



12th Annual CCEC Forum: Webinar 8

August 12, 2021 | 2:00 - 3:00 pm

Preparing Workers to Build Back Cleaner



**My community.
My choice.**

Southern California
REGIONAL ENERGY NETWORK





Thank you to...

Our sponsors for making the forum possible!



Local Governments Empowering Our Communities





Thank you to...

Our promo partners for extending our reach!



ARCCA



CAPITAL REGION
CLIMATE READINESS
COLLABORATIVE



Center for
Sustainable
Energy®



CENTRAL
COAST
CLIMATE
COLLABORATIVE

Clean
Coalition



**Climate
Collaborative**
SAN DIEGO REGION



**Climate
Resolve**



DRAWDOWN
BAY AREA



ICLEI
Local Governments
for Sustainability
USA



**ISLAND
PRESS**



LOCAL GOVERNMENT
**SUSTAINABLE
ENERGY COALITION**



**Better Buildings
CHALLENGE**
U.S. DEPARTMENT OF ENERGY
LOS ANGELES



LARC



goes solar



ProspectSV



San Diego
Energy District



SAN DIEGO
GREEN
BUILDING
COUNCIL



SGVCOG
San Gabriel Valley Council of Governments



SJVCEO
Clean Energy Organization



SOMAH



Zoom Features

Microphone

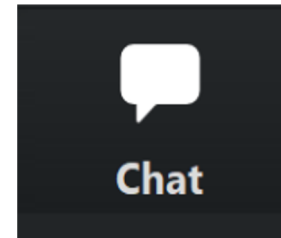
Keep yourself **muted** so that we can hear our speakers clearly



Chat

Communicate with other participants or reach out to LGC staff if you encounter technical issues.

Submit your questions in the chat!





Meet our Speakers!



Moderator
Jordan Garbayo
Program Manager,
Tri-County Regional
Energy Network



Ian Logan
Sustainability Program
Specialist,
Tri-County Regional
Energy Network



Wendy Angel
Program Director,
Emerald City Los
Angeles



Jennifer Green
Manager of Customer
Programs,
MCE Clean Energy

Advancing Energy Efficiency by Supporting Building Professionals in the Tri-County Region



August 12, 2021



3C-REN: Tri-County Regional Energy Network

- Three counties working together to improve energy efficiency in the region
- Services for –
 - **Building Professionals:** industry events, training, and energy code compliance support
 - **Households:** free and discounted home upgrades



Bringing ratepayer dollars back to our communities

- Investing in local communities
- Strengthening our economy
- Building a robust workforce
- Creating a market for energy efficiency
- Supporting state climate goals





ENERGY
CODE
CONNECT



BUILDING
PERFORMANCE
TRAINING



HOME
ENERGY
SAVINGS





BUILDING PERFORMANCE TRAINING

- Serves current and prospective building professionals
- Expert instruction:
 - **Technical skills**
 - **Soft skills**
- Helps workers to thrive in an evolving industry

- For designers, contractors, building & safety staff, realtors and more
- Offers learning units & certifications
- Topics: building science, energy code, decarbonizing technologies, Passive House and more

Highlights since April 2019:



125 free events held



1,200+ individuals trained



2,500+ total event attendees



**BUILDING
PERFORMANCE
TRAINING**

Future Outlook

- Career Pathways
- High Performance Fundamentals
- Training Accessibility
- On-Site, Hand-On Learning





- Serves all building professionals
- Three distinct services –
 - **Energy Code Coach**
 - **Training and Support**
 - **Regional Forums**
- Makes the Energy Code easy to follow

- Online, phone and in-field support available
- Review of plans and forms
- Specific code citations and resources provided

Hot code topics since Dec 2019:



14 on compliance documents



10 on ADU requirements



10 on PV requirements



100+ questions answered



Future Outlook

- Continued Partnerships
 - ECA, CalCERTS, CABEC, and Others
- Integrated Design and HERS Rating/Commissioning
- Roaming Energy Code Coach
- Reach Code Support





Get Involved!

Visit 3C-REN.org

For questions:
info@3C-REN.org



TRI-COUNTY REGIONAL ENERGY NETWORK
SAN LUIS OBISPO • SANTA BARBARA • VENTURA

Workforce, Education & Training



Southern California REGIONAL ENERGY NETWORK



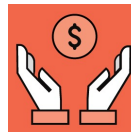
The County of Los Angeles/Southern California Regional Energy Network (SoCalREN) was created to harness the collective power of residents, businesses, and the public sector to achieve an unprecedented level of energy savings across Southern California.



