# CA LMCC/IBEW-NECA Grants and Partnerships

# CA LMCC/IBEW-NECA Labor Management Cooperation Committee for the International Brotherhood of Electrical Workers and the National Electrical Contractors Association

# Department of Labor
# Employment Training Administration

To promote effective, energy-efficient lighting for commercial applications

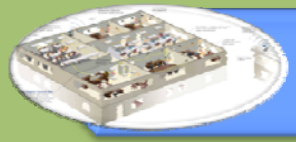
## Grant Funded Partners

- **CA LMCC/IBEW-NECA**
- **Community Colleges Chancellor's Office**
- **ICF International**
- **California Lighting Technology Center - UC Davis**

# CALCTP Partners

California Energy Commission

Southern California Edison


Pacific Gas & Electric

Sempra (San Diego Gas & Electric)

Sacramento Municipal Utility District

National Electrical Manufacturers Association

Workforce Investment Boards

Community-Based Organizations

# *Pre-Retrofit: 175W Metal Halide*

CLTC Project at U.C. Davis

- Average 205 Watts per fixture / 898 kWh per year per fixture
- 10,250 Watts for parking lot with 50 fixtures / **44,895 kWh per year**

# *Post-Retrofit: Bi-level Smart LED Fixtures*

- Average 42 Watts per fixture  /  182 kWh per year per fixture
- 2,075 W for a parling lot with 50 fixtures  /  **<u>9,090 kWh per year</u>**

# CALCTP

## Existing JATC Training Sites

- Fresno
- Santa Barbara
- Ventura
- Orange
- Riverside
- Los Angeles
- San Diego
- Sacramento
- Contra Costa
- Alameda/San Joaquin
- San Mateo
- Santa Clara
- Santa Cruz/Monterey/San Benito
- San Luis Obispo

# CALCTP

## JATCs Expansion Training Sites

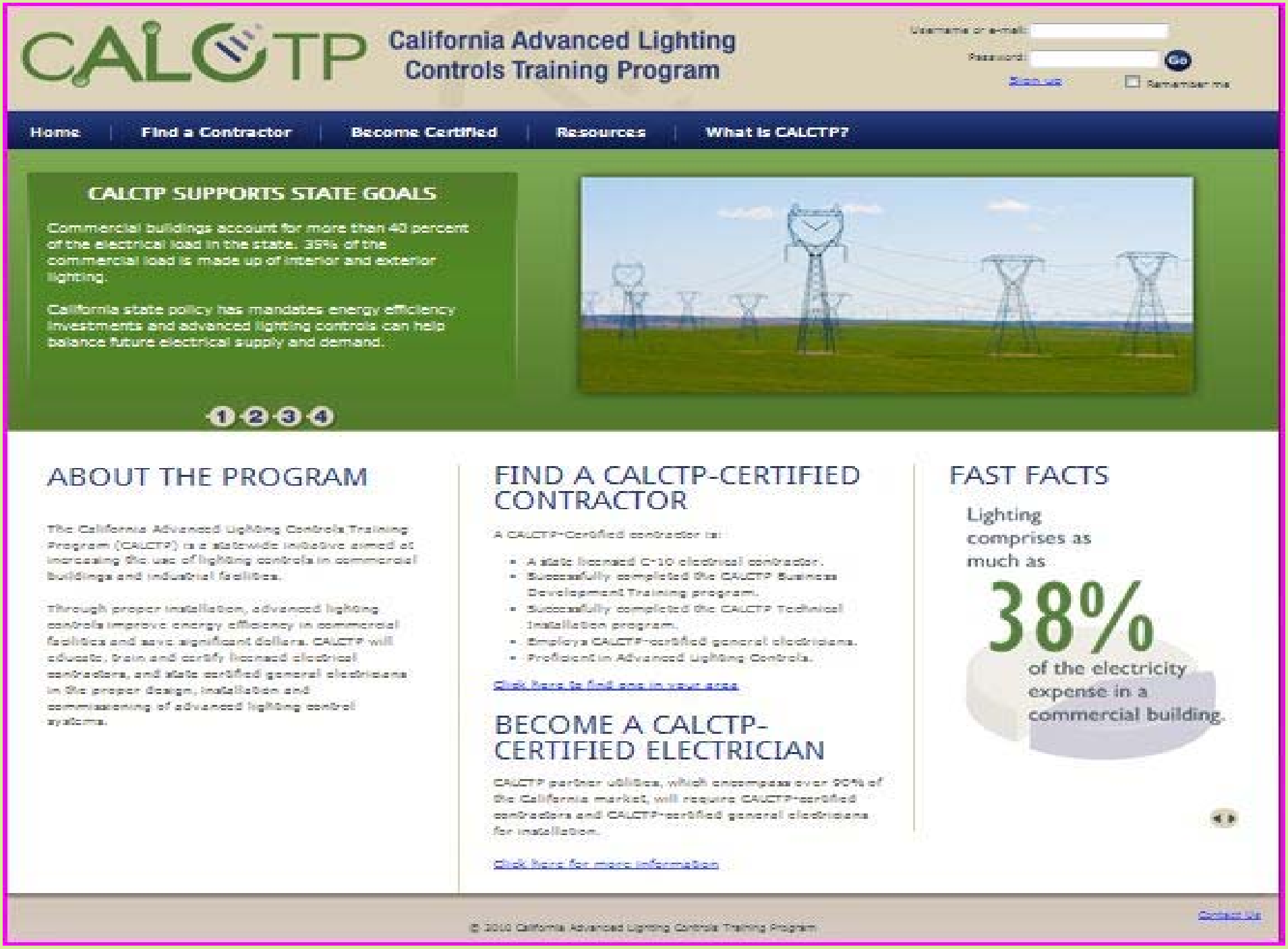
- San Francisco
- Napa/Solano
- Redwood Empire
- Modesto
- Kern County
- Bakersfield
- North Hollywood

