

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA**

Order Instituting Rulemaking to Examine the
Commission's post-2005 Energy Efficiency
Policies, Programs, Evaluation, Measurement and
Verification, and Related Issues.

R.06-04-010
(Filed April 13, 2006)

**SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) 2009 ANNUAL REPORT
FOR 2008 ENERGY EFFICIENCY PROGRAMS**

JENNIFER TSAO SHIGEKAWA
LARRY R. COPE

Attorneys for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Telephone: (626) 302-2570
Facsimile: (626) 302-7740
E-mail: larry.cope@sce.com

Dated: **August 3, 2009**

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA**

Order Instituting Rulemaking to Examine the
Commission's post-2005 Energy Efficiency
Policies, Programs, Evaluation, Measurement and
Verification, and Related Issues.

R.06-04-010
(Filed April 13, 2006)

**SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) 2009 ANNUAL REPORT
FOR 2008 ENERGY EFFICIENCY PROGRAMS**

Southern California Edison Company (SCE) hereby submits its 2009 Annual Report for 2008 Energy Efficiency Programs and Results, attached hereto. The Annual Report is filed and served in this proceeding pursuant to the Administrative Law Judge's Ruling Adopting Annual Reporting Requirements for Energy Efficiency and Addressing Related Reporting Issues dated August 8, 2007.

This report is normally due on May 1 of the year following the end of a program year. However, via E-Mail dated May 28, 2008, Administrative Law Judge Gamson granted the Investor-Owned Utilities (IOUs) an extension of time to file their 2007 Annual Report thirty days following the date the IOUs submitted to the Commission an advice letter for the first interim claims described for the Risk/Reward Mechanism in Decision (D.)07-09-043. D.08-12-059 subsequently settled the first earnings claims so no advice letter was necessary and no date was set for filing the 2007 Annual Reports.

///

///

///

Respectfully submitted,

JENNIFER TSAO SHIGEKAWA
LARRY R. COPE

/s/ LARRY R. COPE

By: Larry R. Cope

Attorneys for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Telephone: (626) 302-2570
Facsimile: (626) 302-7740
E-mail: larry.cope@sce.com

August 3, 2009

Attachment A

2009 Annual Report for 2008 Energy Efficiency Programs

2009

Energy Efficiency
Annual Report

- ◆ Summary Report
2008 Program Overview & Strategies
- ◆ Technical Appendix
2008 Results

August 2009



SOUTHERN CALIFORNIA
EDISON

An *EDISON INTERNATIONAL* Company

TABLE OF CONTENTS

I. EXECUTIVE SUMMARY	I.1
II. 2008 ENERGY EFFICIENCY PROGRAM OVERVIEW	
RESIDENTIAL PROGRAM AREA	II.1
NONRESIDENTIAL PROGRAM AREA	II.10
PARTNERSHIP PROGRAM AREA	II.18
IDEEA AND INDEE PROGRAM AREA	II.23
CROSSCUTTING PROGRAM AREA	II.25
STATEWIDE MARKETING AND OUTREACH PROGRAMS	II.40
SECTION 1 – ENERGY SAVINGS	1.1
SECTION 2 – EMISSION REDUCTIONS	2.1
SECTION 3 – EXPENDITURES	3.1
SECTION 4 – COST EFFECTIVENESS	4.1
SECTION 5 – BILL PAYER IMPACTS	5.1
SECTION 6 – GREEN BUILDING INITIATIVE	6.1
SECTION 7 – SHAREHOLDER PERFORMANCE INCENTIVES	7.1
SECTION 8 – SAVINGS BY END-USE	8.1
SECTION 9 – COMMITMENTS	9.1
APPENDIX A – SCE 2008 ENERGY EFFICIENCY PORTFOLIO PROGRAM LIST	A.1
.....	
APPENDIX B – DECEMBER 2008 MONTHLY REPORT; 4TH QUARTER 2008 REPORT	B.1

I. EXECUTIVE SUMMARY

Southern California Edison (SCE), delivered a portfolio of energy efficiency programs to its customers in 2008 that provided cost-effective resource benefits to ratepayers and the state. The programs helped customers save money, live more comfortably, and achieve a competitive advantage through efficiency in the California and world markets.

With three decades of leadership and innovation in energy efficiency solutions, SCE's 2008 program results continue to build on our nationally recognized leadership, innovation, and success. The 2008 results from SCE's 2006-2008 energy efficiency programs created considerable ongoing resource benefits to all ratepayers by providing nearly 1.7 billion kilowatt-hours (kWh) of net annualized energy savings, 246 megawatts (MW) of net peak demand reduction, and nearly \$883 million of resource benefits. Of increasing importance, SCE's energy efficiency accomplishments continue to lower greenhouse gas emissions and contribute to the global effort to address climate change.

SCE continued in 2008 to test new approaches for reaching markets that traditionally have been underserved. To ensure that energy savings opportunities were available to Californians who typically have not participated in energy efficiency programs, SCE leveraged resources through community partnerships and creative targeted outreach techniques to enable many of these customers to participate in programs for the first time.

SCE's IDEEA and INDEE programs continue to encourage and promote new and innovative program designs to test the next generation of energy efficient technologies and new approaches for program delivery. The programs solicit innovative proposals from third-parties that provide a platform for testing technologies that if successful, are rolled into existing mainstream programs that expand SCE's ability to tap into all cost-effective energy efficiency potential.

SCE will continue to work closely with the Commission, state, regional, and other stakeholders to achieve the State's Strategic Vision and Goals to ensure that: (1) all cost effective, reliable and feasible energy efficiency measures and actions are implemented in an integrated system or whole building approach, (2) strategies, programs, measures and institutional structures must provide long-

Executive Summary

term energy savings and (3) energy efficiency will generate significant reductions in greenhouse gas emissions as adopted in the Long Term California Energy Efficiency Strategic Plan. This report describes the successful energy efficiency program activities SCE administered and implemented during 2008.

II. 2008 ENERGY EFFICIENCY PROGRAM OVERVIEW

RESIDENTIAL PROGRAM AREA

SCE's residential program portfolio promotes energy efficiency and use of energy-efficient measures by consumers. SCE's residential programs include lighting and appliances incentives, new construction incentives and design assistance, audits, and energy efficiency information. SCE's residential portfolio focuses on the maximization of energy efficiency as an energy resource. The following programs make up the 2008 residential program portfolio, and the 2008 program strategies implemented.

APPLIANCE RECYCLING PROGRAM

Program Description

The Appliance Recycling Program is a program designed to reduce energy usage by allowing residential and nonresidential customers to dispose of their operational, inefficient refrigerators and freezers in an environmentally safe manner. Customers receive a \$50 incentive for each qualifying refrigerator or freezer.

Strategies implemented in 2008

- Integrated marketing efforts with EE partnership programs to promote the Appliance Recycling Program through "Pick Up Day Events." These events were held on weekends and involved sweeps to collect working refrigerators and freezers from customers serviced by the partnership.
- Held an Appliance Recycling Program "Summer Campaign" to promote the benefits of the program. This campaign resulted in a significant increase in program participation and was a major factor in the program reaching record participation levels.
- Placed increased marketing emphasis on the environmental benefits associated with the program.
- Enhanced a new real time software technology which included the use of PDA's by the recycling service contractors and Appliance Recycling Program support staff. This enhancement streamlined the Appliance Recycling Program process and provided operational efficiencies. In addition, it helped to increase the

2008 Energy Efficiency Program Overview

Appliance Recycling Program participant satisfaction level as measured by SCE's Service Delivery Satisfaction (SDS) rate from 87% in 2007 to 94% in 2008.

RESIDENTIAL ENERGY EFFICIENCY INCENTIVE PROGRAM

HOME ENERGY EFFICIENCY REBATES

Program Description

The Residential Energy Efficiency Incentive Program offers incentives for single family residential customers to purchase energy efficient products when it comes time to replace high electric end-use products in the home. Products eligible for this incentive include: refrigerators, room air conditioners, whole house fans, attic and wall insulation, pool pumps and motors, water heaters, cool roof and evaporative coolers.

Strategies implemented in 2008

- The residential HVAC strategy was combined with the nonresidential HVAC measure to offer rebates to manufacturers and distributors upstream - which is identified as the Comprehensive HVAC Program.
- A \$100 pool pump contractor incentive was added to encourage contractors to install two-speed and variable-speed pool pumps.
- Point-of-sale rebate relationships were established with retailers which were attributed to over 50% of applications and savings.
- A point-of-sale gift card was offered to customers to volunteer their contact information at their point-of-sale activity. This technique greatly improved the program's ability to contact participants and get their input on the program.

RESIDENTIAL UPSTREAM LIGHTING AND TORCHIERE AND PLUG-IN LAMP EXCHANGE PROGRAM

Program Description

The bulk of energy savings and demand reduction come from the Residential Lighting Incentive Program, which includes both the upstream lighting component and the Torchiera and Lamp-Exchange Program.

The Residential Lighting Incentive Program paid incentives to consumer end-users in the form of reduced retail prices, passed on to customers through manufacturers and retailers, for products such as ENERGY STAR® labeled light bulbs, lamps, and fixtures.

2008 Energy Efficiency Program Overview

SCE's Torchiere and Plug-in Lamp Exchange Program held highly publicized events in which members of the community could bring their incandescent lamps and exchange them for high efficiency lamps at no additional cost.

Strategies implemented in 2008

- In 2008, the program shifted its emphases toward increased specialty bulbs like reflectors, globes, A-lines, and dimmable CFLs at big box and home improvement retailers. The program concurrently reduced incentives and quantities allocated for basic bare spiral CFLs at those stores. The program issued a "ZIP Codes To Pursue List" to participating manufacturers, placing high priority on allocation requests to ZIP Codes in our service territory that had been poorly saturated with program products.
- The Exchange Events were redesigned to have an Energy Expo theme. It would allow a great deal of cross promotion of other SCE programs as it kept participants entertained with displays and working models during their time standing in line. This theme was implemented in 2008 and increased customer satisfaction with the event experience.

LIGHTWISE

Program Description

The LightWise program targets 6th grade classroom, provides both student and teacher materials and teacher support for energy efficiency and conservation measures with the focus on CFLs and leverages the Change A Light, Change the World campaign.

Targeted schools are located in SCE's service territory and their teachers are contacted based on the priority assigned and approved by Edison.

The teacher's are provided with a customized Program Activity Kit that contains, but not limited to, two CFLs, test your CFL knowledge card, CFL fact sheet, Energy Savings Survey and pre-and post surveys for completion by the students and their parents, pledge information in accordance with U.S. EPA Energy Star Change a Light, Change the World Campaign, and any student incentives as determined.

MULTIFAMILY ENERGY EFFICIENCY PROGRAM

Program Description

SCE's Multifamily Energy Efficiency Rebate Program offers rebates to multifamily property owners and managers to install energy efficient products. This program offers rebates for 16 energy efficient measures that are available for common area and tenant

2008 Energy Efficiency Program Overview

dwelling units of apartment complexes or the common areas of condominium and mobile home parks.

Strategies implemented in 2008

- Worked with market actors to gain program understanding and promote the program offering. As a result, high customer participation levels were achieved.
- Marketed monthly advertisements in five different apartment industry trade magazines covering the majority of the multifamily population in SCE's service territory.
- To increase exposure, program management exhibited at apartment industry trade shows.
- Reservation caps were increased to allow for larger reservation queuing by independent installation contractors working for program customers—resulting in higher rebates volumes.
- Routinely met with the other California investor-owned utilities to ensure program policy, design and implementation remained consistent statewide.
- Worked internally with SCE partnership programs to leverage and/or funnel offerings.
- Improved communication method utilizing email to effectively provide program information to independent installation contractor working on behalf of the customer.

The Multifamily Energy Efficiency Rebate Program also provides direct services to mobile home residents which include air conditioning diagnostic, tune-up services and the direct installation of lighting fixtures through the “Comprehensive Mobile Home” program component.

Strategies implemented in 2008

- Actively outreached to targeted parks soliciting program participation with both park management and individual residents.
- Conducted targeted direct mailing to manufactured/mobile home residents and park management to promote the program.
- Conducted on-site presentations to park managers and site residents to gain program participation.
- Developed a post installation inspection process to verify and ensure the product was installed and functional

HOME ENERGY EFFICIENCY SURVEY

Program Description

The Home Energy Efficiency Survey (HEES) program fills the gap between consumer awareness and adoption of opportunities for energy and water efficiency. HEES offers similar services as Pacific Gas and Electric Company (PG&E), San Diego Gas & Electric Company (SDG&E), and Southern California Gas Company (SCG) which provides a consistent and recognizable program throughout California. The program provides customers with information, at no charge, to help them become familiar with ways to reduce energy usage in their homes.

SCE also collaborates with regional and local water agencies to offer information on electric, natural gas, and water efficiency.

HEES is delivered through four primary program approaches:

- **Mail-In Energy Survey** – provides a self-completed questionnaire and personalized energy and water report mailed directly to the home.
- **On-Line Energy Survey** – provides customers with instant access to energy and water efficiency information and incentives to the home.
- **In-Home Energy Survey** – provides face-to-face consultation on ways to save energy and water.
- **Phone Energy Survey** – provides a convenient alternative service for customers unable to complete energy surveys by mail, internet, or in the home.

Strategies implemented in 2008

- **Mail-In Energy Survey:** Launched one Mail-in survey campaign in September 2008. In an effort to boost participation, EE Kits were offered to all participating Mail-in survey customers. HEES Program mailed out 98,365 Mail-in survey questionnaires and received 12,563 responses (12.8%) exceeding expectations of 10%. HEES program completed a total of 15,139 Mail-in surveys during 2008.
- **On-line Survey:** On-line survey offered an EE Kit incentive through October 2008. HEES Survey landing pages were updated for Korean, Vietnamese, and Chinese speaking customers. Completed a total of 13,350 On-line surveys during 2008.
- **In-Home/Phone Survey:** In-home/Phone surveys are now available in multiple languages including English, Spanish, Vietnamese, Chinese and Korean. All customers who received an In-home survey received an EE Kit in 2008. Completed a total of 6,530 In-home surveys, and 1,363 phone surveys during 2008.

2008 Energy Efficiency Program Overview

- **Fulfillment Update:** The EE Kits is sponsored jointly by SCE and SCG. The EE Kits used in 2008 included (1) 23 Watt CFL, (1) Low Flow Showerhead & (3) Sink Aerators. The program distributed a total of 33,644 EE Kits to HEES participants in 2008 and has a goal in place to expand EE Kits in 2009.

INTEGRATED SCHOOL-BASED PROGRAM

Program Description

The Integrated School-Based Program is delivered through three coordinated program strategies to address all aspects of the schools market through an integrated approach that promotes energy efficiency, demand response, renewable energy, and water conservation opportunities to decision makers. Each program component will leverage existing incentives, available through energy efficiency and demand response programs, to achieve immediate and long-term energy savings and demand reduction in schools, universities and homes. The three strategies include: LivingWise, Green Schools, and Green Campus.

The primary goals of the program are to:

- 1) Inform K-12 and college students about the science of energy, energy and water conservation and how to apply this information at home and in their communities.
- 2) Improve public education facilities and inform facility operators and administrators about the benefits of energy efficiency equipment and operation practices.

LivingWise

The LivingWise strategy provides classroom learning activities and take-home kits to elementary and middle school classes. The kit contains energy and water-saving products such as compact fluorescent lamps (CFL), high efficiency showerheads, water aerators, and air filters to introduce energy and water conservation to children and their parents.

To promote energy efficiency and demand response, this program features a blend of classroom learning activities, a hands-on energy survey, and installation projects that students complete in their homes with parental assistance. These activities empower 6th grade students to become advocates of smart energy management in their homes, schools, and communities. This knowledge of energy conservation measures will create

2008 Energy Efficiency Program Overview

a new generation of Californians who understand and advocate the significance of energy in their lives and their role in its efficient use.

Strategies implemented in 2008

- SCE and LivingWise continued working with Water Agencies to incorporate water measures into the program and secure funding from Water Agencies.
- SCE and SCG continued with the practice of incorporating gas measures into the program and securing funding in return for Therm savings.
- SCE and LivingWise continued to improve program tracking to better reflect both program performance and savings.
- SCE continued efforts to working with Partnerships to assist in meeting many Local Government Partnership efforts.

Green Schools

Green Schools reduces energy costs in schools and educates students and their families about energy and the link between efficiency, the environment and finances. It is a comprehensive and long-term approach to school efficiency, and brings together the facilities, instructional, and administrative staff in a cooperative effort to improve education using energy as a tool. Its unique approach integrates school facility energy-savings with energy saving action and instruction in school, homes and the community. This knowledge of energy conservation measures will create a new generation of Californians who understand and advocate the significance of energy in their lives and their role in its efficient use.

Strategies implemented in 2008

- Continued education and awareness for energy efficiency through program implementation at approximately 50 K-12 schools annually.
- Continued giving guidance, support and energy lesson plans to participating schools for student learning. Students received hands-on lessons in energy conservation that prompted further discussion on energy efficiency and changed energy usage behavior.
- Continued to provide school administrators with energy audits of their schools to show areas of energy improvement. Administrators and school energy managers were informed of ways to use energy more efficiently through basic changes in operations, product retrofits, energy efficiency attitudes, and individual behavior.
- Provided CFLs to students for their homes in support of the energy efficiency discussions, thereby reinforcing the concept that energy efficiency starts in the home.

2008 Energy Efficiency Program Overview

- Continued efforts to work with other SCE departments to promote and facilitate Business Incentive Programs as well as Residential Incentive Programs (e.g. demand response, appliance rebates, etc.).

Green Campus

Modeled after the Green Schools program, Green Campus: (1) realizes immediate energy savings on college campuses, particularly in dorms; and (2) educates the campus community on the importance and methods of saving energy and other resources and integrates resource efficiency into students' academic learning. The program uses student interns, who recruit and work with an advisory committee of administrators, faculty, and staff to plan and carry out activities, such as energy-savings competitions, or "decathlons." This knowledge of energy conservation measures will create a new generation of Californians who understand and advocate the significance of energy in their lives and their role in its efficient use.

Strategies implemented in 2008

- Continued education and awareness of energy efficiency through program implementation at 12 UC/CSU campuses.
- Continue to provide program guidance and support to approximately six campus interns per campus.
- Campus interns continued to provide awareness of energy efficiency to the student body through various energy fairs and competitions throughout the school year. CFLs were provided to the student body for use in their dorms or apartments. These CFLs reinforce the energy efficiency concept and plant a seed with the students for greater energy efficiency.
- Campus interns continued to work with University Energy Managers to identify areas of energy efficiency improvement throughout the campus to reduce campus energy expenses.
- Incorporated efforts to work with other SCE departments to promote and facilitate Business and Residential Incentive Programs (e.g. demand response, appliance rebates, etc.).

CALIFORNIA NEW HOMES PROGRAM

Program Description

The California New Homes Program (CANHP) provides comprehensive services throughout the SCE service territory for the residential new construction market. CANHP offers incentives to single- and multi-family builders of all production volumes

for achieving a variety of energy efficiency goals. The program offers two options for participation:

1. The Performance Option

- Encourages builders to exceed California's energy efficiency standards for new construction (2005 Title 24) by a minimum of 15 percent (Tier I NSHP);
- Offers an increased incentive to builders for exceeding Title 24 by 20 percent (inland climate zones only, with ENERGY STAR® certification required for single-family projects); and
- Offers an additional incentive to builders for exceeding Title 24 by 35 percent (Tier II NSHP, solar required for single-family projects).

2. The Prescriptive Option

- Provides additional incentives for non-building-related measures such as appliances and lighting; and
- Provides prescriptive options for projects that are not used to qualify for the performance thresholds by offering stand-alone incentives for Quality Insulation Installation (QII) and verified ducting systems (tight ducts).

Strategies implemented in 2008

- Held focus group meetings with both participating and non participating builders to get their opinion of what works and does not with the program. This level of understanding in the market as it exists today helped shape the changes made throughout the year.
- Worked with internal staff as well as third party consultant to streamline and improve the processes that builders went through to participate in the program.
- Made presentations to the builders to help them understand the program as well as give them ideas on how to cost effectively meet the program requirements.
- Worked with builders to help them with sales and marketing of their energy efficient homes. This included model opening support as well as website and flyer recognition
- Partnered with key building industry groups for various events that helped educate the building community on how to build more energy efficient sustainable homes. These programs were very successful and plan to be continued in the future.

NONRESIDENTIAL PROGRAM AREA

SCE's 2008 nonresidential programs are designed to: (1) increase the level of retrofit and new construction energy-efficient investments in commercial, industrial, and agricultural end-users; (2) educate nonresidential customers on the value of energy efficiency and on existing and new opportunities for implementing energy efficiency in their facilities; and (3) promote an integrated portfolio of energy efficiency, demand response, and distributed generation technologies and services to nonresidential customers. SCE's nonresidential portfolio has been designed to focus on these goals and to maximize the use of energy efficiency in the nonresidential sector as an energy resource. The following programs make up the 2008 nonresidential program portfolio, and the 2008 program strategies implemented.

COMPREHENSIVE HVAC PROGRAM

Program Description

The Comprehensive Packaged Air Conditioning Systems (CPACS) Program targets HVAC systems in retrofit and new construction areas. It employs techniques in a broad array of categories, combining resource acquisition with market transformation. CPACS is designed to optimize all HVAC efficiency through quality installation and maintenance to obtain the highest savings and to best leverage administration and customer acquisition costs.

Strategies implemented in 2008

- Managed core group of participating contractors with necessary administrative and technical support resources.
- Implemented quality control processes to ensure measures delivered were consistent with technical specifications.
- Implemented a mass market campaign to raise customer awareness about seasonal-based servicing.
- Managed key program processes to ensure that results met minimum program standards.

