

Energy Technology
Assistance Program (ETAP)

Workforce Development Program

September 28, 2010

E N E R G Y  S O L U T I O N S

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ETAP Overview

- ARRA /SEP-funded program
- Municipal energy efficiency retrofits
 - 21+ local government agencies participating
- Targeting three emerging technologies
 - Bi-level lighting for parking garages and parking lots
 - Wireless lighting controls
 - Wireless HVAC controls

ETAP Goals

- Energy savings goals:
 - 17.6 million kWh/yr
 - 61,7000 therms/yr
 - 1.7 MW demand reduction
- Help prepare the retrofit market so projects continue to be installed after ETAP is complete
 - Prove efficacy of targeted technologies
 - Increase demand for future retrofits
 - Train workforce to deliver retrofits

ETAP Program Areas

- Technical Services
- Financial Incentives
- Case Studies

**Increase demand
for retrofits
(i.e. demand for
workers)**

- Local Government Technology Seminars
- Wireless Controls Installer Trainings
 - HVAC controls
 - Lighting controls
- ETAP Internship

**Increase pool of
qualified workers**

Local Government Technology Seminars

- Six seminars over course of program
- **Participants:** local government staff and participants in Green Jobs Training programs
- **Goals:**
 - Inform participants about ETAP retrofit measures and technical services
 - Provide opportunity for interested participants to network with agencies that have completed retrofits
 - Review O&M best-practices with building operators
- **Partners:** local government partners, equipment manufactures

Wireless Controls Installer Trainings:

HVAC Controls

- Two trainings within 6 months of program start
- **Participants:** qualified electricians and electrical contractors
- **Goals:**
 - Train 20 electricians to install Federspiel Controls' DART system
 - Provide pool of qualified contractors to install ETAP projects
- **Partners:** Federspiel Controls

Wireless Controls Installer Trainings:

Lighting Controls

- Four CALCTP trainings within 6 months of program start
- **Participants:** licensed C-10 electrical contractors and state certified general electricians
- **Goals:**
 - Update CALCTP curriculum
 - Train 40 electricians using the updated curriculum
 - Provide pool of qualified contractors to install ETAP projects
- **Partners:** CALCTP, California Advanced Lighting Technology Center (CLTC)

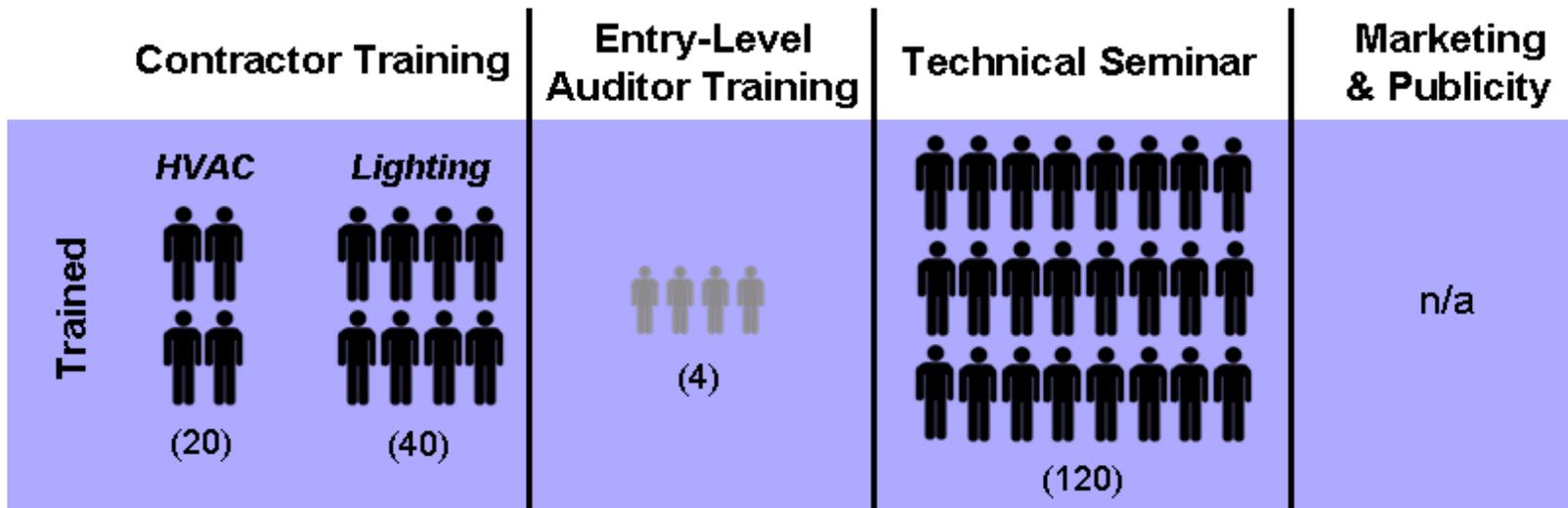
ETAP Internships

- Program duration ~ 1 year
- **Participants:** current energy program students/trainees from Laney College, Los Rios Community College District, and Workforce Institute
- **Goals:**
 - Provide interns with professional experience delivering audits, design recommendations, design review, and other services to clients
- **Partners:** Laney College, Los Rios Community College District, and Workforce Institute

Workforce Development Goals

 = 5 People
 = 1 Person

Workforce Development & Job Creation



**184 +
people
trained**

Additional Slides

ETAP Agencies (9/28/10)

Cities

Berkeley

Davis

Irvine

Milpitas

Oakland

Pleasanton

Richmond

Sacramento

Salinas

San Francisco

Santa Cruz

Visalia

Walnut Creek

Counties

Alameda

Contra Costa

Sacramento

San Mateo

Special Districts

Alameda-Contra Costa Transit District (AC Transit)

Bay Area Rapid Transit District (BART)

Sacramento County Airport System

Sacramento Municipal Utility District (SMUD)

ETAP Partners

- Local Government Commission
- Association of Bay Area Governments
- Southern California Association of Governments
- California Lighting Technology Center
- Acura Technologies
- Federspiel Controls
- California Labor Management Cooperation Committee/IBEW-NECA
- Laney College
- Workforce Institute/San Jose-evergreen Community College District
- Los Rios Community College District