## ATTE Expansion Training Sites

- Sacramento City College
- West Valley College
- Cerritos College
- College of the Desert
- Miramar College
- Long Beach City College
- Rio Hondo College

# CALCTP

| | |
|---|---|
| Grant required existing training program that could be expanded: | • Train **2,192** additional State Certified General Electricians. |
| 30 CALCTP-certified Instructors. | • Train **60** additional Instructors. |
| 14 JATC training sites. | • Expand to 6 JATC electrical training centers and 6 ATTE campuses. |
| Expand training capacity at new training sites. | • Provide **66** Lab Training Boards to JATCs and ATTE campuses. |
| Expand industry awareness of training . | • Website portals for CALCTP contractors, electricians and instructors. |
| Expand public knowledge of energy savings. | • Website information/resources for partners customers and general public. |

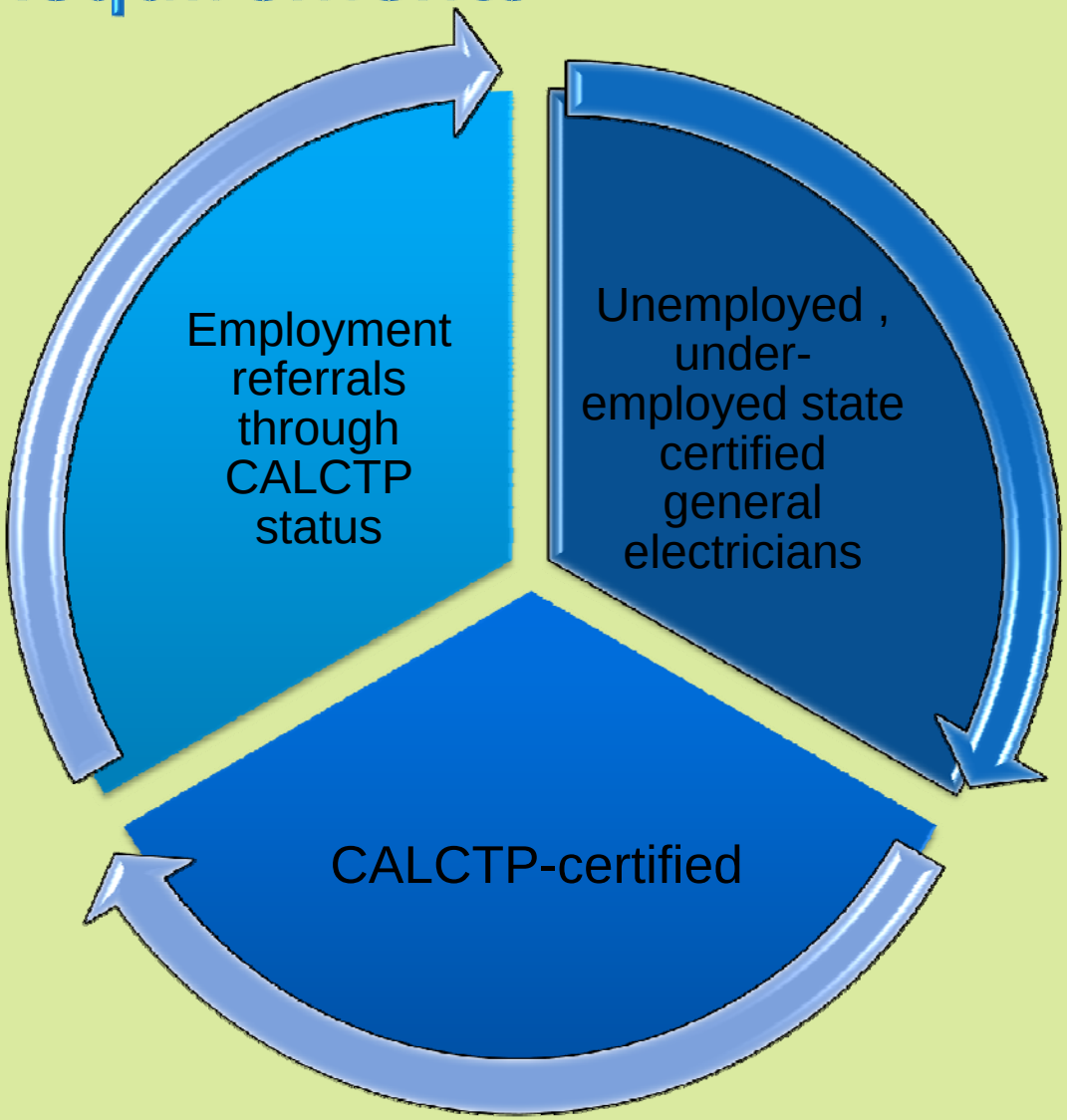



http://www.calctp.org

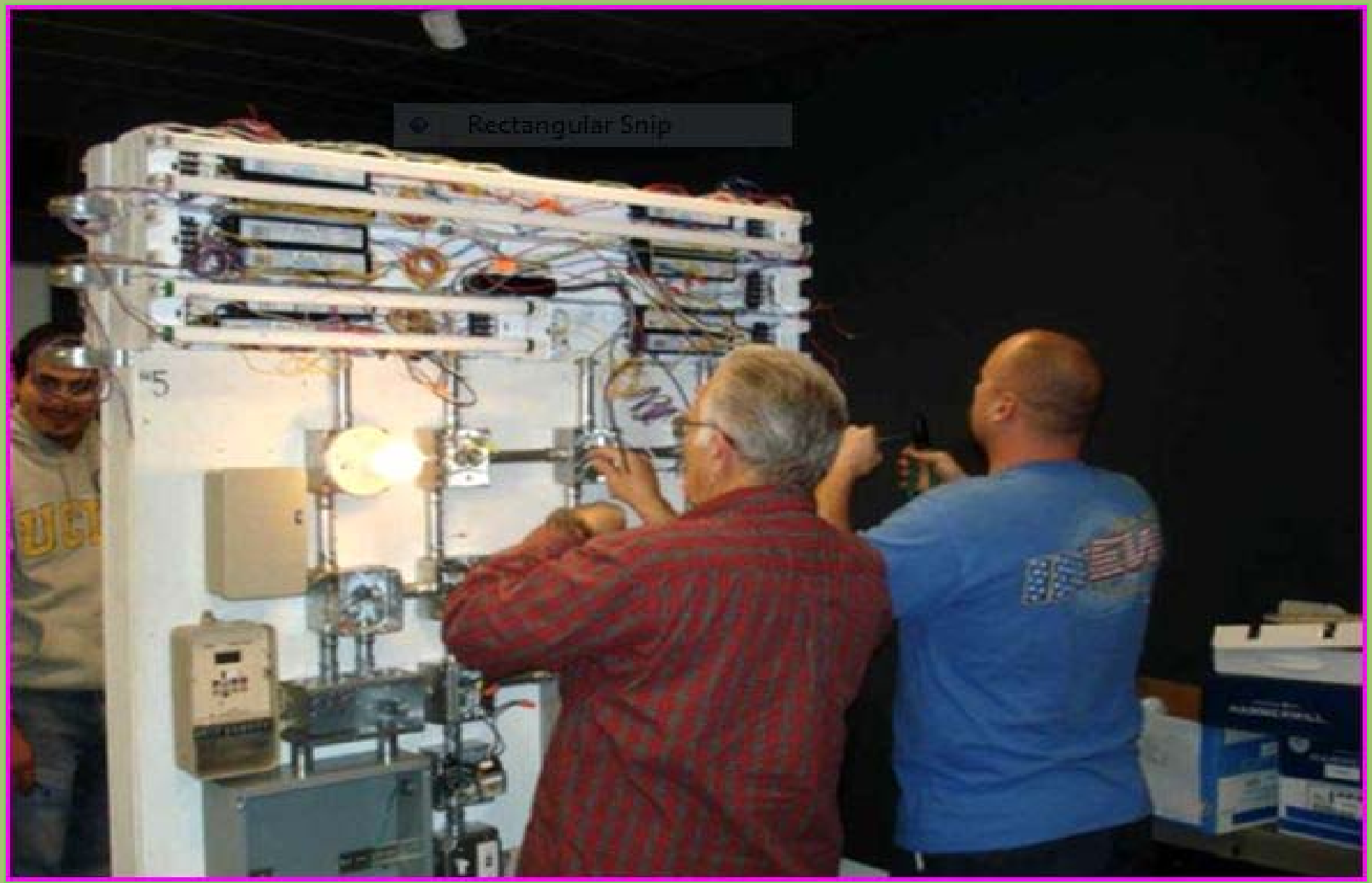
# CALCTP

## Training Requirements

- Pre-Qualification coursework & certificate required via online partnership
- **50** Hours of CALCTP Lecture and Lab Training
- One Instructor per **10** Students for Lectures
- One Instructor per **5** Students for Labs



# CALCTP Train-the-Trainer



# Department of Energy

DE-FOA-0000078 Solar Market Transformation: Solar Workforce Development:

Solar PV/Solar Thermal Installer **INSTRUCTOR** Training

Nationwide Solar Instructor Training Network Providers

Nine national consortium training providers awarded.

Community College Chancellor's Office is the grant lead.

