



California Public Utilities Commission Low Income Energy Efficiency Programs

Kelly A. Hymes

Advisor to Commissioner Dian M. Grueneich
California Public Utilities Commission



Overview: CPUC LIEE Program

- Background
- Services
- Accomplishments
- Successes
- Evaluation
- Next Steps



Background: CPUC LIEE Program

- Provides qualified low-income households with energy efficient appliances and weatherization measures at no cost to the participants.
- Established by statute in the CA Public Utilities Code
- Operated by PG&E, SCG, SDG&E, and SCE since the 1980's. Also operated by small and multi-jurisdictional utilities (SMJU) throughout the state.
- Funded by non low-income ratepayers through the Public Goods Charge on utility bills.
- Implemented by the utilities with CPUC oversight and input by Low Income Oversight Board (LIOB).



Background:

Low Income Oversight Board

- 2001 Legislation ordered the formation of the LIOB to provide the CPUC with advice on low-income electric and gas customer issues and serve as liaison to low-income ratepayers.
- The eleven-member LIOB consists of representatives of the public and utilities, and meets several times a year.
- Public Utilities Code requires the LIOB to assist the CPUC in conducting studies and coordinating outreach with other low-income programs.



Background: CPUC LIEE Program

- Serves customers at or below 200% of federal poverty guidelines for large investor owned utilities and two SMJUs and 175% for other SMJUs.
- Serves single family, multi-family and mobile homes – both owners and renters.
- Participants receive all feasible measures for which they qualify.



Services: CPUC LIEE Program

- Weatherization
- Energy Efficiency Measures
- Minor Home Repairs
- Energy Education
- Help customers reduce energy consumption, resulting in bill savings for participants.
- Many measures improve the comfort and safety of the Home.
- LIEE participants are automatically enrolled in California Alternate Rates for Energy (CARE) bill assistance program.



Services: LIEE Program Measures

Furnaces

- Repair - Gas
- Replacement - Gas
- Repair - Electric
- Replacement - Electric

Weatherization

- Caulking
- Door Weatherstripping
- Attic Access Weatherstripping
- Attic Insulation
- Minor Home Repairs
- Water Heater Blanket
- Water Heater Pipe Wrap

Water Heating Savings

- Low Flow Showerhead
- Faucet Aerators

Miscellaneous Measures

- Refrigerators
- Permanent Evaporative Coolers
- Portable Evaporative Coolers
- Compact Fluorescent Lights
- Compact Fluorescent Porch Lights

Infiltration & Space Conditioning

- Cover Plates/Gaskets
- Air Conditioner (Drop)
- HVAC Air Filter Replacement

Energy Education

- Outreach & Assessment
- In-Home Education
- Education Workshops

Landlord Rebate Pilots

- Refrigerators
- Air Conditioner Replacement - Room
- Air Conditioner Replacement - Central

Rapid Deployment Pilots (Initiated since 5/21/02)

- Air Conditioner Replacement - Room
- Air Conditioner Replacement - Central
- Duct Sealing and Repair
- Whole House Fans
- Water Heater Replacement - Gas
- Water Heater Replacement - Electric
- Set-back Thermostats
- Evaporative Cooler Maintenance



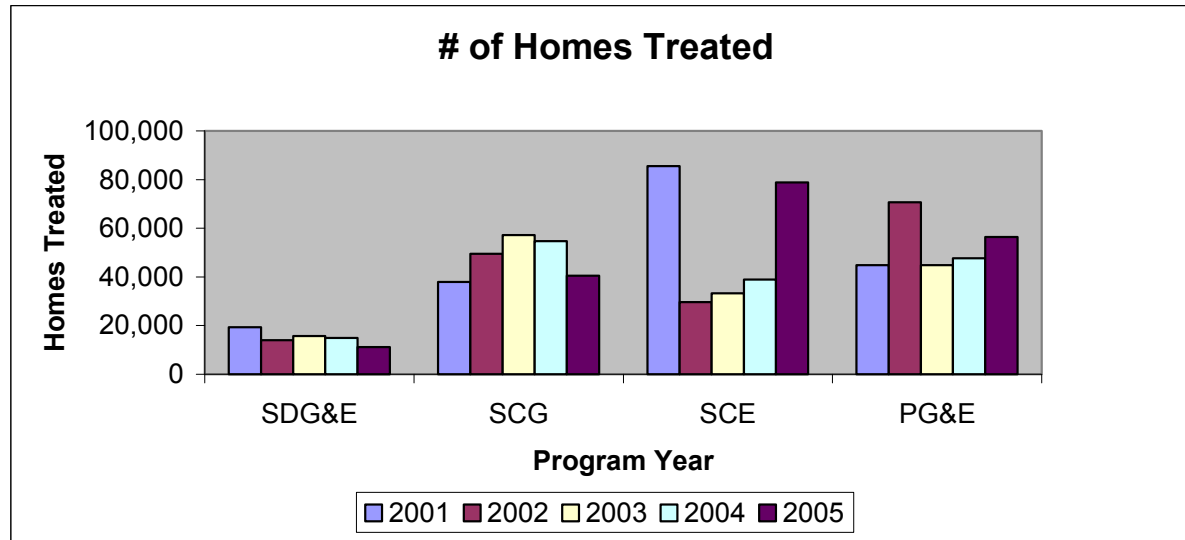
Accomplishments:

