


Residential Statewide Energy Efficiency Programs 2004-05



Residential Lighting Experts Meeting
September 8, 2004

Gregg D. Ander, FAIA
Elisa Clifford

Statewide Residential Programs

- ◆ PG&E, SCE, SDG&E and The Gas Company (IOUs) offer consistent and recognizable energy efficiency program presence throughout the state to help residential customers better manage their home energy costs. Statewide consistencies:
 - Promote customer participation
 - Eliminate confusion
 - Establish consistent participant requirements
 - Prescribe consistent eligible measures, services, and incentives
 - Advocate Energy Star® labeled products
 - Encourage market actors to pursue product advancements and make more energy efficient products commercially available

Statewide Residential Energy Efficiency Programs and Services

- ◆ Single Family Energy Efficiency Rebates
- ◆ Multifamily Energy Efficiency Rebates
- ◆ Appliance Recycling (Refrigerators & Freezers)
- ◆ Upstream Lighting
- ◆ Home Energy Efficiency Surveys
- ◆ New Construction (Single- and Multi-Family)

- ◆ IOUs' offerings also include local and community partnership programs
 - Focus is local to IOU service area, not statewide
 - Serves specific communities, geographic areas, target markets
 - Provides rebates/incentives or services

Rebates and Offers

- ◆ Rebates/incentives motivate customers to purchase and install higher efficient products, recycle appliances; rebates reduce payback period
- ◆ Cash rebates/incentives are available on a variety of products:
 - Lighting
 - Heating and cooling (central air conditioners and heat pumps, programmable thermostats, whole house fans, dual pane windows)
 - Refrigeration (refrigerator/freezer recycling, Energy Star® refrigerators)
 - Pool Pumps and Motors
 - Multi-family—investments in energy efficiency for apartments, common areas of apartments and condo complexes and mobile home parks



Residential Tools

- Home Energy Efficiency Surveys
 - Provide customers personalized energy recommendations
 - Examples: lighting retrofits, early refrigerator replacement, building envelope measures, appliances, insulation
 - IOUs may offer promotions to increase customer participation

New Construction Builders Program

- ◆ ENERGY STAR® New Homes Program
 - IOUs work with builders in the new construction market for both single family and multifamily housing
 - Encourages and assists builders to increase the energy efficiency of their housing
 - Pushes builders to exceed state minimum standards for energy efficiency through various incentives (cash incentives, design assistance, promotional support)

Residential Programs Offering Lighting Products

- ◆ Energy Star® Lighting Incentives
 - Screw-in CFLs, hardwired interior and exterior fluorescent fixtures, torchieres
 - 2-yr statewide budgets \$39 million

- ◆ Multifamily
 - Screw-in CFLs, hardwired interior and exterior fluorescent fixtures, T8s, T5s, photocells/sensors, exit signs, torchieres (SCE)
 - 2-yr statewide lighting incentives \$12 million

Utility Residential Programs Future Lighting Needs - 2006 and Beyond

- ◆ Cost effective, reasonably priced, commercially available products
- ◆ Energy Star® qualified/labeled products
- ◆ Vendor disclosure of performance characteristics (examples - Watts, lumens, power factor, CRI)
- ◆ Pin-based fixtures
 - Pin-based lamp compatibility
 - Lamp replacement availability
- ◆ Higher efficacy discharge lamps
- ◆ High efficacy, low-cost, aesthetically-pleasing hardwired fixtures (interior and exterior)
- ◆ CFL A-lamp fixture that will energize CFL only

More future needs

- ◆ LEDs for residential applications
- ◆ Lighting controls – viable residential applications (interior and exterior)
- ◆ Better performing dimmable CFLs
- ◆ Torchiere embellishments to increase sales
- ◆ High efficacy outdoor lighting (security, landscape, facade, etc.)
- ◆ Demand response lighting systems

For Additional Information on Utility Residential Programs

- ◆ PG&E – Ila Homsher
 - Phone: 415-973-3288
 - Terry Pang – Lighting Phone: 415-973-8971
 - www.pge.com
- ◆ SCE - Fran Curl
 - Phone: 626-302-8248
 - www.sce.com
- ◆ SDG&E – Neil Sybert
 - Phone: 858-636-5795
 - www.sdge.com
- ◆ The Gas Company – Rodney Davis
 - Phone: 213-244-5644
 - www.socalgas.com