**Public
Agencies**



Residential



Financing



WE&T

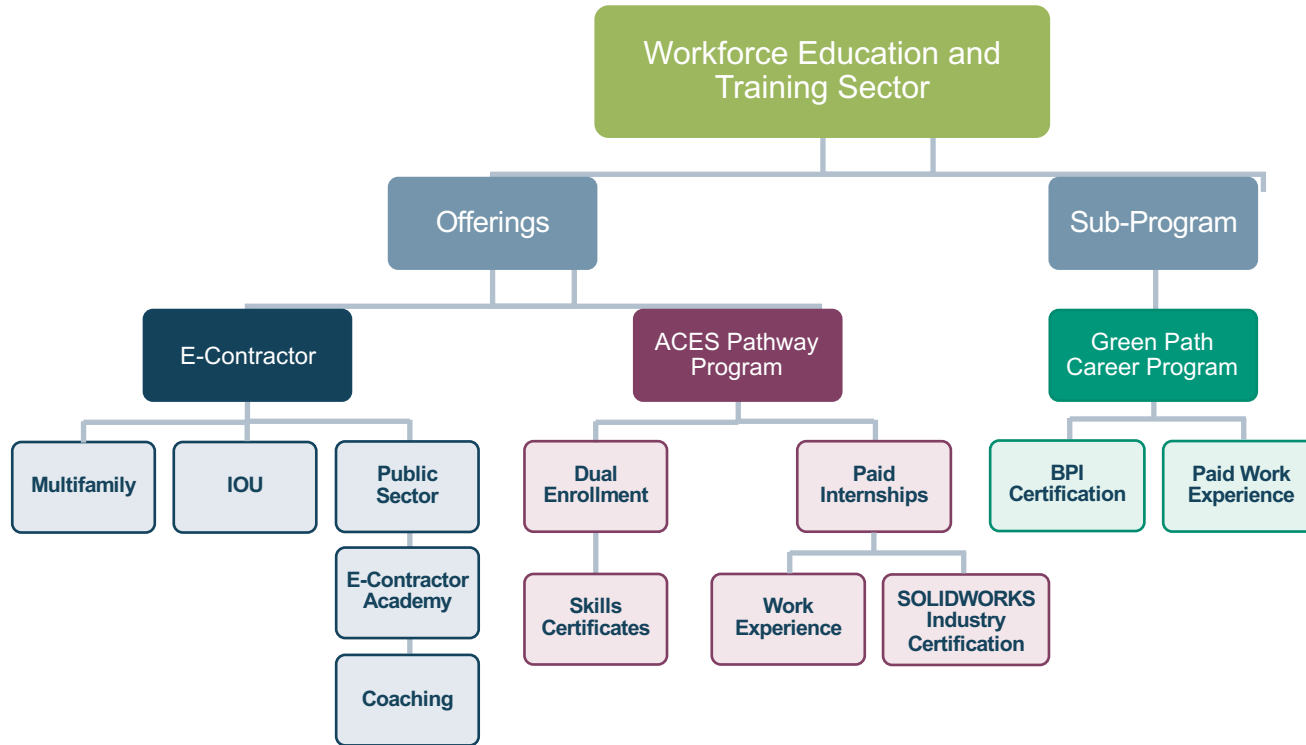
OBJECTIVES:

- Provide comprehensive solutions to Public Agencies and their surrounding communities.
- Build an effective, flexible, and collaborative program structure for local governments.
- Leverage external resources to provide services and resources beyond energy efficiency.
- Become a cost-efficient leader.

Learn more about the Southern California Regional Energy Network at socalren.org



WE&T Sector Program Structure



Green Path Careers





GREEN PATH CAREERS

→ Objective

The Green Path Careers (GPC) program's overarching objective is to help Transition Age Youth (TAY) work toward rewarding careers in the sustainable economy by teaching them skills required to succeed the high-growth energy efficiency industry.

This goal will be achieved through careful advance planning, the involvement of multiple stakeholders, and a process that ensures accountability, to ensure successful program implementation.

→ Market Segment:

- Former foster youth transitioning to independent living, homeless or at-risk youth.
- Ages 18-24

"Green jobs present tremendous opportunities for people who have the core skills and competencies needed in such well-paying and rapidly growing industries as energy efficiency (...)"