RETRO-COMMISSIONING

Program Description

Retro-Commissioning (RCx) targets buildings that have never gone through any type of commissioning or quality assurance process and are therefore performing below their potential. Building commissioning is a cost-effective process to improve building performance, reduce energy use, increase equipment life, improve indoor air quality and improve occupant comfort and productivity. This program provides incentives and services to optimize the operation of existing building energy using systems.

Strategies implemented in 2008

- Continued marketing to Commercial Real Estate to increase participation in this sector.
- Continued using the automated benchmarking system to benchmark buildings through the U.S. Environmental Protection Agency Portfolio Manager.
- Phased out grocery retro-commissioning projects.
- Completed first projects outside of the grocery store segment.

2008 Energy Efficiency Program Overview

- Initiated standardizing calculation methodology among different service providers.
- Initiated third-party implementer reporting through the Sub-contractor Management and Reporting Tool (SMART) database, used by SCE to facilitate program management.

INDUSTRIAL ENERGY EFFICIENCY PROGRAM

Program Description

The Industrial Energy Efficiency (IEE) Program targets industrial customers and identifies opportunities for the customer to realize energy savings, as well as product output and quality, through equipment retrofits and enhancements, adjustments, and improvements to processes. The IEE Nonresidential Audit Program involves 'onsite' audits performed by SCE.

Strategies implemented in 2008

- The ACT Database is the IEE contractor tool for tracking project progress; tracking customer project activity; tracking energy savings towards targets.
- The Contractor method of payment in the 4th quarter of 2008 was changed from time and material to pay for performance.
- The program continued to make a significant impact across the industrial customer segment. Projects completions increased from 78 projects in 2007 to 183 projects in 2008.

The implementation strategy continued to be highly effective. This strategy matched the specific needs of the customer segment (ex: oil and gas producers/SIC 13), with the industrial vender who has specific skill sets in that segment. This approach is in line with a key objective of the Industrial program.

AGRICULTURAL ENERGY EFFICIENCY PROGRAM

Program Description

The Agricultural Energy Efficiency Program (AEEP) for 2006-2008 is a portfolio of products and services designed to enhance adoption of energy efficient equipment and practices among agricultural customers. This program addresses two characteristics of the sector that have historically been a stumbling block to adoption of energy efficiency throughout all regions of the country, and California in particular: diversity of the customer base and the relatively small role of electricity in their costs.

Strategies implemented in 2008

- Successfully implemented a pipeline projects management focus. Late in the third quarter, efforts were redirected from developing new projects to identifying committed projects near completion, obtaining documentation and processing incentive application. This activity contributed to the program surpassing its energy savings goal for the year.
- Collaboratively developed and presented Food Processing technology workshops at SCE's AGTAC energy center in Tulare and CTAC in Irwindale. The workshops were a product of joining efforts between the California Energy Commission, California League of Food Processors trade association, SCG and PG&E.
- Changed program audit delivery model and performed more strategic audits based on customer interests, both energy savings and financial. Making this change enhanced results by increasing participation in the AEEP.

NONRESIDENTIAL DIRECT INSTALLATION

Program Description

The Nonresidential Direct Installation Program delivers energy efficiency hardware retrofits through installation contractors to reduce peak demand and energy savings to very small and small commercial customers. The program targets the entire service territory in a staged delivery approach that provides program services in specific geographic areas at different times allowing for a more concentrated, directed, and yet comprehensive program. In addition, SCE will continue coordination with community based organizations and faith based organizations to offer job creation opportunities for local youth in economically challenged areas of SCE's service territory.

The On-Bill Financing Pilot program provides installation of efficient lighting, refrigeration, and air conditioning equipment to qualified grocery and convenience store customers. Potential customers must have a monthly demand of less than 500 kW, and be in good credit standing, based on payment history with SCE. The program is offering a combination of incentives and no-interest loans. Loan payments will be repaid over a 2-5 year term at 0% interest as an additional charge on customers' utility bills.

Strategies implemented in 2008

- Provided implementer with list of target customers for each community the implementers were assigned one to two weeks prior to their scheduled start date in that community.

2008 Energy Efficiency Program Overview

- Contractor's marketing staff contacted customers through a door-to-door, face-to-face approach to promote the program, provide information, obtain participating authorization and provide language-appropriate brochures and flyers.
- Direct implementation activities occurred with customer enrollment, installation, inspections, and invoice submissions in 2008.

BUSINESS INCENTIVES & SERVICES

Program Description

Business Incentives & Services is an integration of three previous stand-alone programs: Standard Performance Contract, Express Efficiency, and Non-residential Audits.

STANDARD PERFORMANCE CONTRACT (SPC)

Program Description

The SPC program strategy offers cash incentives for the installation of high efficiency equipment or systems. Incentives are based on annual energy savings (kWh) and paid upon completion and inspection of the project. All nonresidential customers are eligible to participate and all projects require both a pre and post installation inspection. Projects are typically customized equipment or systems for commercial, industrial, or agriculture facilities that fall outside the standard offer incentive programs.

Strategies implemented in 2008

- Modified Measure Cost Cap to be based on 50% of the total project cost rather than by each measure category.
- Incorporated DEER Peak Demand Approach for claimed kW savings.
- Introduce new measure tool (Pumping System Upgrade) and update existing ones in the SPC Software.
- Implemented new measures (Server Virtualization, HVAC occupancy controls) into the calculated offering.
- Collaborated with the statewide team to map potential technologies including LED lighting and desktop thin clients into the program.

EXPRESS EFFICIENCY

Program Description

The Express Efficiency program strategy provides itemized energy efficiency measures to all nonresidential customers on a seamless statewide basis. Offering itemized measures and a simplified process for customers to apply for and receive a prescribed rebate makes it attractive for firms to invest in energy efficiency. Firms invest in the short term in order to lower energy costs in the long term.

Strategies implemented in 2008

- Simplified the Business Incentives and Services Application (Express Efficiency and SPC) for maximum flexibility. Application released January 2008. Changes included Terms and Conditions changes to ice machines, adding new food service measures and simplifying form 4 of the application
- Statewide collaborations for new measures; Lighting, LED, Refrigeration and Commercial Food Service measures offering more opportunities for participation.
- Vendor outreach and education events to build awareness with customers.
- Implemented marketing strategies focusing on target segments with industry-specific mailers.

NONRESIDENTIAL AUDITS

Program Description

The Nonresidential Audits program strategy is a method for delivering energy efficiency information and awareness to business customers, which often results in participation in energy efficiency projects. Business Incentives Services audits are conducted on-site at the customer facility.

Strategies implemented in 2008

- Increased 2008 program audit savings by adjusting the audit mix and performing more of medium-sized customer audits than in 2007.
- Continued program audit enrollments by leveraging community partnerships, municipalities, chambers of commerce and trade organizations.
- Continued tracking audit recommended measures for post audit follow-up.

SAVINGS BY DESIGN

Program Description

Savings By Design provides the nonresidential new construction industry with a broad spectrum of technical and financial resources to assist in the design of new facilities that maximize cost-effective electric energy efficiency integration as a primary consideration.

Strategies implemented in 2008

- Continued to target new construction in order to maximize efficiency opportunities and minimize the cost.
- Continued to offer a full spectrum of technical analysis and design assistance to:
 - Building owners
 - Architects
 - Engineers and other specialized consultants
- Emphasized using an integrated design process to achieve high performance buildings. Integrated design means:
 - Early involvement before key design decisions are made;
 - Parallel instead of linear design process between architects and mechanical/electrical/plumbing engineers; and
 - Produces interactive benefits between properly designed systems.
- Emphasized “right-sized” systems because they can often be incorporated at little or no incremental cost.

SUSTAINABLE COMMUNITIES

Program Description

The Sustainable Communities Program serves both non-residential and residential sectors by developing processes to more effectively address mixed-use, multiple-building developments. Project types in the pilot include redevelopment and infill efforts, master-planned communities with integrated town centers, transit-oriented development, and high-rise residential with ground floor retail, among others.

Strategies implemented in 2008

- Implemented a change in program focus from resource to non-resource, routing all energy savings through either Savings by Design (non-residential new construction) or California New Homes (residential new construction). This eliminates intra-program competition, avoids duplication of efforts, and allows

2008 Energy Efficiency Program Overview

the program to focus on services supporting projects in areas in which SCE lacks expertise.

- Worked on process flows and integration issues with existing programs to ensure smooth hand off between resource and non-resource programs
- Continued to work with multiple-building projects, at neighborhood scale, as well as innovative mixed-use projects, such as a mixed income live-work spaces for artist with first floor gallery/community space.
- Set high standards for participation of 20% better than current Title-24 energy code.
- Explored non-traditional sources of energy savings, such as the embedded energy savings associated with water conservation.
- The program ran on a pilot basis during the 2006-2008 program cycle, with projects specifically selected to build SCE's experience addressing various types of developments.

PARTNERSHIP PROGRAM AREA

COMMUNITY AND INSTITUTIONAL PARTNERSHIP PROGRAM OVERVIEW

The Energy Efficiency Partnership Program is a dynamic program created to bring vitality and a keen awareness of energy efficiency best practices to a range of local/state government, and institutions. The program partners with universities and colleges, cities, counties and state entities, with the intent and purpose of executing substantive, municipal, business and community projects that save energy, money and the environment..

SCE's Energy Efficiency Partnership Program fortifies and invigorates business relationships with local government and institutional customers. Our programs advance long term state and local government energy policies that encourage adoption of energy efficiency and green practices, ultimately influencing behavior that produces a renewed appreciation for and stewardship of our resources.

In 2008, Partnership Programs continued to be very successful working with these entities to create awareness and overcome barriers to energy efficiency. Institutional and local government buildings were retrofitted and participation in residential and nonresidential energy efficiency programs, demand response, self-generation and income qualified programs were encouraged

The 2008 Partnership Portfolio includes the following programs:

Local Government

- Local Government Energy Action Resources – Mammoth Lakes Partnership
- Local Government Energy Action Resources – Ridgecrest Partnership
- Ventura County Partnership
- South Bay Partnership (South Bay Cities of Council of Governments)
- Bakersfield and Kern County Partnership
- Santa Barbara Partnership (South Coast Energy Efficiency Partnership)
- Community Efficiency Partnership (Non-resource/Resource)
- San Gabriel Valley Energy Efficiency Partnership Program
- Santa Ana Partnership
- Palm Desert Demonstration Partnership
- Federal Direct Install

Institutional

- California Community Colleges-IOU Partnership
- California Department of Corrections and Rehabilitation
- SCE-SoCalGas County of Los Angeles Partnership
- County of Riverside Partnership
- UC-CSU-PG&E-SCE-SoCalGas-SDG&E Partnership
- State of California Partnership
- County of San Bernardino Partnership

Strategies implemented in 2008

Customer Outreach

- Met with State Agencies to discuss energy efficiency opportunities and participation in the partnership programs to implement projects in support of the Governor's Executive Order, Green Building Initiatives.
- Continued to co-brand marketing materials and energy efficiency messages to leverage local government's communications infrastructure disseminating the message of energy efficiency, savings and the environment to residents and businesses.
- Advertised community and media events on local cable television, city newsletters, city scrolls and to Partners' employees to support local governments' desire to provide leadership to their communities.
- Continued to use community events to 'funnel' energy programs such as the Nonresidential Direct Install, Appliance Recycling, Multi-family rebates, Mobile Home, and Operation Lamp Exchange which included the holiday LED light exchanges.
- Continued to work in tandem with gas and water utilities reinforcing our message of managing all scarce resources for the environment. The West Basin Municipal Water District joined the South Bay Partnership over the reporting period.
- Maintained implementation of 'mini expo' workshops that directly connected workshop participants with available program exhibits and vendors of relevant energy efficient devices.
- Outreach Committee continued to foster development of outreach plans designed to provide program information and technical assistance to facilitate participation in the Program and create a pool of potential projects for implementation.

2008 Energy Efficiency Program Overview

- Periodic communications related to Partnership implementation activities disseminated through a local government's existing communication channels were continued throughout 2008.
- Launched a media event recognizing CDCR efforts in the partnership program. A collaborated material from this press even is being used for outreach to other state agencies.
- Attended and sponsored the Green CA Summit as an outreach to state of CA agency decision makers.
- The Palm Desert partnership continued to co-brand marketing material and energy efficiency messages to leverage local government's communications infrastructure.
- The Palm Desert partnership continued to use community events to encourage interest about and direct participation in energy efficiency programs such as Non-residential direct install, appliance recycling and holiday LED light exchanges

Program Administration

- Working with SCE program managers, to customize existing energy efficiency core programs in response to community needs.
- Developed a Partnership Memorandum of Understanding or Master Agreement that outlines roles, responsibilities, commitments, and terms and conditions between the program Partners, where applicable.
- Project Agreement used as the contractual vehicle to secure commitment for the implementation of individual energy projects.
- Established a team structure involving all Partners to manage program activities, consisting of a management team having overall program oversight, and a group of subcommittees to work in specific program areas (project guidelines, review and approval, website development, and outreach, training & education).
- Developed program processes and procedures, decision making authority, process flowcharts, responsibility matrices, and a documentation package which includes project application forms, project review documentation, reporting tools, Action Item tracking tools, and various other program forms and templates for energy project review, approval, progress tracking, and reporting.
- Enhanced program and project tracking website in cooperation with the Partnerships. All energy savings and incentives will be updated and verified on the website.
- Collaborated with internal organizations to bring a shared vision and unified support team for the Partnership programs.

2008 Energy Efficiency Program Overview

- Developed and executed the Master Agreement with the County of San Bernardino. This allowed us to work with the County in identifying and implementing energy efficiency opportunities.
- Established a management team with IOU, Department of General Services, and multiple state agency representation. This management team works on process, legal and procurement issue resolution to enable project implementation. The management team is also chartered to build a project pipeline to ensure a sustainable process is in place.
- In Palm Desert, a working group was established consisting of SCE, SCG, and the Energy Coalition to achieve program results.

Program Implementation

- Conducted audits for seven State Correctional facilities in order to assist the California Department of Corrections & Rehabilitation (CDCR) identify potential projects to be implemented. CDCR joined the Climate Action Registry.
- AB900 Legislation passed by the State Assembly will allocate state dollars to build new prisons and expand existing facilities. Strategies to coordinate these future projects are being developed in order to assure that energy efficient new construction is utilized.
- Project packages completed with life cycle cost analysis conducted and ready for submittal for financing through Energy Smart Financing program (formerly GS\$ Mart).
- Created Statewide master list of proposed projects of State of CA EE partnerships activities to be shared and discussed with Green Action team.
- Measurement and Verification to provide consultant to assist with base lining County's purchasing policy of capital equipment and determine feasibility for SCE to capture energy savings through proactive assistance, development and documentation of County's green purchasing policy for capital equipment purchasing.
- Connecting the New Construction and Savings By Design program group with partnerships to collaborate on current policy initiative for sustainable communities. This will ensure that SCE is on board with any proposed future activities that impacts building codes and standards.
- Provided investment-grade audits, technical assistance as well as enriched incentives to help overcome barriers to implementing energy efficiency projects. This further assisted local governments and institutions to demonstrate environmental stewardship.
- Able to complete the first project with the County of San Bernardino. Implement lighting sensor at the Government Center.

2008 Energy Efficiency Program Overview

- Launched the Federal Energy Efficiency Direct Install Initiative that focuses on providing measures to residential housing in Federal Facilities.
- Continued direct delivery programs, 'sweat equity', that provide an introduction to very cost-effective measures for installation in public facilities, thus paving the way for more expensive measures requiring customer investment.

Education and Training

- Provided shorter and more focused energy 'briefings' in place of workshops which better attracted decision makers in the Ventura Partnership area.
- Continue to established goals for a Training & Education program in coordination with the institutional Partnership where applicable.
- Conducted four week training session for California Community Colleges on Energy Efficiency topics.
- Used IOU Energy Resource Centers to conduct training.
- Held All Partners Meeting as a forum for SCE and the Partners to share best practices.
- A service of In-home and at-business audits was created and implemented which provided education to customers in Palm Desert.

IDEEA AND INDEE PROGRAM AREA

IDEEA and InDEE Programs Portfolio overview

While SCE's Innovative Design for Energy Efficiency Applications (IDEEA) program focus is on different marketing or delivery methods, different market segments, and/or different technologies from those offered in the SCE portfolio, the Innovative Design for Energy Efficiency (InDEE) program solicitation is designed to draw proposals that place emphasis on innovation, market introduction, promotion, and other assistance to the commercialization process of promising new and/or different energy-efficient technologies from those offered in SCE's portfolio of energy efficiency programs. The goal of the portfolio is to find, fund and field test the best third party implemented energy efficiency programs in the nation.

The 2008 IDEEA Portfolio includes the following programs:

- 80 PLUS Program
- Affordable Housing EE Alliance Program
- Transforming the Market for New Energy Star Manufactured Mobile Homes
- Southern California Home Performance Program
- Modernization Energy Enhancement for Schools Program
- The Lighting Energy Efficiency PAR 38/30 Program
- Healthcare Energy Efficiency Program
- Energy Efficiency Program for Entertainment Centers
- Campus Housing Energy Efficiency Program
- Aggregation of Public Housing Program
- California Preschool Energy Efficiency Program
- Coin Operated Laundry Program
- Demand Responsive Emerging Technology Program
- Designed for Comfort: Efficient Affordable Housing Program
- Energy Efficiency Demand Response Flex Program
- Lighting Energy Efficiency with Demand Response Program
- MAP Energy Efficiency Program

The 2008 InDEE Portfolio includes the following programs:

- Grocery Area Energy Network Program
- Escalator PowerGenius Program
- Plugging the Consumer Electronics Gap Program
- NightBreeze Energy Efficiency Program

FUTURE IDEEA SOLICITATIONS

Strategies implemented in 2008

Prior to 2008, all current program cycle solicitations were concluded. July 2008 marked the beginning of the 2009-11 competitive solicitation process. This process included meetings with the statewide IOUs and the PRG to design the 2009-11 third party competitive solicitation process. The overall process included the 2009-11 IDEEA program solicitation plans and selection of four (4) programs subject to CPUC advice filing approval and contract negotiations.

- Implemented IDEEA Program process improvements for 2008.
- List of contacts for the pre-notification of the 2009-11 solicitations was expanded to over 4,000 individual contacts. This was accomplished by merging both the PG&E and Sempra 3rd party contracting opportunity lists. These would-be bidders are contacted annually and challenged to compete and to implement innovative EE programs of their own design in SCE's service territory.
- Continued the promotion of SCE's IDEEA programs' two-stage request for proposals process which generated 18 bidder proposals (Stage 1 (Abstract): 7, Stage 2 (Full Proposal)).
- SCE's Web-based PEPMA – Proposal Evaluation, and Proposal Management Application continued to receive additional upgrades to enhance the Abstract/proposal submission and evaluation experience by bidders and evaluators respectively.
- Teams of SCE Energy Efficiency Division staff evaluated and scored the third party IDEEA program implementation proposals. From the rank ordered proposals that resulted from the scoring activity, portfolio managers selected four (4) IDEEA programs for the 2009-11 program cycle. After presentation to SCE's Peer Review Group, all four (4) programs were notified of their selection subject to negotiations. The selected IDEEA programs were:
 - Monitored Based Commissioning (Enovity)
 - Leased Office Space (AESC)
 - Data Center Optimization (Quest)
 - Data Center (Intergy)

CROSSCUTTING PROGRAM AREA

SCE's 2008 Crosscutting Programs primarily focus on providing energy efficiency information, but also seek to accelerate the introduction of energy efficient technologies, applications, and analytical tools. The programs target both residential and nonresidential customer segments, including retrofit and new construction opportunities. The following programs make up the 2008 Crosscutting program portfolio, and the 2008 program strategies implemented.

EDUCATION, TRAINING, AND OUTREACH

Program Description

Education, Training, and Outreach (ETO) is a family of educational programs that promote energy efficiency to a variety of customer segments.

The ETO Portfolio includes the following programs:

- Energy Centers
 - Customer Technology Application Center
 - Agricultural Technology Application Center
- Technology and Test Centers (TTC)
- Energy Design Resources (EDR)
- Nonresidential Remote Energy Audits (NRREA)
- Mobile Energy Unit (MEU)
- Building Operator Certification (BOC)
- Custom Language Efficiency Outreach (CLEO)

ENERGY CENTERS (EC)

The EC's serves as an important delivery channel for information concerning Energy Efficiency programs. EC's offers a place where customers can see, hear, touch and learn about the latest energy efficient technologies. The EC's also promote Energy Efficiency programs in coordination with business and community based organizations by holding seminars and supporting outreach events outside of the centers.

CUSTOMER TECHNOLOGY APPLICATION CENTER (CTAC)

SCE's Customer Technology Application Center (CTAC) is an impressive 51,000 square foot, state-of-the-art facility located just east of Los Angeles in the city of Irwindale. Housing eight technology centers, three classrooms, a computer lab and a 103 person theater-style conference center, CTAC offers customers, architects, engineers and

contractors an extensive array of programs and services that can help save energy , money and the environment. CTAC offers residential, commercial, and industrial customers educational services including seminars, workshops, displays, demonstrations, technical consultations, and facility presentations.

