



## **Patrick A. Weller Volunteer and Non-Profit Services**

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### **Siemens Behavior Modification Program for the City of Hercules Teen Center**

In his role as the Local Government Channel Manager for Siemens Building Technologies, Patrick A. Weller developed a citywide energy and environmental program for the City of Hercules, California. As part of this program, Patrick spearheaded the development of a 2 million-dollar efficiency and solar photovoltaic initiative aimed at promoting sustainable practices within the city.

However, the city was facing challenges with Hmong gang problems and graffiti. Recognizing the importance of addressing these issues, Patrick secured funding from Siemens' Building Education program. He allocated over \$100,000 to a local non-profit organization to create programs that would engage the city's teenagers and encourage them to have more respect for themselves and their community.

Through these efforts, Patrick Weller played a pivotal role in fostering positive change within the City of Hercules, not only by implementing energy and environmental initiatives but also by addressing social issues and promoting a sense of pride and responsibility among the city's youth.

Read: **[City Manager Oliva Recommendation.](#)**

### **GREEN Technical Education & Employment, Executive Board of Directors**

Green Tech Executive Board of Director, 2015  
Sacramento, CA

#### **[About GREEN Technical Education & Employment](#)**

Green Tech's mission is to train and equip youth for career opportunities in clean energy, energy efficiency, and sustainable living strategies. Green Tech aims to introduce young individuals to careers and entrepreneurial ventures that minimize human impact on the environment.

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Green Tech is a dedicated organization that focuses on providing innovative workforce skills to youth and young adults in frontline communities. Their primary goal is to empower individuals with the necessary skills and knowledge to pursue career opportunities in sectors such as construction, manufacturing, utilities, transportation, and environmental management.

With a strong emphasis on environmental protection, justice, and economic development, Green Tech aims to give young people an eco-advantage, enabling them to make positive contributions to both the environment and their communities. Their unwavering commitment to this mission was recognized in 2014 when they were honored with the prestigious Non-Profit Environmentalist of the Year award.

Simeon Gant  
Executive Director  
GREEN Technical Education & Employment

## **Green Tech Green Building and Energy Efficiency Training Program**

sustainableSMARTS co-developed the Green Tech Green Building and Energy Efficiency Training Program, an intensive 12-week training program. It focused on developing skills in green building, energy analysis, weatherization, and solar technology. The program offered a specialized curriculum with classroom instruction and hands-on training. Participants earned OSHA standard certification and gained emerging energy efficiency career skills.

### About sustainableSMARTS

sustainableSMARTS, Patrick A. Weller owner, offered clean energy job training programs based on case study projects developed for the American Recovery and Reinvestment Act of 2009. sustainableSMARTS specialized in providing clean energy training and marketing programs for energy entrepreneurs, career professionals, and technology companies involved in the energy supply, distribution, and generation value chain. The Clean Energy Investments and Standards program catered to end-users, channel partners, and investors with varying levels of technological understanding.

Solano County Community Corrections Partnership (CCP)

Leaders in Community Alternatives (LCA) - Employment Skills Job Readiness Program, 2015

sustainableSMARTS provided the Employment Skills Job Readiness Program for solar installers as a comprehensive training program aimed at preparing individuals for successful careers in the field of solar installation. The program offered a well-rounded curriculum that covered essential skills and knowledge required for this specialized job role.

Participants received training in solar panel installation techniques, electrical wiring, safety protocols, system maintenance, and customer service. The program also focused on enhancing job readiness skills, such as communication, teamwork, and problem-solving. By completing this program, individuals were equipped with the necessary expertise and confidence to excel as solar installers and contribute to the growth of renewable energy.

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### Lead Agency

Center for Positive Change - Solano County Probation Department  
Leaders in Community Alternatives (LCA), Employment Skills Job Readiness Program  
Participants: 20

### MOU Partner

GREEN Technical Education & Employment, Sacramento, CA  
Executive Director, Simeon Gant

### Subrecipient Vocational Training Partner

sustainableSMARTS, Inc.  
Program: sustainableSMARTS Solar Installation Training

### About Solano County Community Corrections Partnership (CCP)

The Solano County Community Corrections Partnership (CCP) is a group dedicated to addressing issues related to the implementation of state legislation concerning adult criminal offenders. This includes the transfer of various public safety responsibilities from the state to local jurisdictions. The primary goal of the CCP is to decrease the rate of reoffending among adult offenders in the local criminal justice system.

Membership of the CCP is outlined in California Penal Code Section 1230 and is defined by the Community Corrections Performance Incentive Act of 2009 (SB 678). The members include the Chief Probation Officer (serving as the Chair), the Presiding Judge of the Superior Court or their representative, a County Supervisor or County Administrator, the District Attorney, the Public Defender, the Sheriff, the head of the Department of Social Services, the head of the County Department of Mental Health, the head of the County Department of Employment, the head of the County Alcohol and Substance Abuse programs, the County Superintendent of Education, a local chief of police, a representative from a community-based organization experienced in providing successful rehabilitative services to individuals convicted of criminal offenses, and an individual advocating for the interests of victims.

