelerator Participants: 20 Grads [77%]
- # of Mock Interviews: 5 Grads [19.2%]



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 #6, Capstones began the week of 03/07/22, and ran for approximately 4 – 5 weeks.

Participation: Out of the 20 graduates that participated in the career accelerator:

- # of Capstone Lab Participants..... 9 Grads
- # of Capstone Project Participants..... 7 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..... 7 Certs
- EPA 608 3 Certs
- OSHA 10..... 0 Certs
- OSHA 30..... 0 Certs
- SST..... 0 Certs
- Total # Enrolled in Continuing Education..... 10 Certs

Career Services Outcomes:

Total # of Grads: 26 Grads

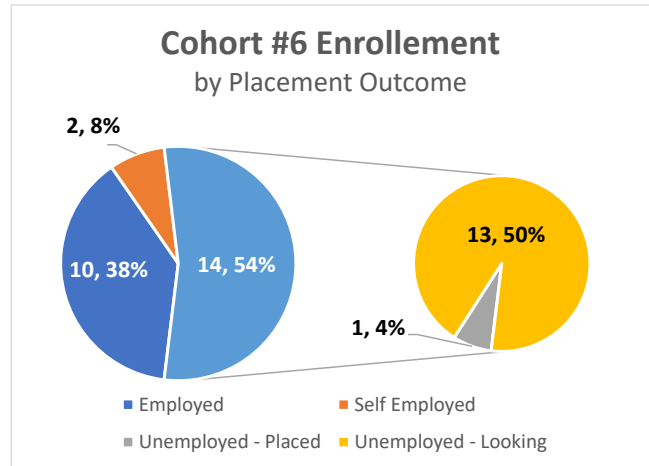
- **Total # of Placements**..... 1 Grads [3.8%]
- **Total # of Employment**..... 0 Grads [0.0%]
- **Total # of Promotions**..... 0 Grads [0.0%]

TOTAL # OF SUCCESSFUL OUTCOMES... 1 Grads [3.8%]

Total # of Grads – Unemployed: 11 Grads

- **Total # of Internships**..... 0 Grads [0.0%]
- **Total # of Part-Time Jobs**..... 0 Grads [0.0%]
- **Total # of Full-Time Jobs**..... 1 Grads [3.8%]
- **Total # of Apprenticeships**..... 0 Grads [0.0%]

TOTAL # OF SUCCESSFUL OUTCOMES... 1 Grads [3.8%]



Graduation:

Description: Participants will engage in a graduation ceremony where they each will receive a Certificate of Completion signed by Willdan and ConEdison program managers. The graduation will include several special guests and presenters; each of the presenters will share valuable insight with our students about the opportunities available to them in the clean energy industry and how they can find career success. In the past, students have been inspired by the encouragement they receive from these industry leaders. We have no doubt these participants will receive the same from the reminder that they are part of a large network of seasoned professionals.

Delivery: Friday 04/01/2021 from 6:30pm - 8:00pm

Invited Guest:

Notable Guest Speakers Invited:

- Gwendolyn Bluemich, NYSERDA,
- Shaun Hoyte, Con Edison SMB Program
- Ron Kamen, Earthkind Energy
- Ricky Dweck, Energy Conservation & Supply
- Gerard Mondesir, Willdan Energy Solutions
- Nixon Oyugi, Kawi Energy Group



Testimonials

Name of Student: Siddesh Patil

The Clean Energy Academy program is so uplifting in its own unique way and enlightens the students in very positive uplifting way. The way the program is design, the way the staff is trained in a professional manner to handle the students coming from different background is commendable job. I personally felt they are really doing a very good, making students feel confident about their skills and how to put forth them for advancing the respective careers. I feel they should really tie-up with universities, so that the students will be to introduced to huge number of opportunities for them after graduation.

- Siddesh Patil

WCEA Cohort #6 Graduate



Name of Student: Jennifer Alise Flanders

I completed the Clean Energy Academy: Air Pumps and HVAC systems training. I received my EPA 608 Universal. CEA provided me with having a better understanding of all of the systems for heating, cooling, and air pumps. I now have a clearer concept on how the systems work and their impact on the environment versus their efficiency.

- Jennifer Alise Flanders

WCEA Cohort #6 Graduate



Name of Student: Michael McCall

The Willdan Clean Energy Academy has given me an amazing opportunity and a fresh start in career opportunity and the confidence to achieve my goals.

- Michael McCall

WCEA Cohort #6 Graduate