CTAC is a source of information about energy management and efficiency that provides solutions tailored to business needs by:

- Promoting energy solutions and customer competitiveness
- Staying abreast of new energy trends
- Providing education and consultations, displays, and equipment demonstrations

Strategies implemented in 2008

- CTAC EE Consultants in 2008: 261
- CTAC EE Equipment Demonstrations and/or Tours in 2008: 185
- CTAC EE Seminars in 2008: 227
- CTAC Seminars on the Road: 38
- Highlights include:
 - **Demand Side Management Display** - The current Demand Side Management display was enhanced with a new touch-screen panel. The new exhibit will allow customers greater ease of operation as they explore the Energy-Efficiency and Demand Response case study presentations
 - **Chiller/Turbocor Display Update** - A high efficiency 60-ton Chiller/Turbocor Demonstration display was made operational in January. This unit showcases the latest technology in chillers and air handlers.
 - **CTAC Sustainability Center LEED Display** – SCE and the U.S. Green Building Council collaborated to support Energy Efficiency and Sustainability through a whole-building approach. A five panel display approximately 33 feet long was installed in the Sustainability Center highlighting SCE’s commitment to LEED and how to use LEED concepts to save energy, money, and the environment. Also installed was a five monitor video display currently running a program on SCE's new Wildomar Service Center, which was submitted to the USGBC as a LEED Platinum facility.
 - **CTAC Edison SmartConnect™ Exhibit** – A revised Connected Home/Garage of the Future exhibit was installed in the Innovation Center at CTAC. The display was updated with new technology, colors and graphic elements, to better showcase the SCE technology. The revised exhibit interactively shows SmartConnect™ and plug-in hybrid electric vehicle (PHEV) technology including various home load-shedding and control scenarios, electric vehicle charging and new customer benefit stories.

2008 Energy Efficiency Program Overview

- **Contractor Workshop** - On April 21, 2008 CTAC hosted a Contractor Workshop designed to educate vendors about Southern California Edison's Express Efficiency program, how to successfully promote this program to customers, and the specifics of how to complete a rebate application. The objective of this workshop was to increase program participation and lower the number of incorrect or incomplete rebate applications. This event was a collaborative effort between Express Efficiency, SCE's Business Solutions, and CTAC
- **North American Technician Excellence Training (NATE)** - CTAC, along with the Institute of Heating and Air Conditioning Industries, Inc., (IHACI) hosted the North American Technician Excellence (NATE) training which began on May 13. The evening sessions were held twice a week for four weeks. NATE training is the leading certification program for heating, ventilation, air conditioning and refrigeration technicians, and is the only test supported by the entire industry. These series of workshops are designed to help HVAC technicians prepare for the NATE Certification Exam, held at CTAC on Saturday, June 7. Approximately 100 Technicians attended each of the eight sessions.
- **California Energy Commission Seminars** - CTAC hosted three of the California Energy Commission's Industrial Best Practices seminars in May - Motor System Management, Pumping System Assessment and a two-day Advanced Compressed Air seminar. The CEC offers these classes to the IOUs and municipalities.
- **Inland Empire Illuminating Engineering Society (IES)** - The Inland Empire Illuminating Engineering Society offered a series of lighting classes at the Customer Technology Application Center (CTAC) in Irwindale to enhance members' knowledge of lighting techniques, technology, and applications and to prepare them for the Lighting Certification Examination. Those who successfully complete the Lighting Certification Examination are entitled to use the appellation, LC (Lighting Certified), after their name for professional purposes.
- **Mammoth Lakes, High Sierra Energy Summit** - The Energy Centers (CTAC and AgTAC) partnered with the High Sierra Initiative (the partnership between SCE and Mammoth Lakes) during the week of August 11th – 15th, to host five energy efficiency classes in the mountain community. The symposium focused on energy efficiency, renewables, codes and standards, climatology, and green design.
- **California Advanced Lighting Controls Contractor's Training Program** - The Energy Centers are partnering with SCE's Design and Engineering

2008 Energy Efficiency Program Overview

Services in development of a curriculum outline and learning objectives for the California Advanced Lighting Controls Contractor's Training Program. This training program, in conjunction with the International Brotherhood of Electrical Workers (IBEW) and the National Electrical Contractor's Association (NECA), will train electrical workers on how to install lighting control systems so they meet customer expectations and save energy. This training program is particularly important as field surveys show that lighting control systems are often not properly installed or commissioned and do not meet efficiency expectations. This effort is in direct support of the Workforce Education & Training section of the California Long Term Energy Efficiency Strategic Plan (Goal 1: Energy Efficiency Education and Training) to provide training and professional career development programs. More specifically, Goal 1-3: "Incorporate energy efficiency and demand side energy management into traditional contractor and technician training, such as for plumbers and electricians, and expand training resources to produce target numbers of trained workers."

- **California Community College Partnership EE Training Series Completed** - This five-course education series focusing on energy efficient operations and maintenance for building systems. Coordinated by CTAC in partnership with Edison's Community College/IOU Partnership, all 5 workshops were well attended and well received. A combined attendance of 129 guests attended the host campus of Citrus Community College, Glendora. Similar numbers were in attendance for the video-cast at Mesa Community College, San Diego, Skyline Community College in San Bruno, and smaller numbers in attendance at Butte Community College, in Oroville.
- **Energy Modeling for LEED** - Seventy customers attended a new half-day workshop, Energy Modeling for LEED presented by Martyn Dodd. Martyn's renowned expertise and knowledge of Title 24 and Energy Efficiency Modeling were reflected in his 100 percent effective communicator score and the overall evaluation score. CTAC also received high evaluation scores for presenting quality classes.

AGRICULTURAL TECHNOLOGY APPLICATION CENTER (AgTAC)

Edison AGTAC is a source of information about energy management and efficiency that provides solutions tailored to business needs by:

- Promoting energy solutions and customer competitiveness
- Staying abreast of new energy trends
- Providing education and consultations, displays, and equipment demonstrations

2008 Energy Efficiency Program Overview

Southern California Edison's Agricultural Technology Application Center (AGTAC) is a 30,000 square foot state-of-the-art facility with video conferencing capabilities, conference rooms, a computer lab, and a lighting lab. AGTAC can host large special events with professional catering services. At AGTAC you will find hands-on displays and exhibits to support the free EE seminars offered on topics such as: HVAC, lighting, building envelope technologies, energy management systems, electric motors, pumping & irrigation, programmable logic controllers (PLC's), foodservice equipment, and refrigeration. AGTAC also offers basic electricity and electrical safety classes.

In addition, AGTAC also has 3.5 acres of outdoor demonstration grounds (ODG) with several types of pumping and irrigation exhibits including a low pressure pumping station and a well pumping station. You will also find test plots of grapes, almonds and peaches that demonstrate EE irrigation technologies including special soil sensors and emitters to maximize irrigation efficiency. The ODG also includes a variety of energy efficient street lights exhibits showing the different types of lamps and poles available to city officials, developers, and contractors interested in implementing energy efficient technologies into new sub-divisions, shopping malls, or retrofits. The ODG also exhibits two solar displays, including a photovoltaic solar array.

Strategies implemented in 2008

- AgTAC EE Consultations in 2008: 76
- AgTAC EE Equipment Demonstrations in 2008: 459
- AgTAC EE Seminars in 2008: 79
- 2008 Highlights
 - **AGTAC PV Canopy and PV Tracking Demonstration areas**
Both PV demonstration areas were grid connected and are now generating power. Trackers are now operational tracking the sun to maximize power production. These displays will be used for class room training and to promote the California Solar Initiative program. The Tracking Demonstration area demonstrates the importance of positioning and shading effects. The Canopy Demonstration area is used to educate customers about the different PV panel technologies. As an added benefit these displays will offset AGTAC's electrical usage - at peak output these combined displays will deliver 30kW. The next phase, providing an interactive graphical interface for this display is underway. This interface will illustrate power and environmental information.
 - **2008 World Ag Expo**

2008 Energy Efficiency Program Overview

AGTAC had an exciting and successful week during the World Ag Expo of 2008. AGTAC presented two energy related agricultural seminars “Pump Efficiency and Water Source Protection” and “Energy Efficiency in Drip Irrigation”. AGTAC supported the SCE booth with energy efficient displays such as the ICF display, Cool Roof, Tunnel of Heat and the former Knott’s Berry Farm’s Edison interactive exhibits. On the evening of Feb.13, AGTAC was the site for the evening newscast of Univision 21 Spanish station which covers seven counties in the Central valley. SCE Corporate Communications provided an interview about AGTAC during the newscast. Approximately 692 people visited AGTAC in the three day span.

- **Low Pressure Pumping Exhibit**

AGTAC recently completed upgrades to the control system on the Low Pressure Pumping Exhibit. The outside kiosk was converted from an HMI (human machine interface) to a PC based touch screen control incorporating a data logging trending screen that shows the energy usage and volume of water pumped under different operating modes. This upgrade makes the exhibit more user friendly for classes and demonstrations, displaying the system information much easier for the customer to see and understand. The logging trending screen also allows scrolling through historical data to compare the energy usage in different modes of operation during the demonstration. The control system upgrades will also allow additional features and components to the system to further enhance this display’s ability to demonstrate energy efficiency to customers.

- **New high efficiency Heat Pump at AGTAC**

A new high efficiency heat pump with a SEER rating of 16 and variable speed-drive controls was installed in the administrative area of the main building at AGTAC. The new heat pump will be integrated with the future HVAC-Energy Management System (EMS) and a display will be available for customers to view in the lobby.

- **AGTAC’s Sustainability Building**

AGTAC’s ICF (Insolated Concrete Form) building has a new name: the “SUSTAINABILITY BUILDING.” The name change will strengthen the Energy Center’s integration plan and provide consistency by mirroring the same displays and graphics as CTAC’s Sustainability Center. The graphic displays in this building were upgraded to focus on LEED (Leadership in Energy and Environmental Design) and the noteworthy energy efficient features incorporated into this building. A new title header for the building was installed and plans are in progress for a graphic display to outline the efficient technologies in this building such as:

2008 Energy Efficiency Program Overview

- Insulated Concrete Form construction
 - Cool roof
 - Daylighting
 - Lighting EMS
 - Occupancy sensors
 - Efficient windows
 - Thermal Energy Storage Cooling System
- **Mobile Agricultural & Pumping Interruptible (API) Program Display**
Construction of the Mobile API Display was completed. This display will promote the API program and demonstrate for the customers how the program works. The display has a customer activated button on the front that will appear to send an 'event signal' to the API device to turn the pump off. After a 30 sec delay the pump will resume operation. The control of this display is via a PLC so we will also be able to use this as an example for our customers who are interested in controls.
 - **Automated testing controls for the SCADA / Low Pressure Exhibit**
Installed automated testing controls on the Low Pressure Exhibit in the AGTAC exhibit hall. The controls function similar to the Compressed Air Exhibit and will allow 'one button' demonstration of the benefits of using Variable Speed Drives and controls for pumping water. The system will automatically operate one pump in a full speed mode and reduce water flow via throttling a butterfly valve. After collecting energy consumption data, the system will operate the same pump using a variable frequency drive and will reduce the water flow to the same rate as the throttling test. Once the test is done the computer will display the difference in energy cost used under the different modes, clearly demonstrating the energy saving benefits to customers.
 - **Farming Clean Energy Conference**
In November the "Farming Clean Energy" 2-day conference was held at AGTAC, sponsored by the SJV Clean Energy Organization and Strategic Energy Innovations. 195 people attended and keynote speakers included A. G. Kawamura (California Department of Food and AG Secretary) and Connie Conway (Tulare Co. Supervisor and -elected California Assemblywoman). Other session speakers included representatives from the CEC, CA EPA, CA Regional Water Quality Control Board, SJV Pollution Control District, the SJVCEO, SCE, PG&E, SCG, and Kern Wind Energy Association as well as many other energy-related agencies and organizations. Several vendors were on hand to exhibit available products and services. This conference made progress in the inclusion of AgTAC in an overall plan for improving the

qualityof life in the Central Valley through energy efficiency and sustainability.

TECHNOLOGY AND TEST CENTERS (TTC)

TTC funded activities will continue leveraging its staff's core competencies in technology testing and market connection functions. The TTC will focus on activities that help remove concerns about performance uncertainties and lack of reliable information as market barriers for customers interested in installing energy efficient equipment in their businesses.

Strategies Implemented in 2008

- In 2008, established a total of 62 meetings with product manufacturers to learn about new technologies that have potential for inclusion in EE programs.
- Conducted 144 tours for SCE's internal and external customers, industry members, manufacturers and academia. These tours were designed to address energy efficiency challenges and solution strategies.
- Conducted four quarterly Technology Briefings for SCE's internal customers.
- Taught a lighting training class for SCE's customer service team.
- Taught a cold storage training class for customers in the northern part of SCE service territory.
- Established partnership with Western Cooling Efficiency Center (WCEC). The WCEC is a new research facility at UC Davis aimed at addressing cooling issues that are unique to western climates.
- Hosted an annual "celebration" recognizing the Technology Test Center achievements and industry partners. Attended by nearly 100 lighting, refrigeration, and HVAC industry partners.
- Continue to support other Energy Efficiency programs, such as Emerging Technology (ET) and Codes and Standards (CS), by maintaining and providing laboratory facilities and services.

ENERGY DESIGN RESOURCES (EDR)

EDR is a statewide energy efficiency resource website that includes resources materials to design and build highly efficient new commercial buildings integrating sustainable concepts. Future development of the website includes expansion of resource materials about effective energy efficiency design and applications for new residential facilities and industrial, agricultural, commercial, and residential retrofit environments.

Strategies implemented in 2008

- **EDR Strategic Development**

2008 Energy Efficiency Program Overview

The Statewide EDR committee agreed that the EDR concept would be expanded to include residential new construction and residential and nonresidential retrofit materials and tools. The goal is to establish a management and operational structure in the next year. New content solicitations will begin with the adoption of the 2009 - 2011 Program Implementation Plan.

- **Website Development**

EDR and Savings by Design websites were fully migrated to the .NET server. A redesigned EDR website was launched in Q2. It included the integration of a website content management tool.

- **Content Creation**

Several products (design briefs, business cases, tools, etc.) including "Automated Commissioning for Nonresidential Buildings", "Demand Control Ventilation Strategies", "HVAC Radiant Cooling", and "Kitchen Hood DVC Energy Savings Calculator."

- **Educator's Forum**

Innovative new concept to encourage integration of thoughtful and creative exploration of energy efficiency/sustainability into related college and university course material. This EDR activity funded an energy efficiency lecture series at UC Davis and sponsored a student project at California Polytechnic University at Pomona.

NONRESIDENTIAL REMOTE ENERGY AUDITS (NRREA)

NRREA strategy offers business customers remote energy audits. The audits mechanisms consist of online, via www.sce.com, mail-in/mail-back, over the phone, and CD-ROM do it yourself customer energy audit reports. The remote audits were available in English (all channels), Spanish (online, mail, and phone) and Chinese (online).

Strategies implemented in 2008

- Completed 466 online energy audits in 2008.
- Completed 580 phone audits in 2008.
- Completed 2 mail-in audits in 2008.
- Completed 896 mail-in audits in 2008.
- Outreach efforts performed via account representative and partnerships.

MOBILE ENERGY UNIT (MEU)

MEU is a converted 35-foot Winnebago recreational vehicle equipped with program literature, educational materials and energy efficiency technologies and displays. The Second Unit (Tent) is an indoor or outdoor display, which features technologies and showcases SCE energy efficiency rebate and incentive programs. The purpose of the MEU, a marketing and outreach vehicle, is to promote SCE's residential and non-residential programs, including Demand Response, Self Generation, and Low Income Energy Efficiency, which includes Energy Management Assistance or EMA and CARE.

Strategies implemented in 2008

- Redesign the MEU and begin work to roll out new hybrid plug-in MEU for 2009-2011.
- Redesigned and distributed the Residential Energy Guide during 2nd quarter of 2008.
- By the end of 4th Quarter, the MEU provided customers educational materials regarding energy efficiency, demand response, self-generation and low-income programs to 67,057 customer contacts at various events.
- The program completed 119 events in 2008, including:
 - May Air Reserve Base Air Show
 - Children's Mid-Autumn Festival-"Youth and Green Earth"
 - 14th Annual Children's Game & Fair
 - Tustin Chili Cook-Off
 - Rialto City 10th Annual International Family Festival
 - Water Fest in San Gabriel
 - Upland High Earth Week
 - Water Fair & Festival 2008

THE BUILDING OPERATOR CERTIFICATION (BOC)

The Building Operator Certification program strategy (BOC) is a nationally recognized training and certification program for building operators offering energy efficiency strategies including demand response, load management, energy conservation and building maintenance practices. The program training consists of Level I and Level II classes.

Strategies implemented in 2008

- **Conduct Training and Certification**

A total of six class series were conducted in 200 -- four level I and two level II classes. Level I classes targeted a total enrollment of 80 (20 per class) and

2008 Energy Efficiency Program Overview

achieved actual enrollment of 86, exceeding target by seven percent. Classes were hosted in Irwindale, Irvine, Northridge, and Ontario.

Level II classes targeted a total enrollment of 30 (15 per class) and achieved actual enrollment of 55, exceeding target by 45 percent. Classes were hosted in Irvine and Santa Barbara.

- **Promote Training**

BOC promoted its program offering through free informational Webcasts and newsletters as well as maintaining a presence in relevant trade shows. In 2008, a total of 5 webcasts were held with a total of 422 registrants. Additionally, Winter/Spring and the Summer/Fall editions of "The BOC Bulletin" were mailed to 2,000 recipients. The program was exhibited and presented in the following trade shows:

- CA Association of School Business Officials
- CA Society of Healthcare Engineers
- Pacific Coast Association of Physical Plant Administrators
- BOMA Greater Los Angeles
- Southern California Facilities Expo

CUSTOM LANGUAGE EFFICIENCY OUTREACH (CLEO)

CLEO is a Non-resource, local, highly targeted residential energy efficiency marketing, outreach education and training program that targets hard-to-reach, Vietnamese, Indian, Chinese and Korean, (VICK) speaking residential customers of SCE and SCG.

CLEO is a 'Non-Resource' program with no energy saving goals. However the program, whenever possible, encourages implementation of energy efficiency measures.

Strategies implemented in 2008

- YTD, CLEO has completed all 2006-2008 goals related to program implementation including completing:
 - 77 Seminars / 103% of goal
 - 2,748 HEES Surveys / 137% of goal
 - 18 Community Booths / 120% of goal
 - During the 2008 program year, marketing dollars intended to promote program awareness shifted from Televisions advertisements to Radio and Newspaper advertisements based upon the needs of the programs targeted demographics. The program continues to build significant community relations and brand recognition.

2008 Energy Efficiency Program Overview

- In 2008 CLEO continued the pilot HEES component as an extension of its program providing In-Home In-Language Audits to Vietnamese, Chinese and Korean Customers. In-Home In-Language strategy was a success in 2008 and resulted in 2,112 In-home In-language surveys and 189 In-language Telephone Surveys.
- The CLEO launched and updated its new website www.cleosave.com. In 2008. Customer can view and enroll for upcoming seminars and request free in-home surveys directly from the web-site.

STATEWIDE EMERGING TECHNOLOGIES

Program Description

The Statewide Emerging Technologies (ET) program is an information-only program that seeks to accelerate the introduction of innovative energy efficient technologies, applications and analytical tools that are not widely adopted in California. ET may include hardware, software, design tools, strategies and services. There are a daunting amount of market barriers which must be overcome for a new energy efficient product to gain acceptance. The ET program intends to help accelerate a product's market acceptance through a variety of approaches, but mainly by reducing the performance uncertainties associated with new products and applications. The program targets all market segments.

Strategies implemented in 2008

- Accelerated the introduction of energy efficiency technologies, and analysis tools that are not widely adopted in various California markets.
- Verified the performance of the technologies in the laboratory under control environment.
- Demonstrated the technologies in actual field conditions.
- Developed computer simulation tools for calculating the energy savings demand reduction for various energy measures.
- Transferred assessment results to Energy Efficiency Programs as an energy measure.
- Transferred the knowledge to customers as well as engineering and design communities.
- Conducted workshops for both internal and external customers.
- Developed fact sheets for Account Managers and Account Executives to be handed to their customers.
- Coordinated with other utilities through the ET Coordinating Counsel.

STATEWIDE CODES & STANDARDS PROGRAM

Program Description

The statewide Codes and Standards (C&S) program is a resource program that advocates upgrades and enhancements in energy efficiency standards and codes. Program activities are conducted over long-term code upgrade cycles. Support of building code cycles, for example, may require seven years of continuous support. Codes and Standards Enhancement (CASE) studies for energy efficiency improvements are performed for promising design practices and technologies and are presented to standards and code-setting bodies.

The C&S program offers the state expert testimony to promote standards that approach best practices in energy efficiency, which becomes critically important as stakeholders voice opposition to improvements to building and appliance standards throughout the public workshops and hearings process. Additionally, the program supports implementation and compliance of energy efficiency standards through strategic initiatives or training. The program targets all market segments.

Strategies implemented in 2008

- Continued the transition from an information-only program to a resource acquisition program. This put an emphasis on developing CASE studies that would result in code changes that would result in energy savings and demand reduction.
- Continued working with the CPUC Measurement & Evaluation consultant to evaluate the 2006-2008 C&S program.
- SCE continued to work closely with the Standards and Public Interest Energy Research (PIER) staff and Commissioners of the California Energy Commission (CEC) and other IOUs to enhance the appliance energy regulations and the building energy standards.
- In addition to working on CASE studies that would enhance California energy codes and regulations, SCE also worked on studies that would affect Federal energy regulations that result in energy savings for SCE customers.
- SCE continued to develop CASE studies for the 2011 Title 24 building energy standards while still working with the CEC on the deployment of the 2008 Title 24 standards, and conducting training for the 2005 and upcoming 2008 Title 24 standards.
- SCE wrote and edited various versions of the California Long Term Energy Efficiency Strategic Plan and the Codes and Standard Program Implementation Plan for 2009-2011.