### Client Demographics

- Substance abuse histories
- Periods of homelessness
- Mental health histories often with multiple diagnosis
- Family, peers and environmental challenges
- Education levels, comprehension
- Lacking work experience, employable skills and references
- Criminal backgrounds

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## **Solano County Community Corrections Partnership (CCP) Leaders in Community Alternatives (LCA) - Green Construction Training Program for Ex-Offenders, 2015**

The Green Construction Training Program for Ex-Offenders program offered comprehensive training in various areas crucial for a successful career in the energy sector. Participants received instruction in essential topics such as OSHA 10 for Safety, Tool Identification, Energy Auditing, Weatherization, and Solar Installation. By covering these areas, individuals were equipped with the necessary skills and knowledge to excel in the field and contribute to a sustainable future.

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Participants: 20

### MOU Partner

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Executive Director, Simeon Gant

### Subrecipient Vocational Training Partner

sustainableSMARTS, Inc.  
Program: sustainableSMARTS Solar Installation Training

## **Solano County Community Corrections Partnership (CCP) Leaders in Community Alternatives (LCA) - Re-Entry Pilot Project (Pre- Apprentice)**

The sustainableSMARTS Energy Audit Laboratory was an integral component of the Re-Entry Pilot Project (Pre-Apprentice), aimed at promoting efficiency and solar PV (photovoltaic) systems. This laboratory provided a dedicated space for participants to gain hands-on experience and practical training in conducting energy audits. Through the program, individuals learned essential skills related to assessing energy usage, identifying areas for improvement, and recommending energy-efficient solutions.

As a result of their training, sustainableSMARTS successfully completed a solar PV installation at St. Stephen CME Church. This installation not only showcased their newly acquired knowledge but also contributed to the adoption of renewable energy in the community. The Energy Audit Laboratory served as a valuable learning environment where participants developed the expertise needed to contribute to energy efficiency and the implementation of solar PV technology.

The program provided direct introduction and workforce training to disadvantaged and low-income youth aged 15-21 from Sacramento and Rancho Cordova.

Enrolled students learned the multi-craft core curriculum (MC3), which included the base principles of building trades, carpentry, electricity, and clean energy. The program introduced soft skills training, clean energy economy, solar (PV) technology, building energy efficiency, and waste conversion to energy.

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Upon completion of the intensive 13-week program, students were introduced to trade unions, apprentice programs, utility companies, internships, and small business and construction contractors for potential employment opportunities.

The Multi-Craft Core Curriculum included:

- General orientation to apprenticeship
- Introduction to the construction industry
- CPR and First Aid
- OSHA 10-hour safety certification
- Blueprint reading
- Applied mathematics for construction
- Identifying and preventing sexual harassment and discrimination
- History of the construction industry
- The heritage of the American worker
- Effective interview techniques
- Green construction techniques and standards.

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Program: sustainableSMARTS Energy Audit Lab

### **Guest Speaker Mentoring High School Students Gerber Junior/Senior High School**

8401 Gerber Rd, Sacramento, CA 95828

Patrick Weller, LEED AP, was a guest speaker at Gerber High School as part of Green Tech's ongoing efforts to provide career technical education and environmental protection awareness to youth and young adults in the Sacramento region. Alongside Dr. George Parrott, Weller discussed career opportunities as Engineers in construction and home improvement, enriching the classroom instruction on Green Construction principles, Transportation, Utilities, Manufacturing, and Environmental Management. Green Tech has successfully served 57 Middle School and High School students, with the support of over 15 College students.

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## **Drone Training Pilot Program Rockford, IL**

Patrick A. Weller initiated a Drone Training Pilot Program aimed at educating at-risk youth about the diverse applications of drones in business and their role in performing energy audits for efficiency and solar energy assessments. This program provides an opportunity for participants to learn about the latest advancements in drone technology and gain practical skills in operating drones for various purposes. By focusing on drone applications in energy audits, the program aimed to equip participants with the knowledge and expertise needed to contribute to sustainable practices and renewable energy initiatives.

## **Solar Module Cleaning Program Rockford, IL**

Patrick A. Weller implemented a program for Solar PV Module cleaning services, which involved providing on-the-job training and prevailing wages to a City of Rockford at-risk young adult. The training program focused on cleaning solar modules at an agricultural operation within the winery industry in California. During the program, the young adult gained valuable insights into the sustainable use of water and the utilization of solar PV for irrigation purposes. Emphasis was placed on the significance of maintaining clean modules to enhance system generation and maximize overall customer profitability. Through this hands-on experience, the young adult learned practical skills and developed an understanding of the critical role that module cleaning plays in optimizing solar energy systems.

## **General Order of the Divine Sol, Inc. NFP (DIVINE SOL) Rockford, IL**

General Order of the Divine Sol, Inc. NFP ("Divine Sol") is a not-for-profit, community-based organization providing Adult Education, Clean Energy Job Training, and Equitable Workforce Programs. We offer clean energy programs and services that foster sustainable conduct, investment grade process, life purpose fulfillment, and value creation.

Divine Sol's core curriculum and training services will have an immediate impact and improve the quality of life for our Rockford community. We empower program participants with the expertise to implement shovel ready, efficiency and renewable energy projects.