CPUC LIEE Program 2001-2005

- 845,855 homes treated
- \$573,570,220 expensed
- 233,414 MWh saved
- 10,928 MTherms saved

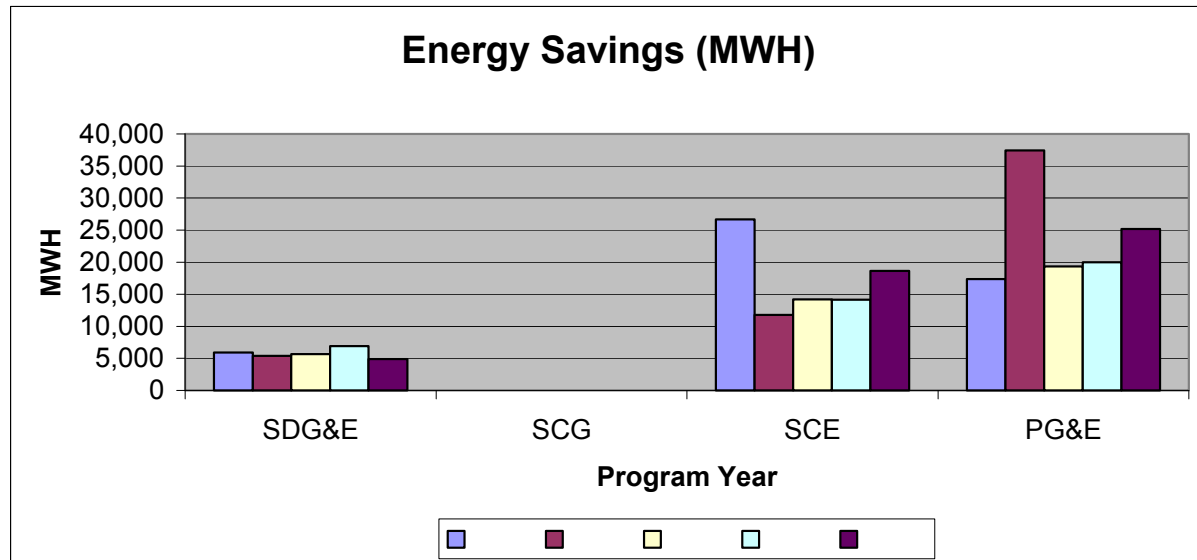
Accomplishments: Homes Treated 2001-2005

Year	SDG&E	SCG	SCE	PG&E	Total
2001	19,315	37,954	85,509	44,797	187,575
2002	14,089	49,464	29,685	70,683	163,921
2003	15,706	57,179	33,348	44,837	151,070
2004	14,897	54,677	38,996	47,702	156,272
2005	11,254	40,523	78,852	56,388	187,017
Total	75,261	239,797	266,390	264,407	845,855