2008 Energy Efficiency Program Overview

- SCE continued to participate in the development of various reach codes, guidelines, and ratings systems such as the California Green Building Standard, ASHRAE/IESNA/USGBC Standard 189 (Green Building Code), Collaborative for High Performance Schools, etc.
- SCE continued code compliance improvement activities that includes a Code Compliance Roundtable discussion that gathered a wide spectrum of perspectives on the reasons for non-compliance and approaches to improve compliance.
- SCE initiated the following 20 CASE studies:
 - Walk-In Cooler Appliance Regulations (Title 20)
 - Commercial Electric Clothes Dryers (Title 20)
 - Task Ambient Lighting, Phase 2 (Title 24)
 - Large Industrial Battery Chargers (Title 20)
 - Regional HVAC Standards (federal)
 - Acceptance Testing Requirements Enhancements (Title 24)
 - Outdoor Lighting Symposium (Title 24)
 - Conversion to Lighting Energy Density Basis (Title 24)
 - Daylighting Metrics— Research Tool for Daylit Spaces (Title 24)
 - Daylighting Metrics— Prescriptive Requirements for Sidelighting (Title 24)
 - Daylighting Metrics— Revised Prescriptive Requirements for Skylighting (Title 24)
 - Daylighting Metrics— Title 24-2008 Implementation Study (Title 24)
 - Daylighting Metrics— Software Development Study (Title 24)
 - CALRES Enhancements (Title 24)
 - Very Low Energy Cooling Study (Title 24)
 - Refrigerant Leakage from Commercial Refrigeration Systems, Supermarkets (Title 24)
 - Energy Use Study (Title 24)
 - Commercial Refrigeration NOPR (federal)
 - Refrigerator and Freezer Framework (federal)
 - Federal Refrigerated Beverage Vending Machine ANOPR (federal)
- In addition, nine local Title 24 training classes were conducted:
 - California Codes and Standards Program, CEE Winter meeting
 - Collaborative for High Performance Schools, Green Pasadena Summit
 - Title 24 and Codes and Standard Program, Santa Barbara Built Green Conference & Expo (presented twice)
 - Training for Contractors: Lighting Systems and Controls
 - NFRC Site Built Fenestration

2008 Energy Efficiency Program Overview

- Train the Trainer: Electrical Contractor Training for Advanced Digital Lighting Controls
- Title 24 Overview, US Air Conditioning Distributors Technical Development Program
Green Schools Panel (CHPS), California School Board Association

STATEWIDE MARKETING AND OUTREACH PROGRAMS

The marketing and outreach programs convey the important message of energy efficiency and conservation to the general consumer through a consistent and recognizable presence throughout California. As noted by the Commission, statewide marketing and outreach programs “work towards the goal of increasing the efficiency of energy use through energy information, marketing and outreach, education and training and other approaches that do not directly involve or result in the installation of energy efficient equipment or measures at customer premises”. For the 2006-2008 program cycle the programs will be coordinated under the Flex Your Power campaign. This coordination will be accomplished through regular scheduled meetings among the three providers and representatives of the four IOUs, allowing for a seamless and coordinated statewide marketing and outreach offering which will serve as the focal point for the general energy efficiency and conservation message to the consumers. The following programs make up the 2008 Statewide Marketing and Outreach program portfolio, and the 2008 program strategies implemented.

Statewide Marketing & Outreach – Flex Your Power

Program Description

The Flex Your Power statewide energy efficiency marketing and outreach program is an extension of the innovative and historically successful Flex Your Power public education and outreach effort initiated by the State of California in 2001. The program works in partnership with the investor-owned utilities (IOUs), third parties and businesses, local governments, water agencies, non-profits and others, including the state and federal government agencies with responsibility for energy and water efficiency.

Strategies implemented in 2008

- Advertisement through a variety of mediums (i.e. television, TV Partnerships, radio, radio partnerships, Outdoor/Out-of-Home (billboards, bus), online and search, ethnic TV, radio and newspaper Website and Email
- Outreach to commercial, industrial, governmental, and agricultural sectors via Best Practice Guides/Printed Materials and Awards.

Statewide Marketing & Outreach – UTEEM

Program Description

The Flex Your Power Spanish Television program is a statewide marketing and outreach program targeted to Hispanics, ages 18 to 49, who speak Spanish at home. The secondary target is homeowners with incomes of \$50,000 and above.

The program uses the preferred news and entertainment medium of Spanish language television to increase Hispanic awareness and consideration of energy-saving programs and incentives provided by the state's four IOUs.

Strategies implemented in 2008

- Twenty-week schedule of 30-second Spanish language commercials on California's 12-station Univision network, 10-station Telefutera network and 10-station Azteca America Network.
- Bonus schedule of 10-second commercials valued at approximately 50% of paid schedule on Univision/Telefutera. Bonus schedule of :30 and :15 web directional commercials on Azteca America.
- Press releases distributed by all Azteca America stations to Spanish-language newspapers announcing the launch of the Flex Your Power/Comienza Hoy campaign.
- Minimum of two interviews per station annually, on locally produced Univision news programming and/or talk shows to further clarify energy efficiency issues.
- Special :60 vignettes aired on Azteca America stations.
- Radio support for Azteca in Sacramento.
- Thirty-three Univision-sponsored community events per year, with distribution of Flex Your Power program literature and tip cards. Twenty-three events at which Azteca distributed Flex Your Power program literature and tip cards.
- Roulette wheel game at special events to generate audience interest in energy-saving tips and ideas.
- Use of a centralized toll-free phone number and phone tree shared by Staples Marketing, Efficiency Partnership and Runyon Saltzman & Einhorn (RS&E). Callers are connected to the appropriate utility for access to Spanish language energy efficiency information and programs.
- Selection of Guillermo Quiroz, meteorologist of KMEX Univision Los Angeles, as talent and campaign spokesperson to leverage his credibility and high profile with Spanish-speaking audiences. Azteca America spots featured their own on-air talent.

2008 Energy Efficiency Program Overview

- Promotion of climate-specific cooling equipment according to region to make program more relevant to residential customers living in different parts of the state.
- Online campaign hosted by Azteca America, including video pre-rolls, banners and skyscraper ad units, a fixed home page sponsor unit and geo-targeted ads apart from the home page unit for a total of 2,100,000 impressions. The online campaign linked users to FlexYourPower.org.

Statewide Marketing & Outreach – Flex Your Power Rural

Program Description

The Flex Your Power Rural market campaign is a comprehensive statewide energy efficiency communications effort designed to encourage residential energy users in rural areas to participate in statewide gas and electric energy efficiency activities.

The program objectives identified for the rural initiative are:

- Primarily, to maintain and expand awareness among rural residential energy consumers that household energy consumption is a significant contributor to global warming.
- Secondly, to educate and inform rural audiences statewide as to specific measures they can take to save energy and thus reduce green house gas emissions, e.g. using a ceiling fan in place of an air conditioner and replacing incandescent lighting in their homes with CFL alternatives.

Strategies Implemented In 2008

- Purchased and placed three flights of media in rural markets throughout California. This media buy included print, web banners and radio executions. The rationale behind selecting these media vehicles is predicated on the following: affordability of media vehicle, physical properties of the vehicle and each vehicle's geographic coverage.
- The three flights of media focused on the respective messages: Winter Heating (January and February), Summer Cooling (June through September) and Winter Heating (November and December).
- Creative executions were centered on the theme of global warming. The ads encourage rural Californians to do their part in the fight against global warming by making energy efficient choices in their homes. All ads were branded with Flex Your Power displayed in a consistent manner with the other marketing and outreach programs, while specifically appealing to rural customers.

2008 Energy Efficiency Program Overview

- Implemented well-established and successful community outreach component where community-based organizations (CBOs) work in partnership with RS&E to complement the media strategies and enhance overall campaign effectiveness.
- Recruited 16 rural CBOs, statewide. The CBOs were selected based on the proposed scope of work and budget, establishment in their communities and ability to communicate with the target audience.
- Once selected, the community outreach partners attend a 2-day training, hosted by RS&E, where they learn the history and goals of the campaign, presentation skills, how to create media-worthy events, how to speak to the media, how to attract crowds to educational exhibit and how to purchase and place print ads in local publications such as community newsletters, event programs, movie theaters, etc.
- After CBO teams were trained, they implemented their local outreach strategies. CBO teams were required to provide monthly, mid-year and end-of-year reports.
- Continued monitoring of the toll-free phone line, 1-866-431-FLEX. All statewide marketing and outreach teams used this phone number as a call-to-action in their marketing activities.
- Developed and executed a Hispanic Marketing and Public Relations component to our rural outreach. RS&E secured Spanish-language media partnerships in rural IOU territories. Through these radio and print partnerships, RS&E was able to place translated Flex Your Power ads, gain earned media and have exposure at Hispanic market events.
- As an effective grassroots tactic, developed and distributed collateral items. Each item is branded with the Flex Your Power logo, Web site and toll-free phone number information. The collateral pieces were distributed by the CBO outreach partners and Spanish-language media partners. Items developed in 2008 included: Frisbees, bag clips, CFL squeeze balls, recycled material pens, Sunflower seed packets, and tip cards.

SECTION 1

ENERGY SAVINGS

Table 1

Table 1: <i>Electricity and Natural Gas Savings and Demand Reduction</i>						
Annual Results	Installed Savings [1]	CPUC Adopted in D. 04-09-060 Goal	% of Goal	% of 3-year Portfolio Goal	Balance	
<i>2008 Energy Savings (GWh) – Annual [2,4]</i>	1,692	1,167	145%	54%	-	
<i>2008 Energy Savings (GWh) – Lifecycle</i>	15,050	-			-	
<i>2008 Natural Gas Savings (MMth) – Annual</i>	-	-			-	
<i>2008 Natural Gas Savings (MMth) – Lifecycle</i>	-	-			-	
<i>2008 Peak Demand savings (MW) [2,4]</i>	345	246	140%	51%	327	

[1] Results from activity installed in 2008 only.

[2] Includes savings from Low Income Energy Efficiency and Pre-2006 Codes and Standards.

[3] Includes lifecycle savings from Low Income Energy Efficiency, but not Pre-2006 Codes and Standards.

[4] Includes savings from the Palm Desert Partnership program.

Footnote 1

SCE refined its existing program offerings and developed new offerings as appropriate to continue delivering measurable energy savings results throughout the portfolio. The following programs and program strategies were successfully implemented during the past year, and contributed greatly to the portfolio energy savings results:

Appliance Recycling Program

In 2008, the Appliance Recycling Program (ARP) achieved significant energy savings and made a substantial contribution to the total energy savings results. ARP achieved the highest annual volume since inception of the program in 1994 with over 87,000 working refrigerators and freezers collected from program participants. The program's marketing plan continued to educate customers on the energy cost associated with older refrigerators and freezers and focused on the environmental benefits associated with the program, as well. A major marketing campaign was conducted in the summer to promote ARP which produced significant program participation during those months. ARP continued to work with retailers by strategically placing point of sale materials in stores selling refrigerators and freezers. The program was also leveraged

¹ The data shown in this annual report is based on SCE's ex-ante modified savings, adjusted for actual installations, and has not been verified through ex-post impact analysis by the CPUC.

with other Energy Efficiency Partnership program activities and outreach events, such as “Pick-Up Day Events.” Operationally, the program's continued use of the new real-time software/PDA hardware technology, introduced in 2007, improved productivity (e.g., streamlined scheduling and pick-ups) and increased customer satisfaction (e.g., ARP's Service Delivery Satisfaction measured by SCE market research increased from 87% in 2007 to 94% in 2008).

Residential Energy Efficiency Incentive Program – Residential Upstream Lighting Program

In 2008, the Residential Lighting Incentive Program delivered considerable energy savings results. The program included more specialty lamps than in any previous year. Product quality control efforts were continued such as participation in P.E.A.R.L. off-the-shelf testing, and new enhancements in internal and retailer controls.

Business Incentives & Services – Express Efficiency

In 2008, the Express Efficiency component of the Business Incentives & Services Program, made substantial contributions to the 2008 energy savings. Some examples of this success were achieved by participating in numerous outreach events and educating customers and vendors. The program added measures in Lighting and Food Service, which helped increase customer participation. Additional strategies included the collaboration of the Express Program Management statewide team (Energy Star, PG&E, SDG&E and SoCalGas). Vendors and SCE Account Executives also helped identify new energy savings opportunities and overcame market barriers.

Nonresidential Direct Installation

In 2008, the Nonresidential Direct Installation program worked extensively with the program implementers to proactively provide tools and resources that would bolster program participation. In particular, strategies included providing lists of target customers to the contractors which were used in conjunction with expansive marketing efforts which focused on a face-to-face approach to program promotion. The program's marketing plan also included providing language appropriate brochures and flyers where applicable.

Standard Performance Contract

In 2008, the SPC component of the Business Incentives & Services Program, made substantial contributions to the 2008 energy savings. SPC has performed well as an energy efficiency program and will continue to have a significant impact on energy efficiency goals. To ensure future success of the program, new strategies were implemented to increase participation. SCE allowed additional measures into the program to offer participants greater flexibility and more opportunity to receive

incentives. SCE also modified the Measure Cost Cap to be based on 50% of the total project cost rather than by each measure category.

During 2008, the following program was dropped from the portfolio:

Program Name	Reason for Cancellation
80 Plus	<p>In approximately 3 years, there still has been nearly zero energy savings from this program and its predecessors. Although SCE repeatedly asked for new mechanisms to be put into place to allow some outside verification of the OEMs such as Dell and HP that refuse to release customer data, no progress has been made. Ecos was also unable to provide simple documentation tracing the rebate payments to the SIs. Ecos has also been unable to secure an agreement with HP after their public announcement of such and has performed little marketing in SCE's service territory.</p>

SECTION 2

EMISSION REDUCTIONS

Table 2

Table 2:								
<i>Environmental Impacts</i>								
Annual Results [1]	Annual tons of CO2 avoided	Lifecycle tons of CO2 avoided	Annual tons of NOx avoided	Lifecycle tons of NOx avoided	Annual tons of SOx avoided [2]	Lifecycle tons of SOx avoided [2]	Annual tons of PM10 avoided	Lifecycle tons of PM10 avoided
2008 Portfolio Targets [3]	727,936	6,981,157	99	946			47	448
2008 Total	934,262	8,348,770	127	1,125	-	-	60	537

[1] Environmental impacts do not include those attributed to Low Income Energy Efficiency or Pre-2006 Codes and Standards.

[2] The avoided SOX reductions are not calculated in the E3 calculator. It was determined by E3 that none of the IOUs use coal power on the margin and the energy efficiency savings have impact on the margin only. This is the basis for the E3 analysis as reviewed by all interested parties and approved by the Commission.

[3] 2006 - 2008 targets were filed with the Commission as part of SCE's Compliance Filing, dated January 6, 2006, and adopted by the Commission on April 18, 2006.

Footnote 2

Programs and program strategies that were successfully implemented during the past year that contributed to the emissions reductions reported in the table above.

SCE embraces the fact that energy efficiency is the utility sector's first and most cost-effective response to global climate change and we are firmly committed to making major contributions to California's climate change commitments. The Commission has mandated that the utilities report their results using the E3 Calculator tool. This tool includes many imbedded calculations, such as avoided costs and emission factors, all of which have been approved by the Commission. Pursuant to the Commission's authorization to use the E3 Calculator tool, SCE entered its results into the E3 Calculator and determined the amount of emission reductions attributed to the successful implementation of the 2008 portfolio of energy efficiency programs. These results are shown in the table above.

Brief explanation of the assumptions used in the calculation, i.e., the emission rate used, gas combustion type, net-to-gross.

² The data shown in this annual report is based on SCE's modified ex-ante savings, adjusted for actual installations, and has not been verified through ex-post impact analysis by the CPUC.

The environmental benefits (annual and lifecycle CO₂, NO_x, and PM₁₀ reductions) in this document are pursuant to the values adopted in D.05-04-024 (Avoided Costs Decision), as developed by Energy and Environmental Economics, Inc. (E3) and produced in their 2004 Report.

E3 calculated the avoided environmental cost, or emissions costs, as the sum of NO_x, PM₁₀, and carbon emissions (CO₂) costs, increased by marginal energy losses for each TOU period. E3 estimated the emissions avoided cost streams by multiplying the costs per pollutant (on a yearly basis) by the emission rate (per hour of the year). The emissions costs vary by voltage level, hour, and year.

- The NO_x costs (\$/MWh) are based on California offset prices generators must pay for NO_x emissions, and the estimated emission rate of NO_x at the implied heat rate of the market price. The NO_x cost per MWh of energy saved at the customer site is increased by the incremental energy losses in each TOU period between the end use and the bulk system. In Period 1, when the forward market prices of electricity are based on NYMEX forward market prices, we assume that these prices already include the cost of NO_x emissions so this value is equal to zero in Period 1.
- The PM₁₀ costs (\$/MWh) are computed similarly to the NO_x costs, with the emission cost based on the California PM₁₀ market prices and the estimated rates of emissions by the implied heat rate. The PM₁₀ costs are also assumed to be included in the NYMEX forward market prices.
- The CO₂ costs (\$/MWh) are an estimate of avoided costs for reduction in CO₂ per MWh saved at the customer site. Currently there is no requirement to purchase CO₂ offsets in California so the avoided cost of the CO₂ emissions is based on prices in other markets.

The environmental benefits utilized in the cost-effectiveness analysis of the programs herein are only applicable to the appropriate reporting of energy efficiency programs for 2006-2008. The factors utilized in the development of these environmental benefits were agreed to specifically to reflect an appropriate and approximate value for the reduced energy savings due to energy efficiency programs. As such, these environmental benefits should not be used in any other context and should also be reviewed for future use in energy efficiency program planning and evaluation.

Emission Reductions

The emission reduction values for SO_x are not included in the environmental benefits (annual or lifecycle) in this document; as such values were not included in D.05-04-024 (Avoided Costs Decision), as developed by E3 and produced in their 2004 Report.

Emission reductions are directly related to the net energy savings derived from the energy efficiency portfolio. As such, the emissions reductions reported herein reflect the net energy reductions also reported in this report.

How these numbers are consistent with the current developments in the Green House Gas Proceeding currently open before the Commission or its successor proceeding (R.06-04-009).

The environmental benefits utilized in the cost-effectiveness analysis of the programs herein are as adopted for the energy efficiency programs only and are currently applicable to the appropriate reporting of energy efficiency programs for 2006-2008. The factors utilized in the development of these environmental benefits were agreed to specifically reflect an appropriate and approximate value for the reduced energy savings due to energy efficiency programs. As such, these environmental benefits should not be used in any other context and should also be reviewed for future use in energy efficiency program planning and evaluation.

SECTION 3 EXPENDITURES

Table 3

Table 3:				
<i>Expenditures</i>				
	Adopted Program Budget (3 - Yr)	Cumulative Annual Expenditures	Percent of Portfolio Budget (3-yr)	Percent of Total Annual Expenditures
Summary of Portfolio Expenditures				
Total Portfolio Expenditures				
Administrative Costs		\$ 31,371,914	4.65%	10.44%
Marketing/ Advertising/ Outreach Costs		\$ 31,080,113	4.61%	10.34%
Direct Implementation Costs		\$ 238,163,277	35.29%	79.23%
Total Portfolio Expenditures	\$ 674,832,000	\$ 300,615,304	44.55%	100.00%
<i>Total Competitive Bid Program Expenditures (sub-component of portfolio)</i>				
Administrative Costs		987,492	0.15%	0.33%
Marketing/ Advertising/ Outreach Costs		-		
Direct Implementation Costs		94,413,373	13.99%	31.41%
Total Competitive Bid Program Expenditures	\$ 235,898,968	\$ 95,400,865	14.14%	31.74%
<i>Total Partnership Program Expenditures (sub-component of portfolio)</i>				
Administrative Costs		3,773,128	0.56%	1.26%
Marketing/ Advertising/ Outreach Costs		820,963	0.12%	0.27%
Direct Implementation Costs		21,052,447	3.12%	7.00%
Total Partnership Program Expenditures	\$ 44,239,053	\$ 25,646,537	3.80%	8.53%
Total EM&V Expenditures				
EM&V IOU		\$ 4,061,506	7.55%	37.72%
EM&V JOINT STAFF		\$ 6,706,261	12.47%	62.28%
Total EM&V Expenditures	\$ 53,800,240	\$ 10,767,766	20.01%	100.00%

Footnote 3

³ The data shown in this annual report is based on SCE's modified ex-ante savings, adjusted for actual installations, and has not been verified through ex-post impact analysis by the CPUC.

Description of SCE's Partnership programs that were included in the portfolio in the past year:

Partnership Name	Program Description
Local Government Energy Action Resources	Local Government Energy Action Resources program (LGEAR) optimizes the opportunities for jurisdictions and their communities to work toward the common goal of achieving short and long-term energy savings, reduced utility bills, and an enhanced level of comfort in municipal and commercial buildings as well as homes. Partners are offered technical assistance to overcome barriers to energy efficiency. In return they leverage their communications infrastructure to provide information to businesses and residents on utility programs to save energy, save money and the environment. Partnering communities funnel existing energy programs and do not offer direct incentives or rebates. One of the major benefits to partners is the opportunity to provide environmental stewardship and leadership to their communities in the wise use of scarce energy resources.
Mammoth Lakes Partnership (LGEAR Partnership)	The Mammoth Lakes partnership implements the LGEAR concept working with the Town of Mammoth. Works with partners to identify and respond to the energy needs of the town and funnel programs as appropriate.
Ridgecrest Partnership (LGEAR Partnership)	The Ridgecrest partnership implements the LGEAR concept with the City of Ridgecrest. The program works with partners to identify and respond to the energy needs of the City and funnel programs as appropriate.
Ventura County Partnership	The partnership finds new opportunities for providing energy efficiency services to public agencies and community asset organizations within the region through in-depth technical assistance and project implementation support. In addition, the program offers an energy resource center, energy education, and training and outreach events.
South Bay Partnership (South Bay Cities of Council of Governments (SBCCOG))	The South Bay Partnership optimizes the opportunities for the fifteen local governments of the South Bay and their communities to work toward the common goal of achieving short-and long-term energy savings, reduced utility bills, and an enhanced level of comfort in municipal and commercial buildings as well as homes. The program offers an energy center, education and training, promotion and outreach.