# Solar Instructor Training Network

PROJECT PI, CO-LEAD
and FISCAL AGENT

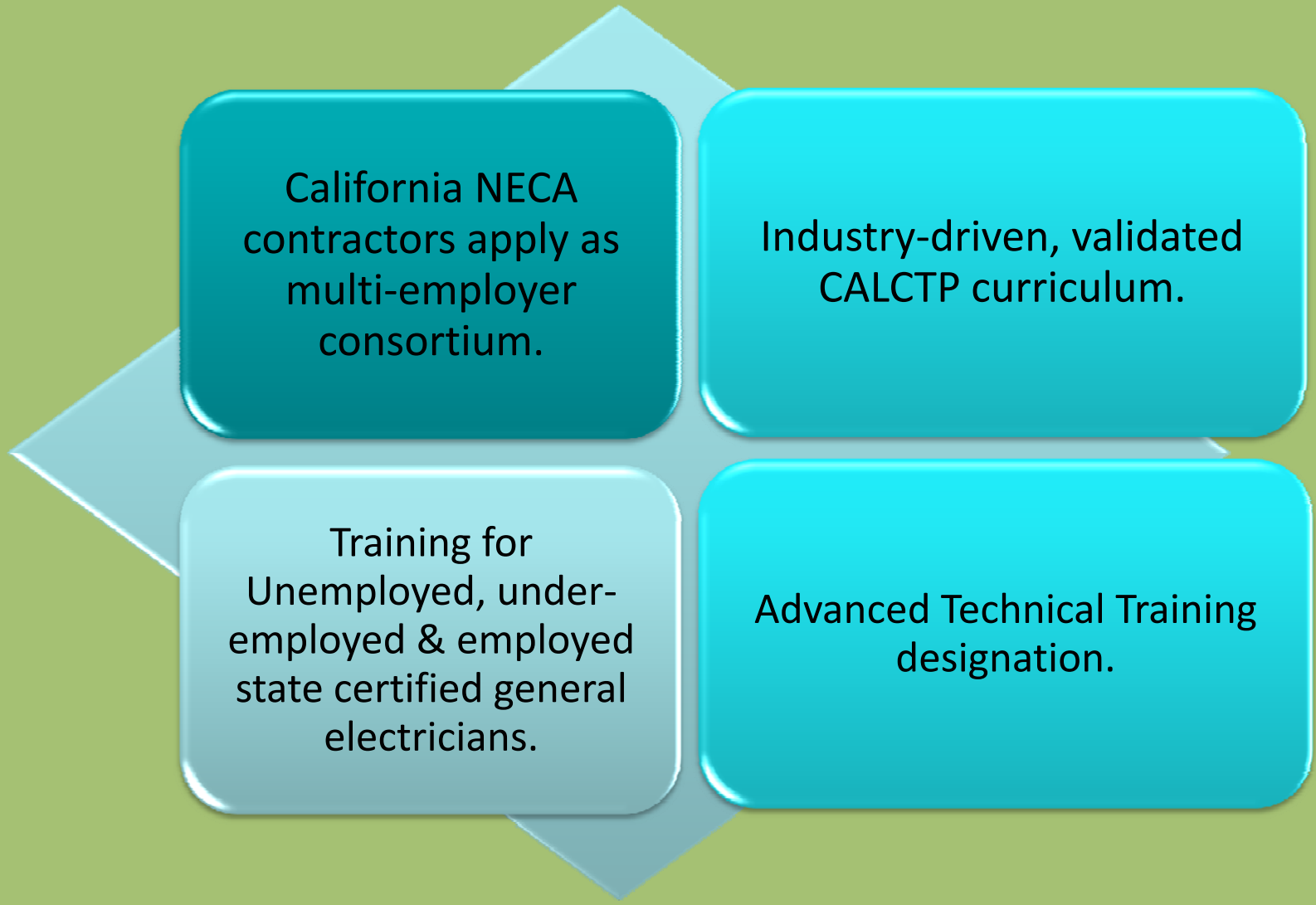
KEY PROJECT PARTNER AND
UNDERWRITER

PROJECT CO-LEADER & SUBCONTRACTOR

SHC SPECIALTY SUBCONTRACTOR

PARTNER & SUBCONTRACTOR

# Clean Energy Workforce Training Partnerships: Employment Training Panel



# NECA IBEW WORKING TOGETHER

Thirty grant applications as lead applicant, partner, and/or stakeholder

Green Jobs Corp

Energy Efficient Building Systems:

E-RIC Hub

Clean Energy Workforce Training Partnerships

Veteran Employment Assistance Program

Smart Grid Workforce Development

Municipal & Commercial Building Targeted Measure Retrofit

Alternative and Renewable Fuel and Vehicle Technology

# CA LMCC/IBEW-NECA Labor Management Cooperation Committee for the International Brotherhood of Electrical Workers and the National Electrical Contractors Association