



**California Advanced Lighting Controls Training Program
(CALCTP)
Presentation to the California Workforce Investment Board
Green Collar Jobs Council**

March 2010



ICF and Green Workforce Development

Quick Facts about ICF

- Incorporated 1969 as the Inner City Fund (ICF)
- Over 3,500 employees in 50 offices, including 700 throughout California
- Experts in:
 - Renewable energy and energy efficiency
 - Technical assistance, workforce training, and community capacity building
 - Community and economic development, including green jobs, community development, and environmental planning
 - Programs to support opportunities for disadvantaged populations
- Subgrantee on three new USDOL green job grants – including a \$5M effort in California to train 2200 electricians in the installation of advanced lighting controls statewide
- Subgrantee for Green/Clean Skills training program funded through the California Employment Training Panel; tracking and reporting training, placement, and retention of electricians in the installation of advanced lighting controls
- Extensive labor-related work for states/localities -including development of an Online Work Readiness Assessment (OWRA) tool for low-income populations, and performance measurement and reporting support for all USDOL job training programs

ICF and Green Workforce Development

Creating Green Jobs for Economic Recovery

- Mapping the supply of green job trainees with the demand for employees: USDOL, DOE, and other agencies are ramping up green job training. How can these training investments be targeted towards the places where green jobs growth is the strongest?
- ICF helps state agencies bridge the gaps between workforce development, economic/community development, and human services programs
- ICF is creating national-scale “game-changing” green workforce development programs working with labor unions, community colleges and others to establish national training programs driven by energy efficiency and the Smart Grid.
 - Strategic planning and labor market assessments
 - Designing and implementing grant programs
 - Curricula development and certifications
 - Partnering to implement training programs
 - Reviewing and evaluating training program results

Green Jobs Background

- American Recovery and Reinvestment Act (ARRA) provided \$500 million for implementation of the Green Jobs Act
- Grants were competed and awarded in 2009 and early 2010 and are currently in early stages of implementation
 - \$55 million for labor market information/30 grants to individual states or state consortia
 - \$100 million for Energy Training Partnerships/25 grants to labor unions, community-based organizations, educational institutions
 - \$150 million for Pathways Out of Poverty/38 grants to community-based, state and local government, educational institutions and other organizations
 - \$190 million for State Energy Sector Partnerships/34 grants to state labor departments to coordinate sector-based training initiatives

ICF Green Jobs Portfolio

- **Mid-Atlantic Regional Collaborative (MARC)**
 - Cross-regional coalition committed to enhancing the economic vitality of the District of Columbia, Maryland, and Virginia during Base Realignment and Closure (BRAC) activities
 - Conduct innovative LMI activities that will support the strategic and systematic expansion of a region-wide green economy
- **National Association of Regional Councils (NARC)**
 - To provide multi-faceted career path strategies for disadvantaged and dislocated workers in four regional sites across the country through training, certification and apprenticeship programs in positions in growing green industries
 - Focusing on the following industries: Building Performance; HVAC; Energy-Efficient Building, Construction and Retrofit; Renewable Electric Power (i.e. solar thermal and photovoltaic and wind energy); Deconstruction and Materials Reuse
- **California Advanced Lighting Controls Training Program (CALCTP)**

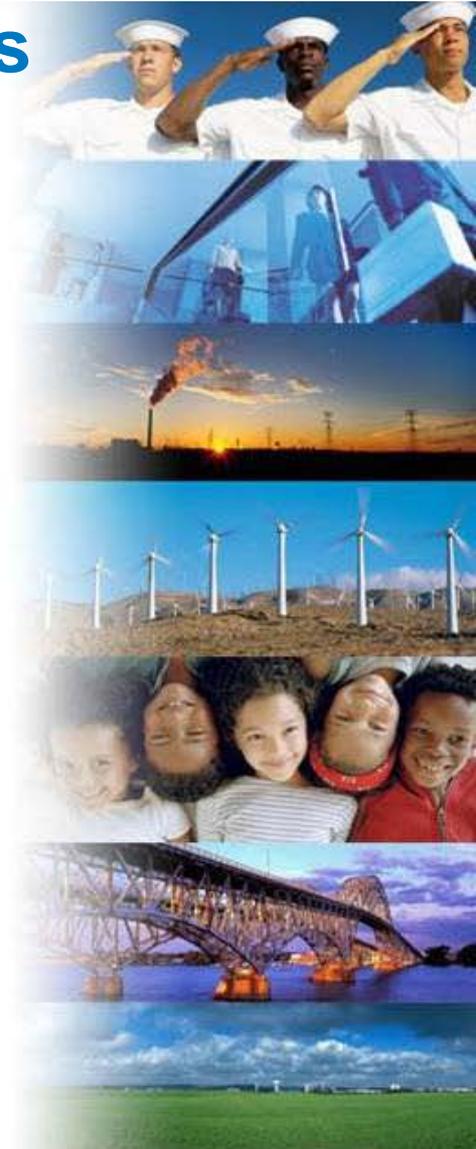
CALCTP Project Description

- Based on a pilot jointly operated by IBEW/NECA, the California investor-owned and municipal utilities, and UC-Davis
- Will train unemployed and underemployed electricians in the installation, commissioning, and maintenance of advanced lighting controls (ALC) in order to create green jobs and capture a substantial untapped source of energy savings and peak-demand reduction
- Will expand use of ALC training curricula across 20 of the IBEW/NECA's 23 Joint Apprenticeship Training Committees (JATC) Electrical Training Centers and up to 6 California Community College campuses
- 13 Workforce Investment Boards will assist with referrals to the CALCTP and create access to One-Stop system resources

CALCTP Key Objectives and Outcomes

- Objectives – (1) Standardize and update the ALC training curriculum; (2) Validate the design and manufacture ALC training boards and ship to all participating training centers and community colleges; (3) Train, support, and track certified electricians.

- Outcomes
 - 9,500 electricians will be informed of the program;
 - 2,292 individuals will enroll in the program;
 - 2,082 will complete training;
 - 1,562 will receive certificates.



Major CALCTP Project Tasks

- Build ALC Training Boards
- Create Multi-Use Online CALCTP Network/Community of Practice
- Marketing of program to electricians
- Technical Assistance for JATCs and Community College training centers
- Train-the-Trainer Programs
- Training of journey-level electricians in ALC
- Curriculum Development and Ongoing Quality Assurance/Standardization



Growing CALCTP Through Internal and External Partnerships

- Since ICF is assisting with implementation of labor market information, Pathways Out of Poverty, and Energy Training Partnership Green Job grants, there will be significant sharing of information, insights and strategies across the grants
- Cross-disciplinary coordination will be critical to success. ICF will draw heavily on its renewable energy, energy efficiency, workforce development and human services practices to support implementation of CALCTP and other green training grants
- CALCTP application had strong support from the California Energy Commission, local Workforce Investment Boards, and the community college system. We will be seeking to translate these commitments into mutual referral and knowledge-sharing networks

Other Relevant Projects

- Online Work Readiness Assessment (OWRA)
- O*NET Work Importance Profiler User's Guide
- Texas Industry Cluster Initiative: Petroleum Refining and Chemical Products and Energy

Sustaining Success

- Concerns about the economic viability of green job training programs in a slack job market. CALCTP is different.
- CALCTP is driven by existing market demands
 - Environmental concerns and regulation constrain energy production and consumption.
 - Need to manage peak demand and reduce costs of commercial lighting which is currently 40 percent of California electrical energy usage.
 - Ability to deploy advanced lighting controls is limited mostly by a shortage of trained personnel. CALCTP fills that gap

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