Partnership Name	Program Description
Bakersfield and Kern County Partnership	The Bakersfield and Kern County Energy Watch Partnership was designed to achieve immediate, long-term peak energy and demand savings, and establish a permanent framework for sustainable, long-term, comprehensive energy management programs. Additionally, the program sets the foundation for sustainability and best practices for the partnership's participating jurisdictions and customers. The program features incentives for retrofit of county facilities, small business and residential direct install, as well as education, training and outreach.
Santa Barbara Partnership (South Coast Energy Efficiency Partnership)	The Santa Barbara partnership assists and facilitates residents and businesses and other city and county government officials in understanding, managing, and reducing their energy use and costs, and positions the partners as leaders in the region in energy management practices. Although this program was filed separately, it follows the LGEAR model providing technical assistance to partners and funnels the existing portfolio of energy programs.
Community Efficiency Partnership (Non-resource/Resource)	CEP is a demonstration program modeling how an effective city government and utility relationship can generate real and sustained energy savings through direct measures, educational curricula, community awareness efforts, efficient product distributions, and promotions to residential and small commercial customers. It is purposely broad and is a continually evolving set of initiatives in the partner communities to raise awareness about energy efficiency.
San Gabriel Valley Energy Wise Partnership	The San Gabriel Partnership is a continually evolving set of initiatives in the partner communities that raises awareness about efficiency, and gets efficient products into the homes and small businesses. It is purposefully broad and includes education, training, marketing and outreach, and efficient product distributions and promotions. The program provides incentives for energy efficiency retrofits of municipal facilities and also works to funnel the existing portfolio of energy programs.

Partnership Name	Program Description
Santa Ana Partnership	The Santa Ana partnership implements the LGEAR concept with the City of Santa Ana. The program works with partners to identify and respond to the energy needs of the town and funnel programs as appropriate. In addition to implementing the LGEAR concept, the City of Santa Ana was chosen to pilot the Energy Leader Model for the 2009-11 program cycle. The new Energy Leader Model is a standardized approach for all Local Government partnerships encouraging municipal facility retrofits and community outreach.
Palm Desert Partnership	The Palm Desert partnership is a fully resourced energy efficiency program with its own unique set of measures, incentive amounts, and goals. This program seeks to achieve maximum energy and demand savings through the combined efforts of the City of Palm Desert, The energy Coalition, SCG and SCE. Aggressive goals of 30% reductions in energy usage and demand have been established. In addition to these quantifiable goals, the purpose of this partnership is to establish a model for other communities to replicate.
Federal Direct Install	Federal Energy Efficiency Direct Install Initiative has a focus on the installation of energy efficiency measures into previously hard to reach Federal sector commercial and residential areas.
California Community Colleges Partnership	The CCC/IOU Partnership Program includes the implementation of retrofits, New Construction, and Retro-Commissioning (RCx)/Monitoring-Based Commissioning (MBCx) projects. The Program also focuses its efforts on Training and Education, which will expand existing vocational education programs, while training faculty and staff on best practices on energy efficient technology implementation and energy management.
California Department of Corrections and Rehabilitation Partnership	The CDCR/IOU Partnership consists of several components, which include Retrofits, New Construction, and Retro-Commissioning projects. The partnership focuses on training and education, which provide information on best practices for energy efficiency management and conservation, which targets not only the maintenance and operations staff but also on the wardens and other end-users at each of the facilities.

Partnership Name	Program Description
SCE-SCG County of Los Angeles Partnership	This partnership continues to achieve immediate electric and gas energy savings and peak demand reduction at county facilities. These energy savings are being accomplished by applying the retro-commissioning (RCx) processes that will result in the implementation of recommended energy efficiency measures to optimize the operation of HVAC and Lighting systems in each building.
County of Riverside Partnership	The County of Riverside partnership program aims to deliver immediate electric and gas energy savings and peak demand reduction in Riverside County facilities. These energy savings will be accomplished by implementing retrofit and modernization projects utilizing SCE's traditional programs such as Standard Performance Contract (SPC), Savings by Design and will also include a pilot Retro-Commissioning (RCx) project in one of the counties' buildings.
UC-CSU Partnership	The UC and CSU systems consume vast quantities of energy and, as a combined entity, make up a significant portion of both electric and natural gas in the State of California. They are large, complex organizations with a broad set of goals, stakeholders, processes and constituencies. They are diverse from a geographic, climate, and operational needs standpoint, and with this size and diversity also comes a considerable opportunity to save energy use and cost on a scale that is meaningful to the IOUs and to California. The UC/CSU/IOU Energy Efficiency Partnership program is designed to meet these challenges.
State of California Partnership (formerly Department of General Services Partnership)	The State of California (State) and Investor-Owned Utility (IOU) Partnership was created to assist the State in reducing the amount of energy it purchases off the electrical grid by 20 percent by the year 2015, as required by Governor Schwarzenegger's Green Building Initiative (GBI). The State/IOU Partnership maximizes the limited budget dollars that State agencies can apply toward energy efficiency efforts.

Partnership Name	Program Description
County of San Bernardino Partnership	The County of San Bernardino Partnership was formed at the end of 2008. Its focus is to deliver an integrated support model for the County of San Bernardino to take advantage of the entire portfolio of energy programs and services and other resources. Included in these efforts will be coordination with Demand Response (DR), California Solar Initiative (CSI), new construction, and more. This Partnership will assist the County in achieving its green policy initiatives to formulate an integrated approach to energy efficiency. This will be a collaborative effort with the aim of building an infrastructure that would efficiently deliver cost effective energy efficiency projects thus reducing the “carbon footprint” of County facilities. It would also provide a comprehensive outreach and education element to raise awareness about the benefits of energy efficiency. County facilities will be targeted for the retrofit, retro-commissioning (RCx), and new construction elements.

Description of the programs that were selected as part of the competitive bid process required by the Commission, as well as an assessment of how the portfolio is meeting the requirement that 20% of the portfolio budget be set aside for competitive bid solicitations.

As of the end of 2008, nearly 32 percent of SCE’s 2006-08 portfolio was comprised of programs that were procured through a competitively bid solicitation.

In 2008, SCE did not conduct any additional solicitations for the 2006-2008 program cycle: however, a new program did begin in 2008 as a result of the 2007 InDEE solicitation. It is the following:

2008 IDEEA/InDEE Program Name	Program Description
Data Center (Intergy)	The program will identify and implement traditional technologies (HVAC, lighting) combined with emerging technologies (virtualization, Spray Cooling, Wave Space Wireless Sensor technology) to offer comprehensive solutions. The program will take a holistic approach towards data centers including establishing metrics for data center energy intensity, creating tools and guidelines to drive continuous improvement, supporting third party certification processes, and providing recognition for data centers to achieve a high level of energy savings. Customer rebates are provided by SCE.

Review of any problems encountered with either the partnerships or competitive bid programs during the past year.

The following are issues and concerns that were observed during the implementation of partnership programs. Resolution of these issues may facilitate in successful program implementation.

- Greater consistency among local government partnerships would help to facilitate effective management processes and provide for more dependable and tangible energy savings results. It will be important to increase consistency of processes while still addressing the unique needs of each partner.
- Government and institution partners' budget cycle inconsistent with utility program cycle. Due to difference in budget cycle, it is difficult to engage the partners in projects to capture savings on an annual basis. For any given program year, the G&I partner will have six months to develop and implement the project that can attribute the energy savings to the annual program goal.
- Lack of mechanism to keep incentives and cost savings dollars within the sponsoring departments and/or agencies affected department decisions to invest in energy efficiency improvements. Incentive dollars received go back to general fund. Cost savings benefits are realized during the following year's budget allocation. On-Bill Financing (OBF) will address some of the cost savings element. OBF will provide the government and institutional entities with funds at zero interest to invest in energy efficiency and the department may directly receive benefits through reduction in energy consumption and in energy cost for their department. SCE will continue to work with the government and institutional entities to find creative solutions for the department that sponsored the project to retain the incentive dollars.

Competitive bid programs encountered certain problems in the solicitation and implementation phases. For the most part the problems were manageable and had a resolution that was accepted by the bidders and/or the scoring staff.

- Problem: IDEEA and InDEE Program bidders want to decrease their burden of research to determine SCE's EE program portfolio for the bidder's perceived gaps in market or customer segments served, program delivery models, incentive/rebate structure, technologies utilized or measure combinations, etc.
- Solution: Publish a list of SCE's energy efficiency programs in all portfolios so that bidders may design their proposals accordingly. Conversely, program planners have elected to not provide information on SCE's program portfolio gaps. Instead, planners have developed the policy of filling such perceived or actual gaps when they are determined. That said, certain past IDEEA programs, marketing and delivery methods, and technologies have been adopted in SCE's mainstream EE portfolio of proven and reliable programs. In one case, the implementation contractor was brought forward with the IDEEA program intact. In another, the technology was adopted by the statewide Express Efficiency Program. In yet another example, the target market and market approach were carried forward, but the implementation contractor was replaced by another third party implementer.
- Problem: SCE staff members want to decrease the investment of time in evaluating and scoring IDEEA and InDEE Stage I ("Abstracts") and Stage II proposals.
- Solution: Program planners enacted an Abstract and proposal response page limits. The result was more concise Abstracts and proposals that took marketed less time to evaluate and score. An unintended consequence of this change was that bidders provided positive feedback on the page limitation enacted.
- Problem: As a consequence of linking the request for proposal ("RFP") text to the purchase order statement of work ("SOW") document, any modification made to one document resulted in the need to map those changes in the opposite document.
- Solution: The program planners realized that the continuous improvement process was necessary to the continued evolution of SCE's competitive bid solicitation process. Therefore, when the SOW template was significantly improved during 2008, it became necessary to map those changes into the RFPs for the 2009-11 program cycle.

SECTION 4
COST EFFECTIVENESS

Table 4

Table 4: Cost Effectiveness									
Annual Results	Total Cost to Billpayers (TRC)	Total Savings to Billpayers (TRC)	Net Benefits to Billpayers (TRC)	TRC Ratio	Total PAC Cost	PAC Ratio	PAC Cost per kW Saved (\$/kW) [2]	PAC Cost per kWh Saved (\$/kWh)	PAC Cost per therm Saved (\$/therm)
2006 - 2008									
Targets [1]	\$ 847,080,952	\$ 2,017,154,483	\$ 1,170,073,531	2.38	\$ 639,333,514	3.16	-	0.03 cents/kWh	\$0.00 /therm
2008 TOTAL	\$ 431,349,620	\$ 882,683,391	\$ 426,633,771	2.05	\$ 276,206,003	3.20		0.03 cents/kWh	\$0.00 /therm

[1] 2006 - 2008 targets were filed with the Commission as part of SCE's Compliance Filing, dated January 6, 2006, and adopted by the Commission on April 18, 2006.

[2] The adopted avoided cost methodology does not provide information to provide a meaningful value for PAC Cost per kW saved. The adopted avoided cost methodology created kWh costs values that vary for each hour of the year that includes kW generation capacity costs. The current PAC Cost per kWh saved includes all ratepayer financial costs incurred in producing electric savings. The same costs would have to be reallocated if a PAC Cost per kW saved were presented. Additionally, the current approved E3 Calculator does not have the capability to calculate discounted kW, nor is it clear whether an annualized cost per kW saved or total cost per kW saved is more useful.

Footnote 4

Description of what each metric means in terms of the overall portfolio's progress in producing net resource benefits for California's ratepayers.

The Total Resource Cost Test (TRC) measures the net benefits of a program as a resource versus the participants' costs and program administration costs. TRC Net Benefits (Net Rbn) are the subtraction of the Total TRC costs from the Total Resource Benefits. The Total Resource Benefit, Net is a measure of the total resource benefits from a measure or program, as derived by multiplying the energy savings by the appropriate avoided costs and reduced by the net-to-gross ratio. Total TRC Costs shown in the tables include the sum of the Total Administrative Costs and the Incremental Measure or Participant Cost. The TRC costs also represent the charges to the TRC test mode in Decision 07-09-043.

The Program Administrator Cost Test (PAC) measures the net benefits of a program as a resource versus the total program costs, including both the program incentive and program administration costs. PAC Net Benefits are the subtraction of the Total PAC costs from the Total Resource Benefits, Net (RBn). The Total Resource Benefit, Net is a measure of the total resource benefits from a measure or program, as derived by

⁴ The data shown in this annual report is based on SCE's modified ex-ante savings, adjusted for actual installations, and has not been verified through ex-post impact analysis by the CPUC.

multiplying the energy savings by the appropriate avoided costs and reduced by the net-to-gross ratio. Total PAC Costs shown in the tables include the sum of the Total Administrative Costs and the Program Incentive costs.

Brief explanation of the assumptions used in the calculation, i.e., incremental measure costs used, how rebates (transfers) were applied.

The cost-effectiveness tables provided in this report reflect a summary of the cost-effectiveness calculations developed for each of the 2008 programs. These tables provide energy savings and program costs associated with costs expended in 2008.

Pursuant to Policy Rule IV.11., to the extent possible, the assumptions that are used to estimate load impacts (e.g., kWh and kW savings per unit, program net-to-gross ratios, incremental measure costs and useful lives) in the calculation of the TRC and PAC tests are taken from the Database for Energy Efficiency Resources (DEER). For measures where the required load impacts for cost-effectiveness test inputs were not available in DEER, documentation supporting the inclusion of new information from alternate sources is utilized.

Units (Number and Definition)

Estimates of the unit counts are displayed as collected in program tracking databases during 2008. The definition of the unit is tailored to the specifications of the individual measure(s) offered in the program.

Energy and Capacity Savings (per unit and Total)

The annual program energy and capacity reductions are derived from ex ante estimates of energy and capacity savings. Annual program energy and capacity reduction estimates for the programs are the result of a summation of measure-level savings from the measures installed as a result of the 2008 programs. The measure-level savings information used to calculate the 2008 program results are based upon the latest energy and capacity savings data available for the particular measure(s), including ex post measurement studies, historical program results, and engineering estimates.

The gross amounts of the annual energy and capacity savings are reduced by appropriate net-to-gross ratios for the particular measure or end-use and extended through their useful lives by the appropriate effective useful life estimates (see more information in Net-to-Gross and Effective Useful Life sections below).

For all of the tables presented in this report, SCE has presented the capacity savings based upon the estimated on-peak savings. Thus, the total capacity savings of each measure has been reduced to show only the applicable percentage of savings that fall in the defined on-peak period for the particular measure. All energy savings results are a total of the savings across all time periods.

Net-to-Gross Ratio

Gross energy savings are considered to be the savings in energy and demand seen by the participant at the meter. Net savings are assumed to be the savings that are attributable to the program. That is, net savings are gross savings minus those changes in energy use and demand that would have happened even in the absence of the program (free riders). The net-to-gross ratio is a factor that is applied to gross program load impacts to convert them into net program load impacts. This factor is also used to convert gross measure costs into net measure costs.

Each of the Net-to-Gross ratios utilized in the report are set at the levels recommended as previously provided in SCE's 2006-08 compliance filing, or as updated in workpapers.

Effective Useful Life

The Effective Useful Life is the length of time (years) for which the load impacts of an energy efficiency measure are expected to last.

Incremental Measure Cost (per unit and Total)

These costs generally represent the incremental costs of energy efficiency measures over the standard replacement measures. The gross amounts of these costs are reduced by appropriate net-to-gross ratios for the particular measure or end-use. SCE's incremental measure costs are typically derived from the latest measure cost study. In certain cases a measure that is offered in this cycle does not appear in the latest measure cost study. In such cases, information is provided in workpapers.

Program Incentive Cost (per unit and Total)

Incentive costs are estimates of the incentives to be paid to customers during 2008. The incentive cost totals are based upon the per unit incentive costs paid to the customer multiplied by the total number of units.

Program Administrative Cost

Program administrative costs include all expenditures directly charged to the program with the exception of incentive costs. The administrative costs consist of allocated administrative, labor, non-labor (i.e., material and other), and contract labor cost.

Labor costs consist of SCE labor charges that are directly charged to the program. These costs include salaries and expenses of SCE employees engaged in developing energy efficient marketing strategies, plans, and programs; developing program implementation procedures; reporting, monitoring, and evaluating systems. Costs reflect actual costs incurred in 2008 in support of the programs.

Non-labor costs include materials and other miscellaneous costs charged directly to the program. These costs include items such as booklets, brochures, promotions, training, membership dues, postage, telephone, supplies, printing/photocopying services, and computer support services.

Contract labor costs consist of contract employees and consultant labor charges that are directly charged to the program. These costs include salaries and expenses of contract employees and consultants engaged in developing energy efficient marketing strategies, plans, and programs; developing program implementation procedures; reporting, monitoring, and evaluating systems.

Allocated administrative costs represent those for building lease and maintenance costs and management oversight expenditures.

How these numbers are consistent with the instructions provided by Commission in the avoided costs proceeding, R.04-04-025, particularly D.06-06-063 and the December 21, 2006 ALJ Ruling.

The tables provided in this report include modifications to the cost-effectiveness calculators pursuant to the direction the Energy Efficiency Policy Manual, the avoided costs rulemaking (R.04-04-025), and recent Decisions related to energy efficiency cost-effectiveness, including D.06-06-063 and D.07-09-043.

SECTION 5
BILL PAYER IMPACTS

Table 5

Table 5: <i>Ratepayer Impacts</i>					
	Electric Average Rate (Res and Non-Res) \$/kWh	Gas Average Rate (Core and Non-Core) \$/therm		Average First Year Bill Savings (\$)	Average Lifecycle Bill Savings (\$)
2008					
SCE	\$0.137	\$0.000	\$	231.83	\$ 2,061.83

Notes:

SCE's average rate for bundled-service customers is 13.7 cents per kWh (Source: Form 10-K, Southern California Edison, March 2, 2009).

Footnote 5

Explanation of the impact of the energy efficiency activities on customer bills relative to the level without the energy efficiency programs.

The energy efficiency programs have increase bills up front, as funds are collected to fund the energy efficiency programs. The totaled amount would be equivalent to the expenditures reported in this report. However, upon implementation, the programs lead to lower energy usage due to improvements in energy efficiency by customers and subsequent reductions in participant bills. In the long term all users will benefit through reductions in the avoided costs of energy. The tables provided above show the bill impacts of participating customers from 2008.

Brief explanation of the assumptions used in the calculation.

The bill impacts included in this report reflect the net impact on bills, accounting for the benefits of the programs. The overall impact of SCE's programs is that customer bills will decrease relative to the level without the energy efficiency programs.

The following methodology was utilized for the calculation of bill impacts resulting from the 2006-2008 energy efficiency portfolio to date:

⁵ The data shown in this annual report is based on SCE's modified ex-ante savings, adjusted for actual installations, and has not been verified through ex-post impact analysis by the CPUC.

Bill Payer Impacts

The calculation methodology for determining the average first year bill savings utilizes the total net energy savings per year multiplied by the average rate denominated in kWh. The product of these numbers results in a total bill savings for all program participants.

Similarly, the calculation methodology for determining the average lifecycle bill savings utilizes the total lifecycle net energy savings multiplied by the average rate denominated in kWh. The product of these numbers results in a total bill savings for all program participants.

SECTION 6

GREEN BUILDING INITIATIVE

Table 6

Table 6 : <i>Green Building Initiative</i>											
2008	GWH				MW			MMTh			
	Expenditures [1]	Goal [2]	Annual	% of Goal	Goal [2]	Annual	% of Goal	Goal	Annual	% of Goal	
SCE	\$ 190,902,637	1,166	953	82%	292	211	72%	-	-	-	

[1] Expenditures reflect incentive payments for 2006-2008 installations only.

[2] GBI goal is the 2006-08 SCE target, which SCE filed with the Commission in the *Joint Utilities Revised Report Comparing Best Estimates Of Forecasted Savings Over The 2006-2008 Energy Efficiency Program Cycle With The 20% Reduction Goal Of The Green Building Initiative*, dated July 6, 2006.

Footnote 6

The following programs contributed to the 2008 GBI savings:

- Business Incentives & Services Program
- Industrial Energy Efficiency Program
- Agricultural Energy Efficiency Program
- Retro-Commissioning (RCx) Program
- Comprehensive HVAC Program
- Nonresidential Direct Installation Program
- Savings By Design Program
- California Community Colleges Program
- SCE-SCG County of Los Angeles Partnership Program
- UC-CSU-PG&E-SCE-SoCalGas-SDG&E Partnership Program
- County of Riverside Partnership Program
- California Department of Corrections and Rehabilitation Partnership Program
- Ventura Partnership Program

⁶ The data shown in this annual report is based SCE's modified ex-ante savings, adjusted for actual installations, and has not been verified through ex-post impact analysis by the CPUC.