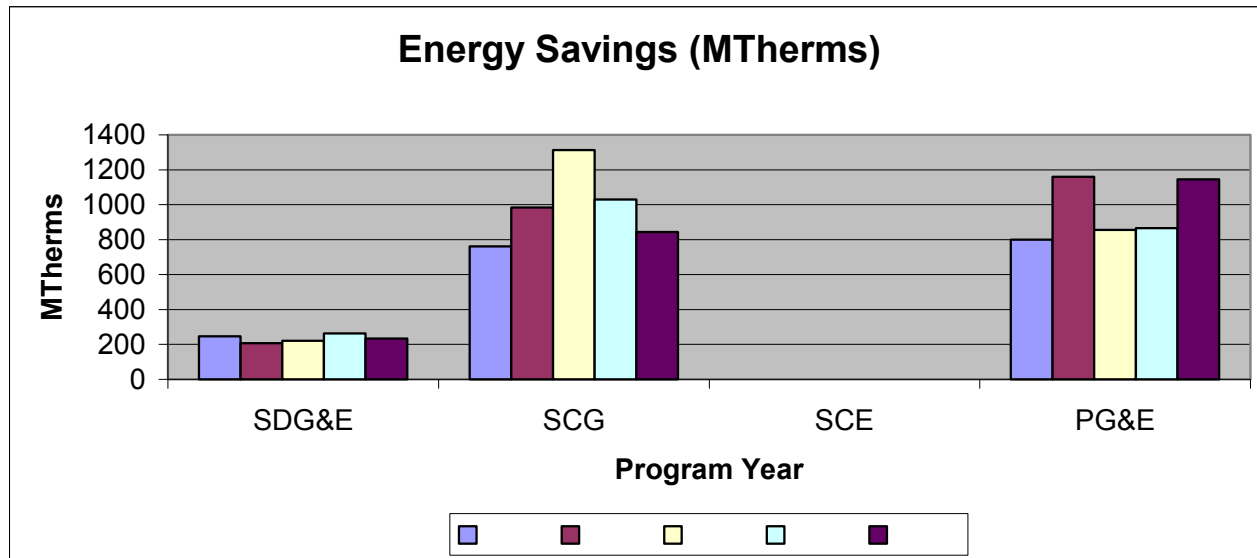
Accomplishments: Energy Savings 2001-2005

Year	SDG&E	SCG	SCE	PG&E	Total
2001	5,902	0	26,663	17,346	49,911
2002	5,402	0	11,795	37,409	54,606
2003	5,640	0	14,209	19,342	39,191
2004	6,887	0	14,138	19,974	40,999
2005	4,885	0	18,669	25,153	48,707
Total	28,716	0	85,474	119,224	233,414



Accomplishments: Energy Savings 2001-2005

Year	SDG&E	SCG	SCE	PG&E	Total
2001	247	762	0	799	1,808
2002	208	984	0	1,159	2,351
2003	220	1,312	0	855	2,387
2004	263	1,030	0	866	2,159
2005	234	844	0	1,145	2,223
Total	1,172	4,932	0	4,824	10,928





Successes: CPUC LIEE Programs

- Statewide coordination
- Comprehensive services
- Cooperation with local agencies and community-based organizations
- Leveraged with other utility programs
- Targeted outreach
- Rigorous education and training for LIEE contractors.
- Cost effectiveness is assessed at the program and measure levels, and include non-energy benefits.



Evaluation: CPUC LIEE Studies

- Impact Evaluation Study – determines the real energy savings in kilowatt hours or therms attributable to the LIEE measures. Submitted on a biannual basis.
- Needs Assessment – gathers information to determine what low-income customer energy needs exist and recommendations to meet those needs. Final report to be submitted in early 2007.



Next Steps: CPUC LIEE Program

- Implement program improvements and efficiencies so that more low income customers can be served.
- Improve outreach methods to reach and serve more eligible customers.
- Provide measures that maximize energy and bill savings benefits for low income customers.
- Improve coordination between LIEE and EE programs. “Everyone should be onboard the energy efficiency train.”
- Order Instituting Rulemaking to review programs and investigate broader policy issues – early 2007.



Low Income Energy Efficiency Symposium

Co-Sponsored by: US DOE, US EPA, CPUC, and CMUA

- Held in Los Angeles in June 2006
- Over 200 attendees: IOUs, Municipal Utilities, Community-Based Organizations, and State & Local Governments.
- Speakers from across the country including Vermont, D.C., and Oregon.
- First of many energy efficiency events sponsored by the Energy Efficiency Leadership Council.
- For copies of bios and presentations:
http://www.cpuc.ca.gov/static/energy/060505_liee.htm.



Questions: CPUC LIEE Program

- For more information:
Kelly A. Hymes
khy@cpuc.ca.gov
- Or check the CPUC website at:
<http://www.cpuc.ca.gov/static/energy/liee.htm>