

BEFORE THE PUBLIC UTILITY COMMISSION OF THE STATE OF CALIFORNIA

Application of Southern California Edison Co.
(U338E) for approval of its 2009 – 2011
Energy Efficiency Program Plans and
Associated Public Goods Charge (PGC) and
Procurement Requests

Application 08-07-021
(Filed July 21, 2008)

Application 08-07-022
Application 08-07-023
Application 08-07-031

And Related Matters

Application for Pacific Gas and Electric Co.
For Approval of the 2009 – 2011 Low Income
Energy Efficiency and California Alternate
Rates for Energy Programs and Budget
(U39M)

(NOT CONSOLIDATED)

Application 08-05-022
(Filed May 15, 2008)

Application 08-05-024
Application 08-05-025
Application 08-05-026

And Related Matters

All PARTY MEETING – MARCH 16, 2009

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IQ
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JOINT COMMITTEE ON ENERGY AND ENVIRONMENTAL POLICY



The Joint Committee on Energy Efficiency and Environmental Policy is a joint Labor/Management initiative created by California Sheet Metal and Air Conditioning Contractors Association (SMACNA) and the representative of their unionized workforce the Sheet Metal Workers International Association.

Mission:

The Mission of the Joint Committee on Energy and Environmental Policy is to promote responsible environmental policy in the State of California and encourage efficient HVAC market transformation through collaboration with industry stakeholders and regulatory agencies.



Proposals for cross-agency or cross-program coordination to elevate impact of stimulus funds

Building Retrofits and Assuring Quality through Best Practices and Standards

The Challenge:

- Thirty percent of energy at peak demand times on hot summer days is consumed by air conditioning systems in buildings. (California Long Term Energy Efficiency Strategic Plan September 2008)
- Commercial buildings in the United States consume over 890 billion kWh, and sealing the ducts in these buildings could save up to 7 billion kWh of energy consumption. (NEMI – Assuring Best Practice Feb. 2009)
- Eliminating duct leakage airflows in just half of California’s existing large commercial buildings would potentially save between 560 and 1,100 GWh annually and about 100 to 200 MW during peak demand.

(LBNL Report 5160 - May 2003)



Key Actions Necessary for Verifiable Energy Savings and Job Creation through Responsible Providers

1. Workforce Training for Energy Efficiency – Apprenticeship Career Path to the Middle Class!

- In 2006, there were over 422,000 active participants in the United States Registered Apprenticeship system, 74% of which were in the construction trades. Nationally there are over 29,000 program sponsors representing approximately 250,000 employers who had invested an estimated \$2 billion in training more than 468,000 apprentices.
- Apprenticeship in the HVAC industry is a combination of on-the-job training and related classroom instruction in which workers learn the practical and theoretical aspects of a highly skilled occupation.



The U.S. Department of Labor lists the following advantages of apprenticeship:

- Leverage of over \$2 billion in private investment in education and training from program sponsors ; (Source: OA Estimate)
- A return of \$50 in federal and state tax revenue for every \$1 invested (Source: NASTAD Study)
- An employer return on investment (ROI) estimated between 300 and 1000% (Source: AART)
- Once completed their apprenticeship, participants earn an average of \$45,000 per year, and can earn up to \$60,000 (Source: OA)
- Has an 87% satisfaction rate by employers who highly recommend the model to their colleagues

(USDOL/ETA Presentation to Provide an Overview of Registered Apprenticeship, 2/10/09)



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2. Pre Qualification of Responsible Energy Efficiency Providers

- Require Providers to provide Family Health Coverage to their workforce
- Require Providers to be Sponsors of Qualified Apprentices Programs
- Require Providers to Hire Local (Through Established Local Hiring Halls)



3. Allocate Stimulus/Public Goods Funds – Proportionately to Energy Savings

- Thirty percent of the funds received from the ARR A and PGC funds be directed toward energy audits that include duct leak testing on existing commercial buildings, both public and private, and that these audits should determine consumption and efficiency levels;
- All residential weatherization programs include duct leak testing and sealing;
- Significant PGC/ARRA funds be offered to encourage building owners to retro commission and/or retrofit their buildings to 2008 Title 24 Energy Code standards;
- A proportionate share of the PGC/ARRA funds be directed towards retro commissioning and/or retrofitting public sector commercial buildings;