- Bakersfield/Kern County Partnership Program
- Community Energy Partnership Program
- San Gabriel Valley Energy Efficiency Partnership Program
- State of California Partnership Program
- Palm Desert Partnership Program
- Santa Ana Partnership Program
- County of San Bernardino Partnership Program
- Santa Barbara Partnership Program
- Federal Direct Install Initiative Program
- MAP Energy Efficiency Program
- CA Preschool Energy Efficiency Program (CPEEP)
- Lighting Energy Efficiency with Demand Response Program (LEEDR)
- 80 Plus Program
- Energy Efficiency Demand Response Flex Program (EE/DR Flex)
- Escalator PowerGenius Program
- Grocery Area Network Program
- Campus Housing Energy Efficiency Program
- Healthcare Energy Efficiency Program
- The Lighting Energy Efficiency PAR 30/38 CFL Program
- Demand Response Emerging Technologies Program
- Energy Efficiency Program for Entertainment Centers Program

Assessment of the status of the portfolio's progress in meeting GBI goals.

SCE successfully implemented its energy efficiency programs in 2008 and is on its way to achieve the goals established for the Governor's Green Building Initiative. The table above illustrates the progress that SCE has achieved in terms of meeting the goals.

SECTION 7

SHAREHOLDER PERFORMANCE INCENTIVES

Summary

The 2006-2008 shareholder performance incentive was established in D.07-09-043 and modified by D.08-01-042 which authorized SCE an interim incentive reward of \$24.7 million (D.08-12-059, Ordering Paragraph 5) in 2008 for activities in 2006 and 2007.

On January 31, 2009, the Commission issued a new Order Instituting Rulemaking (OIR) to evaluate modifications to the Risk Reward Incentive Mechanism (RRIM) for energy efficiency first adopted in D.07-09-043. It is anticipated that the review of the RRIM will result in an interim payment for 2008 no later than December 2009 and final payment for 2006 – 2008 accomplishments no later than December 2010.

On May 26, 2009, SCE filed Testimony with the Commission requesting an incentive claim of \$155 million for the 2006-2008 program cycle. SCE's claim is fully supported and is conservative, reasonable, and defensible. SCE is awaiting a Commission decision on its request.

SECTION 8

SAVINGS BY END-USE

Table 8

Table 8: <i>Annual Savings By End-Use</i>						
2008	GWH	% of Total	MW	% of Total	MMTh	% of Total
Residential	871	51.50%	133.90	38.85%		
Appliances	-	0.00%	-	0.00%		
Consumer Electronics	0	0.00%	0	0.00%		
Cooking Appliances	-	0.00%	-	0.00%		
HVAC	21	1.26%	17	4.82%		
Lighting	750	44.34%	96	27.74%		
Pool Pump	4	0.24%	1	0.33%		
Refrigeration	89	5.26%	17	4.82%		
Water Heating	0	0.02%	0	0.02%		
Other	6	0.38%	4	1.12%		
Nonresidential	739	43.65%	190.38	55.24%		
HVAC	163	9.60%	82	23.89%		
Lighting	283	16.70%	61	17.68%		
Office	9	0.52%	0	0.00%		
Process	135	7.98%	20	5.70%		
Refrigeration	32	1.90%	5	1.38%		
Other	117	6.94%	23	6.59%		
Low Income Energy Efficiency	26	1.53%	6	1.65%		
Codes & Standard Energy Savings	56	3.33%	15	4.26%		
SCE Annual Portfolio Savings	1,692	100%	345	100%		

Notes:

Results from activity installed in 2008 only.

SCE's rebates for energy-efficient refrigerators as well as the Appliance Recycling program element are shown under the refrigeration end use.

Footnote 7

⁷ The data shown in this annual report is based on SCE's modified ex-ante savings, adjusted for actual installations, and has not been verified through ex-post impact analysis by the CPUC.

Description of how the programs and program strategies implemented in the past year produced energy savings reported in the table above that are consistent with the Commission's policy rules.

One such requirement is to report portfolio performance by end use, as shown in the table above. Energy savings and demand reduction are reported in this manner on a regular basis as part of SCE's monthly report. The table above illustrates the 2008 results, by end use, of SCE's portfolio of energy efficiency programs.

Brief explanation of the source of the LIEE savings reported above, i.e., which Impact Evaluation report provides the savings numbers.

The reported kWh savings for the installed measures for the 2008 Low Income program is based on the Volume 2 of the Impact Evaluation of the 2001 Statewide Low-Income Energy Efficiency (LIEE) program. This study is completed by KEMA-XEnergy and Business Economic Analysis & Research, dated April 8th 2003.

This impact study does not provide a demand (kW) reduction estimate for each measure. To report the achieved demand or kW reduction, SCE applied a conversion of each kWh is equaled to .00021 kW. This conversion factor represented SCE's average of mWh to peak savings as filed in the 2004-05 Energy Efficiency Program applications and included in Table 1B of Decision D.04-09-060. This is an estimate of average peak savings, not coincident peak.

**SECTION 9
COMMITMENTS**

Table 9

Table 9:				
<i>Commitments</i>				
Commitments Made in the Past Year with Expected Implementation by December 2008				
	Committed Funds	Expected Energy Savings		
2008	\$	GWH	MW	MMTh
SCE Total	\$ -	-	-	-
Commitments Made in the Past Year with Expected Implementation <i>after</i> December 2008				
	Committed Funds	Expected Energy Savings		
2008	\$	GWH	MW	MMTh
SCE Total	\$ 37,910,071	349	55.59	-

Notes:

[1] Committed Funds represent incentive amounts only.

[2] The data shown in this annual report is based on SCE’s modified ex-ante savings, and has not been verified through ex-post impact analysis by the CPUC.

Footnote 8

Description of the programs implemented during the past year that did not result in installed savings but reflect commitments entered into by the utilities that are expected to produce installed savings during the 2006 – 2008 program cycle.

All of SCE’s programs that have remaining commitments beyond the 2006-2008 program cycle are listed in the response to the question below.

Description of the programs implemented during the past year that did not result in installed savings but reflect commitments entered into by the utilities that are expected to produce installed savings after December 2008.

The following programs had commitments that will be installed in 2009 and beyond:

⁸ The data shown in this annual report is based on SCE’s modified ex-ante savings, adjusted for actual installations, and has not been verified through ex-post impact analysis by the CPUC.

Commitments

Appliance Recycling Program	Savings By Design
Residential Energy Efficiency Incentive Program	Federal Direct Install Initiative
CA New Homes Program	California Community Colleges Partnership
Business Incentives & Services	LA County Partnership Program
Retro-Commissioning	UC-CSU Partnership Program
Industrial Energy Efficiency Program	County of Riverside Partnership
Agricultural Energy Efficiency Program	MAP Energy Efficiency Program
Nonresidential Direct Installation Program	Data Centers for EE Optimization
Ventura County Partnership Program	California Preschool Energy Efficiency Program
South Bay Partnership Program	Coin-Operated Laundry Program
Bakersfield Kern Partnership Program	Modernization and New Construction EE Programs for Schools
Community Energy Partnership	San Gabriel Valley EE Partnership
Mammoth Lakes Partnership	City of Ridgecrest Partnership
New Energy Star Manufactured Housing	

In 2008, the above mentioned programs secured commitments in the amount of nearly \$38 million, almost 349 gigawatt-hours of energy savings, and nearly 56 megawatts in demand reduction.

Explanations of how commitments are calculated and reported in the above tables, i.e., are these commitments from incentives only.

In 2008, SCE actively enrolled customers into energy efficiency programs. These programs work with customers at various stages in their decision-making process in order to influence them to implement the energy-efficient choice. When a customer has firmly committed to the program, an incentive payment is reserved on their behalf to be paid when the customer implements the energy-efficient activity. It is only when that firm commitment is received (in the form of a contract, reservation, etc.), that it is counted as a program commitment and is reported to the Commission. The tables above reflect the summation of energy savings and demand reduction that is committed to be installed by SCE customers.

Appendix A

Appendix A contains the list of programs included in SCE's 2008 Energy Efficiency Portfolio, and the date the programs were added or removed where applicable.

Southern California Edison Programs for 2006-2008

CPUC ID	Program Name	Date Added (new programs)	Date Removed
SCE2500	Appliance Recycling Program (IOU Program)	N/A	N/A
SCE2501	Residential Energy Efficiency Incentive Program (IOU Program)	N/A	N/A
SCE2502	Multifamily Energy Efficiency Program (IOU Program)	N/A	N/A
SCE2503	Home Energy Efficiency Survey (IOU Program)	N/A	N/A
SCE2504	Integrated School-Based Program (IOU Program)	N/A	N/A
SCE2505	CA New Homes Program (IOU Program)	N/A	N/A
SCE2507	Comprehensive Packaged Air Conditioning Systems Program (IOU Program)	N/A	N/A
SCE2508	Retro-Commissioning (IOU Program)	N/A	N/A
SCE2509	Industrial Energy Efficiency Program (IOU Program)	N/A	N/A
SCE2510	Agricultural Energy Efficiency Program (IOU Program)	N/A	N/A
SCE2511	Nonresidential Direct Installation (IOU Program)	N/A	N/A
SCE2512	Savings By Design (IOU Program)	N/A	N/A
SCE2513	Education, Training, and Outreach (IOU Program)	N/A	N/A

Appendix A

CPUC ID	Program Name	Date Added (new programs)	Date Removed
SCE2514	Sustainable Communities (IOU Program)	N/A	N/A
SCE2515	Statewide Emerging Technologies (IOU Program)	N/A	N/A
SCE2516	Statewide Codes & Standards Program (IOU Program)	N/A	N/A
SCE2517	Business Incentives & Services (IOU Program)	N/A	N/A
SCE2518	Local Government Energy Action Resources (Partnership Program)	N/A	N/A
SCE2519	Ventura County Partnership (Partnership Program)	N/A	N/A
SCE2520	South Bay Partnership (Partnership Program)	N/A	N/A
SCE2521	Bakersfield and Kern County Partnership (Partnership Program)	N/A	N/A
SCE2522	Santa Barbara Partnership (Partnership Program)	N/A	N/A
SCE2523	Community Energy Partnership - Non-Resource (Partnership Program)	N/A	N/A
SCE2524	Community Energy Partnership - Resource (Partnership Program)	N/A	N/A
SCE2525	San Gabriel Valley EE Partnership Program (Partnership Program)	N/A	N/A
SCE2526	California Community Colleges (Partnership Program)	N/A	N/A
SCE2527	California Department of Corrections and Rehabilitation (Partnership Program)	N/A	N/A
SCE2528	SCE-SCG County of Los Angeles Partnership (Partnership Program)	N/A	N/A
SCE2529	County of Riverside Partnership (Partnership Program)	N/A	N/A
SCE2530	UC-CSU-PG&E-SCE-SCG-SDG&E Partnership (Partnership Program)	N/A	N/A

Appendix A

CPUC ID	Program Name	Date Added (new programs)	Date Removed
SCE2531	Future IDEEA Solicitations (Competitively Solicited Program)	N/A	N/A
SCE2532	Coin Operated Laundry Program (Competitively Solicited Program)	N/A	N/A
SCE2533	Energy Efficient Program Made Efficient (Competitively Solicited Program)	N/A	12/7/2006
SCE2534	Demand Response Emerging Tech (Competitively Solicited Program)	N/A	N/A
SCE2535	80 Plus (Competitively Solicited Program)	N/A	2/1/2008
SCE2536	EE/DR Flex Program (Competitively Solicited Program)	N/A	N/A
SCE2537	MAP Energy Efficiency Program (Competitively Solicited Program)	N/A	N/A
SCE2538	Lighting Energy Efficiency with Demand Response (Competitively Solicited Program)	N/A	N/A
SCE2539	Cool Change Program (Competitively Solicited Program)	N/A	11/27/2006
SCE2540	One-2-Five Energy Program (Competitively Solicited Program)	N/A	4/30/2008
SCE2541	Convenience Store and Service Stations EE (Competitively Solicited Program)	N/A	12/31/2006
SCE2542	Affordable Housing EE Alliance (Competitively Solicited Program)	N/A	N/A
SCE2543	Designed for Comfort - Efficient Affordable Housing (Competitively Solicited Program)	N/A	N/A
SCE2544	CA Preschool Energy Efficiency Program (Competitively Solicited Program)	N/A	N/A
SCE2545	E-mail Based Energy Efficiency Program (Competitively Solicited Program)	N/A	N/A
SCE2546	Lights for Learning CFL Fundraiser (Competitively Solicited Program)	N/A	7/31/2007
SCE2547	Aggregation of Housing Agencies for Energy Retrofit and Management Projects (Competitively Solicited Program)	N/A	N/A

Appendix A

CPUC ID	Program Name	Date Added (new programs)	Date Removed
SCE2548	Southern California Home Performance Program (Competitively Solicited Program)	N/A	N/A
SCE2549	Future InDEE Solicitations (Competitively Solicited Program)	N/A	N/A
SCE2550	Innovative Pool Pump Technology Delivers Radical Efficiency Gains (Competitively Solicited Program)	N/A	N/A
SCE2551	Low Pressure R.O. (Competitively Solicited Program)	N/A	3/11/2007
SCE2552	NightBreeze EE Program (Competitively Solicited Program)	N/A	N/A
SCE2553	BEST Wireless HVAC Maintenance System (Competitively Solicited Program)	N/A	3/9/2006
SCE2554	Statewide Marketing & Outreach - Flex Your Power (Statewide Marketing & Outreach Program)	N/A	N/A
SCE2555	Statewide Marketing & Outreach - UTEEM (Statewide Marketing & Outreach Program)	N/A	N/A
SCE2556	Statewide Marketing & Outreach - Flex Your Power Rural Program (Statewide Marketing & Outreach Program)	N/A	N/A
SCE2557	Transforming the Market for New Energy Star Manufactured (Mobile) Homes (Competitively Solicited Program)	1/1/2007	N/A
SCE2558	Modernization and New Construction Efficiency Enhancement Program for Schools (Competitively Solicited Program)	1/1/2007	N/A
SCE2559	The Lighting Energy Efficiency PAR 38/30 CFL (LEEP 38/30 CFL) Program (Competitively Solicited Program)	1/1/2007	N/A
SCE2560	Hospital Facility Energy Efficiency Program (Competitively Solicited Program)	1/1/2007	N/A
SCE2561	Energy Efficiency Program for Entertainment Centers (Competitively Solicited Program)	1/1/2007	N/A
SCE2562	Campus Housing Energy Efficiency Program (Competitively Solicited Program)	1/1/2007	N/A

Appendix A

CPUC ID	Program Name	Date Added (new programs)	Date Removed
SCE2563	Plugging the Consumer Electronics Gap - A Cross-Cutting Plug Load Reduction Program (Competitively Solicited Program)	1/1/2007	N/A
SCE2564	Grocery Area Energy Network (Competitively Solicited Program)	1/1/2007	N/A
SCE2565	Escalator PowerGenius™ Program (Competitively Solicited Program)	1/1/2007	6/30/2008
SCE2566	Mammoth Lakes Partnership (Partnership Program)	6/12/2006	N/A
SCE2567	Ridgecrest Partnership (Partnership Program)	7/26/2006	N/A
SCE2568	State of California IOU Partnership (Partnership Program)	8/25/2006	N/A
SCE2569	Palm Desert Partnership (Partnership Program)	12/16/2006	N/A
SCE2570	Federal Direct Install Initiative (Partnership Program)	10/31/2007	N/A
SCE2571	Santa Ana Partnership (Partnership Program)	11/15/2007	N/A
SCE2572	Data Center EE Program (Competitively Solicited Program)	5/17/2008	N/A
SCE2573	San Bernardino County Partnership (Partnership Program)	10/30/2008	N/A
N/A - not applicable.			

Go on to next page

Appendix B Part 1

Part 1

Appendix B – Part 1 contains SCE's final December Monthly report for 2008.

For access, please visit the California Public Utilities Commission Energy Efficiency Groupware Application at <http://eega2006.cpuc.ca.gov>.

Go on to next page

Appendix B Part 2

Part 2

Appendix B – Part 2 contains SCE's final 4th Quarter Report for 2008.

For access, please visit the California Public Utilities Commission Energy Efficiency Groupware Application at <http://eega2006.cpuc.ca.gov>.

Go on to next page

CERTIFICATE OF SERVICE

I hereby certify that, pursuant to the Commission's Rules of Practice and Procedure, I have this day served a true copy of SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) 2009 ANNUAL REPORT FOR 2008 ENERGY EFFICIENCY PROGRAMS on all parties identified on the attached service list(s). Service was effected by one or more means indicated below:

Transmitting the copies via e-mail to all parties who have provided an e-mail address. First class mail will be used if electronic service cannot be effectuated.

Executed this **3rd day of August, 2009**, at Rosemead, California.

/s/ VERONICA FLORES

Veronica Flores

Project Analyst

SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770



California Public
Utilities Commission

CPUC Home

CALIFORNIA PUBLIC UTILITIES COMMISSION

Service Lists

**PROCEEDING: R0604010 - CPUC - PG&E, EDISON,
FILER: CPUC - PG&E, EDISON, SDG&E, SOCALGAS
LIST NAME: LIST
LAST CHANGED: JULY 27, 2009**

**[DOWNLOAD THE COMMA-DELIMITED FILE](#)
[ABOUT COMMA-DELIMITED FILES](#)**

[Back to Service Lists Index](#)

Parties

RICHARD ESTEVES
SESCO, INC.
77 YACHT CLUB DRIVE
LAKE HOPATCONG, NJ 07849
FOR: SESCO

MIKE MOORE
NEWPORT VENTURES
22 JAY STREET
SCHENECTADY, NY 12305
FOR: NEWPORT VENTURES

KEITH R. MCCREA
ATTORNEY AT LAW
SUTHERLAND ASBILL & BRENNAN LLP
1275 PENNSYLVANIA AVE, NW
WASHINGTON, DC 20004
FOR: CALIFORNIA MANUFACTURERS &
TECHNOLOGY ASSOCIATION

MERRILEE HARRIGAN
VICE PRESIDENT OF EDUCATION
ALLIANCE TO SAVE ENERGY
1850 M STREET NW, SUITE 600
WASHINGTON, DC 20036
FOR: ALLIANCE TO SAVE ENERGY

JAMES ROSS
RCS, INC.
500 CHESTERFIELD CENTER, SUITE 320
CHESTERFIELD, MO 63017
FOR: RCS

GREG TROPSA
PRESIDENT
ICE ENERGY, INC.
9351 EASTMAN PARK DRIVE, UNIT B
WINDSOR, CO 80550
FOR: ICE ENERGY INC.

CYNTHIA K. MITCHELL
ENERGY ECONOMICS INC
530 COLGATE COURT
RENO, NV 89503
FOR: TURN

STEVEN D. PATRICK
ATTORNEY AT LAW
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST FIFTH STREET, GT14E7
LOS ANGELES, CA 90013-1011
FOR: SAN DIEGO GAS & ELECTRIC COMPANY
AND SOUTHERN CALIFORNIA GAS COMPANY

DIANA MAHMUD
ATTORNEY AT LAW

PAUL WUEBBEN
SOUTH COAST AIR QUALITY MANAGEMENT DIST

THE METROPOLITAN WATER DISTRICT OF SOUTH 21865 COPLEY DRIVE
 PO BOX 54153 DIAMOND BAR, CA 91765-4178
 LOS ANGELES, CA 90054-0153 FOR: SOUTH COAST AIR QUALITY MANAGEMENT
 FOR: THE METROPOLITAN WATER DISTRICT OF DISTRICT
 SOUTHERN CALIFORNIA

LARRY R. COPE CARLOS F. PENA
 ATTORNEY AT LAW SEMPRA ENERGY
 SOUTHERN CALIFORNIA EDISON 101 ASH STREET, HQ12
 PO BOX 800, 2244 WALNUT GROVE AVENUE SAN DIEGO, CA 92101
 ROSEMEAD, CA 91770 FOR: SAN DIEGO GAS & ELECTRIC/SOCAL GAS
 FOR: SOUTHERN CALIFORNIA EDISON

DONALD C. LIDDELL JENNIFER PORTER
 ATTORNEY AT LAW POLICY ANALYST
 DOUGLASS & LIDDELL CALIFORNIA CENTER FOR SUSTAINABLE ENERGY
 2928 2ND AVENUE 8690 BALBOA AVENUE, SUITE 100
 SAN DIEGO, CA 92103 SAN DIEGO, CA 92123
 FOR: CALIFORNIA NATURAL GAS VEHICLE FOR: CALIFORNIA CENTER FOR SUSTAINABLE
 COALITION/ ICE ENERGY INC. ENERGY

SEPHRA A. NINOW MALCOLM LEWIS
 POLICY ANALYST PRESIDENT
 CALIFORNIA CENTER FOR SUSTAINABLE ENERGY CTG ENERGETICS, INC.
 8690 BALBOA AVENUE, SUITE 100 16 TECHNOLOGY DRIVE, SUITE 109
 SAN DIEGO, CA 92123 IRVINE, CA 92618
 FOR: CTG ENERGETICS, INC.