- Hilda Solis



Program Model



Training & Certification Offered

Bundled Training Package

- Building Analyst
- Infiltration and Duct Leakage
- Envelope Professional



**Energy
Auditor
Certified**

Post Career Possibilities:

Entry Level Positions	Entry-Level Salaries
<ul style="list-style-type: none">• Energy Auditor.• Project Manager, (Unspecified Type / General)• Energy Analyst.• Energy Efficiency Specialist.• Energy Advisor.	<ul style="list-style-type: none">• \$46,000• +2 yrs \$65,000

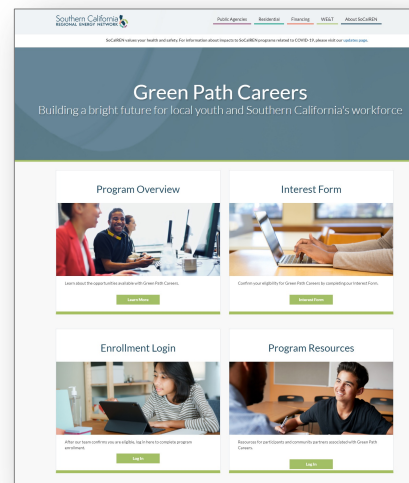


Marketing and Website



Overview flyers for potential collaborators and providers, and for participants interested in learning about the program and its requirements.

socalren.org/gpc



ACES Pathway Program





Objective:

To engage, expose and challenge students to explore architecture, engineering and construction careers by capitalizing on public works investment, community college STEAM course offerings and strong industry participation.

Goals:

- Facilitate community college enrollment in STEAM academic pathways, graduation and transfer rates.
- Expand access to transferrable college credit while in high school.
- Increase diversity of students entering the design and building industries.
- Provide introduction and pathway to union apprenticeship.



Program Model

1. Enrollment



Program and Community
College Dual Enrollment

2. Skill Certificates



Skills Certificate pipeline

1. Programming
2. Engineering Graphics and Design
3. Sustaining Energy

3. Training



4. Internships



Industry Certifications

- **SOLIDWORKS**
 - Essentials Course
 - Certified SOLIDWORKS Associate
 - Professional Course
 - Certified SOLIDWORKS Professional

<https://gou.teachable.com/>



Thank You



Wendy Angel

Emerald Cities Collaborative
WE&T Sector
wangel@emeraldcities.org





My community.
My choice.

Workforce Development at MCE



Jennifer Green
Manager of Customer Programs

MCE Roots



MCE started in
2010; first EE
program in 2017

- Local not-for-profit government agency
- Offers programs funded by MCE, CPUC, CEC, grants, etc.
- Strong ties to regulatory and government agencies from local to national
- Strong collaboration with the communities we serve

Sustainable Workforce and Diversity Policy



- All of MCE's local projects include prevailing wage and 50% local hire requirements
- Supplier diversity efforts to support engagement with minority, women, disabled-veteran, and LGBTQ businesses
- Purchasing and contracting with businesses located in MCE's service area

Approved by
MCE's Board
in 2017

Workforce Education & Training Program



sei BUILDING LEADERS FOR A
RESILIENT WORLD

AE ASSOCIATION FOR
ENERGY
AFFORDABILITY INC.

Workforce Partnerships

Rising Sun Center for Opportunity

Training for installation work on MCE's Energy Storage Program

GRID Alternatives and Marin Community Foundation

Solar installation training for disadvantaged communities



MCE and RichmondBUILD partnered to train and employ workers for the MCE Solar One project completed in 2018.



Thank You

Jennifer Green
Manager of Customer Programs
jgreen@mceCleanEnergy.org





Thanks again to...

Our sponsors for making the forum possible!



Local Governments Empowering Our Communities





Upcoming Events



12th Annual California Climate & Energy Forum

Transforming Tomorrow Together

August 3 - 19, 2021

Post-Session Survey:

bit.ly/CCEC-Post-Session-Survey

WEEK 3

- **8/17 Webinar 9:**
Planning for Energy Reliability Solutions That Do More Than Keep the Lights On
- **8/17 Lunch 5:**
Local Government Electrification: Opportunities and Challenges
- **8/17 Webinar 10:**
Speeding Decarbonization Efforts with Reach Code Development Tools
- **8/18 Lunch 6:**
The State of Local Climate Planning – a Needed Evolution

To view the entire program visit eecoordinator.info/forum-program/