JUDI G. SCHWEITZER DALE A. GUSTAVSON
 SCHWEITZER AND ASSOCIATES, INC. PRESIDENT
 25422 TRABUCO ROAD, STE.105-P BETTER BUILDINGS INCORPORATED
 LAKE FOREST, CA 92630 31 E MACARTHUR CRESCENT, NO. E321
 FOR: JUDY G. SCHWEITZER SANTA ANA, CA 92707-5936
 FOR: BETTER BUILDINGS INCORPORATED

ROBERT C. WILKINSON TAM HUNT
 DIRECTOR, WATER POLICY PROGRAM HUNT CONSULTING
 4426 BREN BUILDING 4344 MODOC ROAD, 15
 SANTA BARBARA, CA 93106 SANTA BARBARA, CA 93110
 FOR: COMMUNITY ENVIRONMENTAL COUNCIL

PETER CANESSA ROD AOKI
 CALIFORNIA STATE UNIVERSITY, FRESNO ATTORNEY AT LAW
 1211 CHAPARRAL CIRCLE ALCANTAR & KAHL, LLP
 SAN LUIS OBISPO, CA 93401 33 NEW MONTGOMERY STREET, SUITE 1850
 FOR: CSUF SAN FRANCISCO, CA 94015

JEFFREY HELLER REMI TAN
 FAIA - PRESIDENT AP - ARCHITECT
 HELLER MANUS ARCHITECTS HELLER MANUS ARCHITECTS
 221 MAIN STREET, SUITE 940 221 MAIN STREET, SUITE 940
 SAN FRANCISCO, CA 94044 SAN FRANCISCO, CA 94044
 FOR: HELLER MANUS ARCHITECTS FOR: HELLER MANUS ARCHITECTS

DENNIS J. HERRERA DIANA L. LEE
 CITY ATTORNEY CALIF PUBLIC UTILITIES COMMISSION
 CITY AND COUNTY OF SAN FRANCISCO LEGAL DIVISION
 CITY HALL, ROOM 234 ROOM 4107
 SAN FRANCISCO, CA 94102 505 VAN NESS AVENUE
 FOR: CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO, CA 94102-3214
 FOR: DIVISION OF RATE PAYERS ADVOCATES

JEANNE M. SOLE STEPHEN A. S. MORRISON
 DEPUTY CITY ATTORNEY CITY & COUNTY OF SAN FRANCISCO
 CITY AND COUNTY OF SAN FRANCISCO CITY HALL, SUITE 234
 1 DR. CARLTON B. GOODLETT PLACE, RM. 375 1 DR CARLTON B. GOODLETT PLACE

SAN FRANCISCO, CA 94102-4682
FOR: CITY AND COUNTY OF SAN FRANCISCO

SAN FRANCISCO, CA 94102-4682
FOR: CITY & COUNTY OF SAN FRANCISCO

AUDREY CHANG
DIRECTOR-CALIFORNIA CLIMATE PROGRAM
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 94104
FOR: NATURAL RESOURCES DEFENSE COUNCIL
(NRDC)

MARCEL HAWIGER
ATTORNEY AT LAW
THE UTILITY REFORM NETWORK
115 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94104
FOR: TURN

ROBERT FINKELSTEIN
LEGAL DIRECTOR
THE UTILITY REFORM NETWORK
115 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94104
FOR: THE UTILITY REFORM NETWORK

CHONDA J. NWAMU
ATTORNEY AT LAW
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, B30A
SAN FRANCISCO, CA 94105
FOR: PACIFIC GAS AND ELECTRIC COMPANY

SHIRLEY A. WOO
LAW DEPARTMENT
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE, B30A
SAN FRANCISCO, CA 94105
FOR: PACIFIC GAS AND ELECTRIC COMPANY

JAMES D. SQUERI
ATTORNEY AT LAW
GOODIN MACBRIDE SQUERI DAY & LAMPREYLLP
505 SANSOME STREET, STE 900
SAN FRANCISCO, CA 94111
FOR: CBIAA/CAA

EDWARD W. O'NEILL
ATTORNEY AT LAW
DAVIS WRIGHT TREMAINE LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO, CA 94111-6533
FOR: CALIFORNIA LARGE ENERGY CONSUMERS
ASSOCIATION

SARA STECK MYERS
ATTORNEY AT LAW
LAW OFFICES OF SARA STECK MYERS
122 28TH AVENUE
SAN FRANCISCO, CA 94121
FOR: CENTER FOR ENERGY EFFICIENCY AND
RENEWABLE TECHNOLOGIES (CEERT)

JOHN KOTOWSKI
CHIEF EXECUTIVE OFFICER
GLOBAL ENERGY PARTNERS, LLC
500 YGNACIO VALLEY RD, SUITE 450
WALNUT CREEK, CA 94596
FOR: GLOBAL ENERGY PARTNERS, LLC

GERALD LAHR
ASSOCIATION OF BAY AREA GOVERNMENTS
101 8TH STREET
OAKLAND, CA 94607
FOR: ABAG

ROBERT L. KNIGHT
CALIFORNIA BUILDING PERFORM. CONT. ASSN.
1000 BROADWAY, SUITE 410
OAKLAND, CA 94607
FOR: BEVILACQUA-KNIGHT INC/ CALIFORNIA
BUILDING PERFORMANCE CONTRACTOR'S ASSN.

JODY LONDON
JODY LONDON CONSULTING
PO BOX 3629
OAKLAND, CA 94609
FOR: COUNTY OF LOS ANGELES, INTERNAL
SERVICES DEPARTMENT/THE LOCAL
GOVERNMENT SUSTAINABLE ENERGYCOALITION

J. ANDREW HOERNER
REDEFINING PROGRESS
1904 FRANKLIN STREET
OAKLAND, CA 94612
FOR: REDEFINING PROGRESS

SCOTT WENTWORTH
CITY OF OAKLAND
7101 EDGEWATER DRIVE, NO. 2
OAKLAND, CA 94621
FOR: CITY OF OAKLAND

EILEEN PARKER
QUEST
2001 ADDISON STREET, STE. 300
BERKELEY, CA 94704
FOR: QUANTUM ENERGY SERVICES &
TECHNOLOGIES, INC.

JOHN PROCTOR
PROCTOR ENGINEERING GROUP
418 MISSION AVE
SAN RAFAEL, CA 94901
FOR: PROCTOR ENGINEERING GROUP, LTD.

PETER M. SCHWARTZ
ATTORNEY AT LAW
PETER SCHWARTZ & ASSOCIATES, LLC
381 CHAPMAN DRIVE
CORTE MADERA, CA 94925

TIM ROSENFELD
MARIN ENERGY MANAGEMENT TEAM
131 CAMINO ALTO, SUITE D
MILL VALLEY, CA 94941
FOR: MARIN ENERGY MANAGEMENT TEAM

FOR: PETER M. SCHWARTZ

BARBARA GEORGE
WOMEN'S ENERGY MATTERS
PO BOX 548
FAIRFAX, CA 94978
FOR: WOMEN'S ENERGY MATTERS (WEM)

HANK RYAN
SMALL BUSINESS CALIFORNIA
750 47TH AVE., 56
CAPITOLA, CA 95010
FOR: SMALL BUSINESS CALIFORNIA

FRANK TENG
ENVIRONMENT AND ENERGY ASSOCIATE
SILICON VALLEY LEADERSHIP GROUP
224 AIRPORT PARKWAY, SUITE 620
SAN JOSE, CA 95110
FOR: SILICON VALLEY LEADERSHIP GROUP.

JAMES WEIL
DIRECTOR
AGLET CONSUMER ALLIANCE
PO BOX 1916
SEBASTOPOL, CA 95473
FOR: AGLET CONSUMER ALLIANCE

BILL MARCUS
JBS ENERGY
311 D STREET, STE. A
WEST SACRAMENTO, CA 95605
FOR: THE UTILITY REFORM NETWORK

ERIC LEE
SR. ENGINEER
DAVIS ENERGY GROUP
123 C STREET
DAVIS, CA 95616
FOR: DAVIS ENERGY GROUP

MICHAEL E. BACHAND
PRESIDENT
CALCERTS,, INC.
31 NATOMA STREET, SUITE 120
FOLSOM, CA 95630
FOR: CALCERTS, INC.

THOMAS S. CROOKS
DIRECTOR
MCR PERFORMANCE SOLUTIONS
3161 CAMERON PARK DR STE 216
CAMERON PARK, CA 95682-7979
FOR: MCR PERFORMANCE SOLUTIONS

CHRIS BROWN
EXECUTIVE DIRECTOR
CALIFORNIA URBAN WATER CONSERVATION
455 CAPITOL MALL, SUITE 703
SACRAMENTO, CA 95814
FOR: CALIFORNIA URBAN WATER CONSERVATION

MICHAEL BOCCADORO
THE DOLPHIN GROUP
925 L STREET, SUITE 800
SACRAMENTO, CA 95814
FOR: INLAND EMPIRE UTILITIES, CHINO
BASIN COALITION, SANTA ANA WATERSHED
PROJECT AUTHORITY

ASSOCIATION OF CALIFORNIA WATER AGENCIES
910 K STREET, SUITE 100
SACRAMENTO, CA 95814-3577
FOR: ASSOCIATION OF CALIFORNIA WATER
AGENCIES

GREGGORY L. WHEATLAND
ATTORNEY AT LAW
ELLISON SCHNEIDER & HARRIS L.L.P.
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO, CA 95816-5905
FOR: SIERRA PACIFIC POWER COMPANY

LYNN HAUG
ATTORNEY AT LAW
ELLISON, SCHNEIDER & HARRIS, LLP
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO, CA 95816-5905
FOR: DEPT. OF GENERAL SERVICES/ENERGY
POLICY ADVISORY COMMITTEE

JIM PARKS
SACRAMENTO MUNICIPAL UTILITY DIST.
6301 S STREET, A204
SACRAMENTO, CA 95817-1899

LOURDES JIMENEZ-PRICE
OFFICE OF THE GENERAL COUNSEL
SACRAMENTO MUNICIPAL UTILITY DISTRICT
6201 S STREET, MS B406
SACRAMENTO, CA 95817-1899
FOR: SMUD

CHRIS SCRUTON
8690 CALVINE RD.
SACRAMENTO, CA 95828
FOR: CHRIS SCRUTON

KAREN NORENE MILLS
ATTORNEY AT LAW
CALIFORNIA FARM BUREAU FEDERATION
2300 RIVER PLAZA DRIVE
SACRAMENTO, CA 95833
FOR: CALIFORNIA FARM BUREAU FEDERATION

ROB NEENAN
CALIFORNIA LEAGUE OF FOOD PROCESSORS
1755 CREEKSIDE OAKS DRIVE, SUITE 250
SACRAMENTO, CA 95833
FOR: CALIFORNIA LEAGUE OF FOOD
PROCESSORS

ROBERT E. BURT
INSULATION CONTRACTORS ASSN.
4153 NORTHGATE BLVD., NO.6
SACRAMENTO, CA 95834
FOR: INSULATION CONTRACTORS ASSN.

JON W. SLANGERUP
CLEAREEDGE POWER CORPORATION
7205 EVERGREEN PARKWAY
HILLSBORO, OR 97124
FOR: CLEAREEDGE POWER CORPORATION

DON MEEK
ATTORNEY AT LAW
10949 SW 4TH AVENUE
PORTLAND, OR 97219
FOR: WOMEN'S ENERGY MATTERS

THOMAS ECKHART
CAL - UCONS, INC.
10612 NE 46TH STREET
KIRKLAND, WA 98033
FOR: CAL-UCONS, INC.

CATHY HIGGINS
PROGRAM DIRECTOR
NEW BUILDINGS INSTITUTE
PO BOX 2349
WHITE SALMON, WA 98672
FOR: NEW BUILDINGS INSTITUTE

Information Only

NIKHIL GANDHI
STRATEGIC ENERGY TECHNOLOGIES, INC.
17 WILLIS HOLDEN DRIVE
ACTON, MA 01720

AMELIA GULKIS
ENSAVE, INC.
65 MILLER STREET, SUITE 105
RICHMOND, VT 05477

CLARK PIERCE
LANDIS+GYR
REGULATORY AFFAIRS
246 WINDING WAY
STRAFORD, NJ 08084

JULIEN DUMOULIN-SMITH
UBS INVESTMENT RESEARCH
1285 AVENUE OF THE AMERICAS
NEW YORK, NY 10019

CLINTON COLE
CURRENT GROUP, LLC
20420 CENTURY BOULEVARD
GERMANTOWN, MD 20874

JAMES R. STAPLES
STAPLES MARKETING COMMUNICATIONS
N28W23050 ROUNDY DRIVE
PEWAUKEE, WI 53072
FOR: STAPLES MARKETING COMMUNICATIONS

MARIANNE KING
STAPLES MARKETING COMMUNICATIONS
N28W23050 ROUNDY DRIVE
PEWAUKEE, WI 53072
FOR: STAPLES MARKETING COMMUNICATIONS

NICK HALL
TECMARKET WORKS
165 WEST NETHERWOOD ROAD, 2/F, SUITE A
OREGON, WI 53575

STEVEN KIHM
ENERGY CENTER OF WISCONSIN
455 SCIENCE DRIVE, STE 200
MADISON, WI 53711

GREY STAPLES
THE MENDOTA GROUP, LLC
1830 FARO LANE
MENDOTA HEIGHTS, MN 55118

ANNETTE BEITEL
200 17TH STREET
WILMETTE, IL 60091

JIM MEYERS
SOUTHWEST REGIONAL MANAGER
NORTH AMERICAN INSULATION MANUF. ASSOC.
7792 SOUTH HARRISON CIRCLE
CENTENNIAL, CO 80122

PETER C. JACOBS
BUILDING METRICS INC.
2540 FRONTIER AVE. SUITE 100
BOULDER, CO 80301

BRENT BARKETT
SUMMIT BLUE CONSULTING
1722 14TH STREET, SUITE 230
BOULDER, CO 80302

KEVIN COONEY

MELISSA MCGUIRE

PRINCIPAL/CEO
SUMMIT BLUE CORPORATION
1722 14TH STREET, SUITE 230
BOULDER, CO 80302

SUMMIT BLUE CONSULTING LLC
1722 14TH STREET, SUITE 230
BOULDER, CO 80302

BOBBI J. STERRETT
SNR. SPECIALIST/STATE REGULATORY AFFAIRS
SOUTHWEST GAS CORPORATION
5241 SPRING MOUNTAIN ROAD
LAS VEGAS, NV 89150-0002

ELENA MELLO
SIERRA PACIFIC POWER COMPANY
6100 NEIL ROAD
RENO, NV 89520

TIMOTHYA. BLAIR
THE METROPOLITAN WATER DISTRICT
700 N. ALAMEDA STREET
LOS ANGELES, CA 90012

WILLIAM P. MCDONNELL
THE METROPOLITAN WATER DISTRICT
700 N. ALAMEDA STREET
LOS ANGELES, CA 90012

KAREN W. WONG
ENERGY PROGRAMS ADVISOR
SOUTHERN CALIFORNIA GAS COMPANY
555 W. 5TH STREET, GT28A4
LOS ANGELES, CA 90013

KEVIN SHORE
SOUTHERN CALIFORNIA GAS COMPANY
555 W 5TH STREET, GT28A4
LOS ANGELES, CA 90013-1011

NORA HERNANDEZ
COUNTY OF LOS ANGELES-INTERNAL SERVICES
1100 N. EASTERN AVENUE
LOS ANGELES, CA 90063

DAVID NEMTZOW
NEMTZOW & ASSOCIATES
1254 9TH STREET, NO. 6
SANTA MONICA, CA 90401

SUSAN MUNVES
ENERGY AND GREEN BLDG. PROG. ADMIN.
CITY OF SANTA MONICA
1212 5TH STREET, FIRST FLOOR
SANTA MONICA, CA 90401

JAY LUBOFF
JAY LUBOFF CONSULTING SERVICES
1329 19TH ST, APT D
SANTA MONICA, CA 90404-1946

MARILYN LYON
PROGRAM MANAGER
SOUTH BAY ENVIRONMENTAL SERVICES CTR.
3868 CARSON STREET, SUITE 110
TORRANCE, CA 90503

BRAD BERGMAN
DIRECTOR
INTERGY CORPORATION
133 W. LEMON AVE.
MONROVIA, CA 91016

BILL KELLY
CORRESPONDENT
CALIFORNIA ENERGY CIRCUIT
PO BOX 1022
SOUTH PASADENA, CA 91031

CAROL YIN
YINSIGHT, INC
2275 HUNTINGTON DRIVE., 240
SAN MARINO, CA 91108

CHIARA D'AMORE
ICF INTERNATIONAL
14724 VENTURA BLVD.
SHERMAN OAKS, CA 91403

DIANA PAPE
ICF INTERNATIONAL
14724 VENTURA BLVD.
SHERMAN OAKS, CA 91403

STEVEN CULBERTSON
ICF INTERNATIONAL
14724 VENTURA BLVD., SUITE 1001
SHERMAN OAKS, CA 91403

TOM HAMILTON
ICF INTERNATIONAL
14724 VENTURA BLVD., STE. 1001
SHERMAN OAKS, CA 91403

DON ARAMBULA
SOUTHERN CALIFORNIA EDISON
6042 N. IRWINDALE AVENUE, BLDG. A
IRWINDALE, CA 91702

TORY S. WEBER
SOUTHERN CALIFORNIA EDISON COMPANY
6042 N. IRWINDALE AVENUE, SUITE A
IRWINDALE, CA 91702

BASU MUKHERJEE, P.E.
GLOBAL ENERGY SERVICES, INC.
404 S. PROSPECTORS RD. STE. B
DIAMOND BAR, CA 91765

CASE ADMINISTRATION
SOUTHERN CALIFORNIA EDISON COMPANY
LAW DEPARTMENT, ROOM 370
2244 WALNUT GROVE AVENUE

ROSEMEAD, CA 91770
FOR: SOUTHERN CALIFORNIA EDISON COMPANY

JENNIFER TSAO SHIGEKAWA
ATTORNEY AT LAW
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770
FOR: SOUTHERN CALIFORNIA EDISON COMPANY

LAURA I. GENAO
SOUTHERN CALIFORNIA EDISON
PO BOX 800, 2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770

STACIE SCHAFFER
ATTORNEY AT LAW
SOUTHERN CALIFORNIA EDISON
2244 WALNUT GROVE AVE.
ROSEMEAD, CA 91770

DON WOOD
PACIFIC ENERGY POLICY CENTER
4539 LEE AVENUE
LA MESA, CA 91941

RICHARD T. SPERBERG
ONSITE ENERGY CORPORATION
2701 LOKER AVENUE WEST, SUITE 107
CARLSBAD, CA 92010

JOHN LAUN
APOGEE INTERACTIVE, INC.
1220 ROSECRANS ST., SUITE 308
SAN DIEGO, CA 92106

ASHLEY WATKINS
CALIFORNIA CENTER FOR SUSTAINABLE ENERGY
8690 BALBOA AVE. SUITE 100
SAN DIEGO, CA 92123
FOR: CALIFORNIA CENTER FOR SUSTAINABLE
ENERGY

CENTRAL FILES
SAN DIEGO GAS AND ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP-31E
SAN DIEGO, CA 92123

DOUG WHITE
CALIF. CENTER FOR SUSTAINABLE ENERGY
8690 BALBOA AVENUE, SUITE 100
SAN DIEGO, CA 92123

IRENE M. STILLINGS
EXECUTIVE DIRECTOR
CALIF. CNTR FOR SUSTAINABLE ENERGY
8690 BALBOA AVE., STE 100
SAN DIEGO, CA 92123

JOY YAMAGATA
SAN DIEGO GAS & ELECTRIC/SOCALGAS
8330 CENTURY PARK COURT
SAN DIEGO, CA 92123

NANCY PRIVITT
SDG&E
8306 CENTURY PARK COURT, CP42K
SAN DIEGO, CA 92123-1530
FOR: SDG&E

BOB RAMIREZ
ITRON, INC. (CONSULTING & ANALYSIS DIV.)
11236 EL CAMINO REAL
SAN DIEGO, CA 92130

RACHEL HARCHARIK
ITRON, INC.
11236 EL CAMINO REAL
SAN DIEGO, CA 92130

DAVID GORDON
EFM SOLUTIONS
10310 CAMINITO AGADIR
SAN DIEGO, CA 92131

KURT J. KAMMERER
K. J. KAMMERER & ASSOCIATES
PO BOX 60738
SAN DIEGO, CA 92166-8738

CRYSTAL NEEDHAM
SENIOR DIRECTOR, COUNSEL
EDISON MISSION ENERGY
18101 VON KARMAN AVE., STE 1700
IRVINE, CA 92612-1046

TED FLANIGAN
PRESIDENT
ECOMOTION - THE POWER OF THE INCREMENT
1537 BARRANCA PARKWAY, SUITE F-104
IRVINE, CA 92618

SHAWN THOMPSON
CITY OF IRVINE
1 CIVIC CENTER PLAZA
IRVINE, CA 92646

SHARYN BARATA
OPINION DYNAMICS CORPORATION
28202 CABOT ROAD, SUITE 300
LAGUNA NIGUEL, CA 92677

MARIANN LONG
ASSISTANT GENERAL MANAGER
UTILITIES JOINT SERVICES

CHERYL COLLART
VENTURA COUNTY REGIONAL ENERGY ALLIANCE
1000 SOUTH HILL ROAD, STE. 230

201 S. ANAHEIM BLVD., NO. 101
ANAHEIM, CA 92805

VENTURA, CA 93003

JEFF HIRSCH
JAMES J. HIRSCH & ASSOCIATES
12185 PRESILLA ROAD
CAMARILLO, CA 93012-9243

MONA TIERNEY-LLOYD
SENIOR MANAGER WESTERN REG. AFFAIRS
ENERNOC, INC.
PO BOX 378
CAYUCOS, CA 93430

HECTOR HUERTA
RICHARD HEATH AND ASSOCIATES, INC.
590 W. LOCUST AVE., SUITE 103
FRESNO, CA 93650

ALISON TEN CATE
RESOURCE SOLUTIONS GROUP
60 STONE PINE ROAD, SUITE 100
HALF MOON BAY, CA 94019

LAUREN CASENTINI
RESOURCE SOLUTIONS GROUP, INC.
60 STONE PINE ROAD, SUITE 100
HALF MOON BAY, CA 94019

JOHN CELONA
505 VISTA AVENUE
SAN CARLOS, CA 94070

ANN KELLY
DEPARTMENT OF THE ENVIRONMENT
CITY AND COUNTY OF SAN FRANCISCO
11 GROVE STREET
SAN FRANCISCO, CA 94102

ATHENA BESA
SAN DIEGO GAS & ELECTRIC COMPANY
601 VAN NESS AVENUE, STE 2060
SAN FRANCISCO, CA 94102

BILLY BLATTNER
MANAGER REGULATORY RELATIONS
SAN DIEGO GAS & ELECTRIC COMPANY
601 VAN NESS AVENUE, SUITE 2060
SAN FRANCISCO, CA 94102
FOR: SAN DIEGO GAS & ELECTRIC AND SO.
CALIFORNIA GAS COMPANY

PEDRO VILLEGAS
SAN DIEGO GAS & ELECTRIC/ SO. CAL. GAS
601 VAN NESS AVE 2060
SAN FRANCISCO, CA 94102

NORMAN J. FURUTA
ATTORNEY AT LAW
FEDERAL EXECUTIVE AGENCIES
1455 MARKET ST., SUITE 1744
SAN FRANCISCO, CA 94103-1399

ERIC CUTTER
ENERGY AND ENVIRONMENTAL ECONOMICS, INC.
101 MONTGOMERY STREET, SUITE 1600
SAN FRANCISCO, CA 94104

LARA ETTENSON
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 94104
FOR: NRDC

NOAH LONG
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 94104

PETER MILLER
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 94104

ANDREW MEIMAN
SENIOR PROGRAM MANAGER
NEWCOMB ANDERSON MCCORMICK
201 MISSION STREET, SUITE 2000
SAN FRANCISCO, CA 94105

ANDY GOETT
PA CONSULTING GROUP
425 MARKET STREET, 22ND FLOOR
SAN FRANCISCO, CA 94105

ANN L. MCCORMICK, P.E.
PRINCIPAL
NEWCOMB ANDERSON MCCORMICK
201 MISSION STREET, SUITE 2010
SAN FRANCISCO, CA 94105

CARMEN BASKETTE
ENERNOC, INC.
594 HOWARD STREET, SUITE 400
SAN FRANCISCO, CA 94105

EILEEN COTRONEO
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, MC B9A
SAN FRANCISCO, CA 94105

JENNY GLUZGOLD
PACIFIC GAS & ELECTRIC CO.

JOHN M. NEWCOMB
NEWCOMB ANDERSON MCCORMICK

77 BEALE STREET, B9A
SAN FRANCISCO, CA 94105

201 MISSION STREET, SUITE 2010
SAN FRANCISCO, CA 94105

KAREN TERRANOVA
ALCANTAR & KAHL
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO, CA 94105

LAUREN ROHDE
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, B9A
SAN FRANCISCO, CA 94105

LISE H. JORDAN
ATTORNEY
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, B30A
SAN FRANCISCO, CA 94105
FOR: PACIFIC GAS AND ELECTRIC COMPANY

MATT SULLIVAN
NEWCOMB ANDERSON MCCORMICK
201 MISSION ST., SUITE 2010
SAN FRANCISCO, CA 94105

NORA SHERIFF
ALCANTAR & KAHL
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO, CA 94105

SANDY LAWRIE
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, MC B9A
SAN FRANCISCO, CA 94105

SEEMA SRINIVASAN
ALCANTAR & KAHL
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO, CA 94105

SHILPA RAMALYA
77 BEALE STREET, MAIL CODE N6G
SAN FRANCISCO, CA 94105

TERRY M. FRY
NEXANT, INC.
101 SECOND STREET, 10TH FLOOR
SAN FRANCISCO, CA 94105

ROBERT KASMAN
PACIFIC GAS AND ELECTRIC COMPANY
245 MARKET STYREET, ROOM 656B
SAN FRANCISCO, CA 94105-1702

STEVEN MOSS
SAN FRANCISCO COMMUNITY POWER
2325 THIRD STREET, STE 344
SAN FRANCISCO, CA 94107

EDWARD G. POOLE
ATTORNEY AT LAW
ANDERSON & POOLE
601 CALIFORNIA STREET, SUITE 1300
SAN FRANCISCO, CA 94108-2818
FOR: CALIFORNIA INDEPENDENT PETROLEUM
ASSOCIATION

CASSANDRA SWEET
DOW JONES NEWSWIRES
201 CALIFORNIA ST., 13TH FLOOR
SAN FRANCISCO, CA 94111

SARAH BUCHWALTER
ICF INTERNATIONAL
394 PACIFIC AVE., 2ND FLOOR
SAN FRANCISCO, CA 94111

SETH D. HILTON
STOEL RIVES, LLP
555 MONTGOMERY ST., SUITE 1288
SAN FRANCISCO, CA 94111

TYLER HUEBNER
ICF INTERNATIONAL
394 PACIFIC AVE SUITE 200
SAN FRANCISCO, CA 94111
FOR: ICF INTERNATIONAL

JIM FLANAGAN
JAMES FLANAGAN ASSOCIATES
124 LOWER TERRACE
SAN FRANCISCO, CA 94114

ANNE ARQUIT NIEDERBERGER
POLICY SOLUTIONS
57 CLIFFORD TERRACE
SAN FRANCISCO, CA 94117

CALIFORNIA ENERGY MARKETS
425 DIVISADERO ST STE 303
SAN FRANCISCO, CA 94117-2242

LISA WEINZIMER
ASSOCIATE EDITOR
PLATTS MCGRAW-HILL
695 NINTH AVENUE, NO. 2
SAN FRANCISCO, CA 94118

WALTER MCGUIRE
EFFICIENCY PARTNERSHIP
2962 FILLMORE STREET
SAN FRANCISCO, CA 94123

BRIAN K. CHERRY
VP, REGULATORY RELATIONS
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000, MAIL CODE: B10C

SAN FRANCISCO, CA 94177

JILL MARVER
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000, N7K
SAN FRANCISCO, CA 94177

WILLIAM C. MILLER
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000
SAN FRANCISCO, CA 94177

CASE COORDINATION
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000, MC B9A
SAN FRANCISCO, CA 94177

HELEN ARRICK
BUSINESS ENERGY COALITION
MC B8R, PGE
PO BOX 770000
SAN FRANCISCO, CA 94177-0001

RAFAEL FRIEDMANN
SUPERVISOR CUSTOMER ENERGY EFFICIENCY
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000
SAN FRANCISCO, CA 94177-0001

ELLEN PETRILL
DIRECTOR, PUBLIC/PRIVATE PARTNERSHIPS
ELECTRIC POWER RESEARCH INSTITUTE
3420 HILLVIEW AVENUE
PALO ALTO, CA 94304

ANDREW W. WOOD
ENERGY EFFICIENCY ENGINEER
HONEYWELL UTILITY SOLUTIONS
353 A VINTAGE PARK DRIVE
FOSTER CITY, CA 94404

MARY SUTTER
EQUIPOISE CONSULTING INC.
2415 ROOSEVELT DRIVE
ALAMEDA, CA 94501-6238

TERRY L. MURRAY
MURRAY & CRATTY
8627 THORS BAY ROAD
EL CERRITO, CA 94530

MISTI BRUCERI
1521 I STREET
NAPA, CA 94559

ASHISH GOEL
FOUNDER AND COO
INTERGY CORPORATION
11875 DUBLIN BOULEVARD, SUITE A201
DUBLIN, CA 94568

GRANT COOKE
VICE PRESIDENT
INTERGY CORPORATION
11875 DUBLIN BOULEVARD, SUITE A201
DUBLIN, CA 94568

JAY BHALLA
PRINCIPAL
INTERGY CORPORATION
11875 DUBLIN BLVD., SUITE A201
DUBLIN, CA 94568

RICHARD FOX
DIRECTOR
INTERGY CORPORATION
11875 DUBLIN BOULEVARD, SUITE A201
DUBLIN, CA 94568

SARAH BESERRA
CALIFORNIA REPORTS.COM
39 CASTLE HILL COURT
VALLEJO, CA 94591
FOR: CALIFORNIA REPORTS.COM

GERRY HAMILTON
SENIOR ASSOCIATE
GLOBAL ENERGY PARTNERS, LLC
500 YGNACIO VALLEY RD, SUITE 450
WALNUT CREEK, CA 94596

WILLIAM H. BOOTH
ATTORNEY AT LAW
LAW OFFICES OF WILLIAM H. BOOTH
67 CARR DRIVE
MORAGA, CA 94596
FOR: CALIFORNIA LARGE ENEGY CONSUMERS
ASSOCIATION

JENNIFER BARNES
SUMMIT BLUE CONSULTING, LLC
2920 CAMINO DIABLO, SUITE 210
WALNUT CREEK, CA 94597

TIMEA ZENTAI
SUMMIT BLUE CONSULTING, LLC
2920 CAMINO DIABLO, SUITE 210
WALNUT CREEK, CA 94597

MICHAEL CHENG
2723 HARLAND COURT
WALNUT CREEK, CA 94598

CHRIS ANN DICKERSON
CAD CONSULTING
720B CANYON OAKS DRIVE

ALEX KANG
ITRON, INC.
1111 BROADWAY, STE. 1800

OAKLAND, CA 94605

ANN PETERSON
ITRON, INC.
1111 BROADWAY, SUITE 1800
OAKLAND, CA 94607

JENNIFER FAGAN
PRINCIPAL ENERGY CONSULTANT
ITRON, INC
1111 BROADWAY, SUITE 1800
OAKLAND, CA 94607
FOR: ITRON, INC

JOHN CAVALLI
ITRON, INC.
1111 BROADWAY, STE. 1800
OAKLAND, CA 94607

KARL BROWN
1333 BROADWAY, STE. 240
OAKLAND, CA 94612

DOCKET COORDINATOR
5727 KEITH ST.
OAKLAND, CA 94618

ALISON WATSON
QUANTUM ENERGY SERVICES & TECHNOLOGIES
2001 ADDISON STREET, SUITE 300
BERKELEY, CA 94704

ROBERT GNAIZDA
THE GREENLINING INSTITUTE
1918 UNIVERSITY AVE., 2/F
BERKELEY, CA 94704
FOR: THE GREENLINING INSTITUTE

STEVE KROMER
3110 COLLEGE AVENUE, APT 12
BERKELEY, CA 94705
FOR: STEVEN KROMER

EDWARD VINE
LAWRENCE BERKELEY NATIONAL LABORATORY
BUILDING 90R4000
BERKELEY, CA 94720

DANA ARMANINO
CDA
COUNTY OF MARIN
3501 CIVIC CENTER DRIVE, ROOM 308
SAN RAFAEL, CA 94903

CARL PECHMAN
POWER ECONOMICS
901 CENTER STREET
SANTA CRUZ, CA 95060

MARY TUCKER

OAKLAND, CA 94607

FRED COITO
KEMA INC
492 NINTH ST., SUITE 220
OAKLAND, CA 94607

JO TIFFANY
ALLIANCE TO SAVE ENERGY
717 WASHINGTON STREET, STE. 210
OAKLAND, CA 94607

KATHLEEN GAFFNEY
KEMA
492 NINTH ST., SUITE 220
OAKLAND, CA 94607
FOR: KEMA

MRW & ASSOCIATES, INC.
1814 FRANKLIN STREET, SUITE 720
OAKLAND, CA 94612

BRUCE MAST
BUILD IT GREEN
1434 UNIVERSITY AVENUE
BERKELEY, CA 94702

DERRICK REBELLO
QUANTUM ENERGY SVS & TECHNOLOGIES, INC.
2001 ADDISON ST., SUITE 300
B ERKELEY, CA 94704

STEPHANIE CHEN
LEGAL FELLOW
THE GREENLINING INSTITUTE
1918 UNIVERSITY AVENUE, 2ND FLOOR
BERKELEY, CA 94704

CRAIG TYLER
TYLER & ASSOCIATES
2760 SHASTA ROAD
BERKELEY, CA 94708

MARCIA W. BECK
LAWRENCE BERKELEY NATIONAL LABORATORY
MS 90-90R3027D
1 CYCLOTRON ROAD
BERKELEY, CA 94720

RITA NORTON
RITA NORTON AND ASSOCIATES, LLC
18700 BLYTHSWOOD DRIVE,
LOS GATOS, CA 95030

GENE THOMAS
ECOLOGY ACTION
211 RIVER STREET
SANTA CRUZ, CA 95060

NANCY KIRSHNER-RODRIGUEZ

CITY OF SAN JOSE, ENVIRONMENTAL SRVC DEP
200 EAST SANTA CLARA ST., 10TH FLR.
SAN JOSE, CA 95113-1905

CONSULTING DEPARTMENT MANAGER
CONSOL
7407 TAM O SHANTER DRIVE
STOCKTON, CA 95210-3370

ROBERT W. HAMMON, PH.D
PRINCIPAL
CONSOL
7407 TAM OSHANTER DRIVE
STOCKTON, CA 95210-3370

BOB HONDEVILLE
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO, CA 95354

JOY A. WARREN
REGULATORY ADMINISTRATOR
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO, CA 95354

WILLIE M. GATERS
MANAGER, ENERGY AND SUSTAINABILTY DIV.
COUNTY OF SONOMA
2300 COUNTY CENTER DRIVE, A200
SANTA ROSA, CA 95403
FOR: COUNTY OF SONOMA

BARBARA R. BARKOVICH
BARKOVICH & YAP
44810 ROSEWOOD TERRACE
MENDOCINO, CA 95460
FOR: CONSULT. TO THE CAL.LARGE ENERGY
CONSUMERS ASSN.

THOMAS P. CONLON
PRESIDENT
GEOPRAXIS
PO BOX 5
SONOMA, CA 95476-0005

BENJAMIN FINKELOR
PROGRAM MANAGER
UC DAVIS ENEGY EFFICIENCY CENTER
1 SHIELDS AVENUE
DAVIS, CA 95616

RICHARD MCCANN
M.CUBED
2655 PORTAGE BAY ROAD, SUITE 3
DAVIS, CA 95616

MARSHALL B. HUNT
PROGRAMS DIRECTOR, UC DAVIS
WESTERN COOLING EFFICIENCY CENTER
1554 DREW AVENUE
DAVIS, CA 95616-4632
FOR: WESTERN COOLING EFFICIENCY CENTER

DOUGLAS E. MAHONE
HESCHONG MAHONE GROUP
11626 FAIR OAKS BLVD., 302
FAIR OAKS, CA 95628

KENNY SWAIN
NAVIGANT CONSULTING
3100 ZINFANDEL DRIVE, SUITE 600
RANCHO CORDOVA, CA 95670

KIRBY DUSEL
NAVIGANT CONSULTING, INC.
3100 ZINFANDEL DRIVE, SUITE 600
RANCHO CORDOVA, CA 95670

THOMAS L. TRIMBERGER
CHIEF BUILDING OFFICIAL
CITY OF RANCHO CORDOVA
2729 PROSPECT PARK DRIVE
RANCHO CORDOVA, CA 95670

LAURIE PARK
NAVIGANT CONSULTING, INC.
3100 ZINFANDEL DRIVE, SUITE 600
RANCHO CORDOVA, CA 95670-6078

DAVID REYNOLDS
MEMBER SERVICES MANAGER
NORTHERN CALIFORNIA POWER AGENCY
651 COMMERCE DRIVE
ROSEVILLE, CA 95678-6420

SCOTT TOMASHEFSKY
NORTHERN CALIFORNIA POWER AGENCY
651 COMMERCE DRIVE
ROSEVILLE, CA 95678-6420

LON W. HOUSE, PH.D
WEC
4901 FLYING C RD.
CAMERON PARK, CA 95682

ERIK PAGE
ERIK PAGE & ASSOCIATES
1012 ROOSEVELT AVE
WINTERS, CA 95694
FOR: ERIK PAGE & ASSOCIATES

ALANNA SLOAN
RUNYON SALTZMAN & EINHORN, INC.
ONE CAPITOL MALL, SUITE 400
SACRAMENTO, CA 95814

BRUCE MCLAUGHLIN
BRAUN & BLAISING, P.C.
915 L STREET, SUITE 1270
SACRAMENTO, CA 95814

DAN GEIS
 THE DOLPHIN GROUP
 925 L STREET, SUITE 800
 SACRAMENTO, CA 95814
 FOR: INLAND EMPRIES UTILITIES AGENCY

ELAINE HEBERT
 CALIFORNIA ENERGY COMMISSION
 1516 9TH STREET, MS-42
 SACRAMENTO, CA 95814

JENNIFER CASTLEBERRY
 RUNYON SALTZMAN & EINHORN
 ONE CAPITOL MALL, SUITE 400
 SACRAMENTO, CA 95814

JUSTIN C. WYNNE
 ATTORNEY AT LAW
 BRAUN BLAISING MCLAUGHLIN, P.C.
 915 L STREET, SUITE 1270
 SACRAMENTO, CA 95814

KAE LEWIS
 CALIFORNIA ENERGY COMMISSION
 1516 9TH STREET, MS 22
 SACRAMENTO, CA 95814

MOLLY HARCOS
 RUNYON, SALTZMAN & EINHORN, INC.
 1 CAPITOL MALL, SUITE 400
 SACRAMENTO, CA 95814

NICK FUGATE
 ELECTRICITY ANALYSIS DIVISION
 1516 NINTH STREET, MS - 22
 SACRAMENTO, CA 95814

RICHARD SAPUDAR
 CALIFORNIA ENERGY COMMISSION
 1516 NINTH STREET
 SACRAMENTO, CA 95814

RYAN BERNARDO
 BRAUN BLAISING MCLAUGHLIN, P.C.
 915 L STREET, SUITE 1270
 SACRAMENTO, CA 95814

G. PATRICK STONER
 LOCAL GOVERNMENT COMMISSION
 1303 J STREET, SUITE 250
 SACRAMENTO, CA 95816

JEDEDIAH GIBSON
 ATTORNEY
 ELLISON SCHNEIDER & HARRIS
 2600 CAPITOL AVENUE, SUITE 400
 SACRAMENTO, CA 95816-5905
 FOR: SIERRA PACIFIC POWER COMPANY

WILLIAM W. WESTERFIELD III
 SR. ATTORNEY
 SACRAMENTO MUNICIPAL UTILITY DISTRICT
 6201 S STREET
 SACRAMENTO, CA 95817
 FOR: SACRAMENTO MUNICIPAL UTILITY
 DISTRICT

VIKKI WOOD
 SACRAMENTO MUNICIPAL UTILITY DISTRICT
 6301 S STREET, MS A204
 SACRAMENTO, CA 95817-1899

STEVEN LEHTONEN
 GREEN PLUMBERS USA
 4153 NORTHGATE BLVD., STE. 1
 SACRAMENTO, CA 95834-1218

ROBERT MOWRIS, P.E.
 ROBERT MOWRIS & ASSOCIATES
 PO BOX 2141
 OLYMPIC VALLEY, CA 96145

DR. HUGH (GIL) PEACH
 H GIL PEACH & ASSOCIATES LLC
 16232 NW OAKHILLS DRIVE
 BEAVERTON, OR 97006

PAUL NOTTI
 HONEYWELL UTILITY SOLUTIONS
 6336 SE MILWAUKIE AVE. 11
 PORTLAND, OR 97202

BRIAN HEDMAN
 VICE PRESIDENT
 QUANTEC, LLC
 720 SW WASHINGTON STREET, STE 400
 PORTLAND, OR 97205

M. SAMI KHAWAJA, PH.D.
 QUANTEC, LLC
 SUITE 400
 720 SW WASHINGTON STREET
 PORTLAND, OR 97205

JANE S. PETERS, PH.D.
 RESEARCH INTO ACTION, INC.
 PO BOX 12312
 PORTLAND, OR 97212

SAM SIRKIN
 6908 SW 37TH AVENUE
 PORTLAND, OR 97219

MICHAEL BAKER
 VICE PRESIDENT
 SBW CONSULTING, INC.
 2820 NORTHUP WAY, SUITE 230
 BELLEVUE, WA 98004

JENNIFER HOLMES
ENERGY MARKET INNOVATIONS INC.
83 COLUMBIA STREET, SUITE 303
SEATTLE, WA 98104

JIM BAZEMORE
ENERGY MARKET INNOVATIONS INC
83 COLUMBIA STREET, SUITE 303
SEATTLE, WA 98104-1417

JOHN M. CLARKSON
HEAT PROJECT UK
ENACT ENERGY
FREEPOST NATW1078
TOLVADDON, UK TR14 0HX
UNITED KINGDOM

State Service

PETER LAI
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
320 WEST 4TH STREET SUITE 500
LOS ANGELES, CA 90013

AVA N. TRAN
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

AYAT E. OSMAN
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

CATHLEEN A. FOGEL
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

CHERYL COX
CALIF PUBLIC UTILITIES COMMISSION
ENERGY PRICING AND CUSTOMER PROGRAMS BRA
ROOM 4209
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214
FOR: DRA

CHRISTOPHER R VILLARREAL
CALIF PUBLIC UTILITIES COMMISSION
POLICY & PLANNING DIVISION
ROOM 5119
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

CURTIS SEYMOUR
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

DAVID M. GAMSON
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF ADMINISTRATIVE LAW JUDGES
ROOM 5019
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

DAVID NG
CALIF PUBLIC UTILITIES COMMISSION
EXECUTIVE DIVISION
ROOM 5207
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

EDWARD HOWARD
CALIF PUBLIC UTILITIES COMMISSION
POLICY & PLANNING DIVISION
ROOM 5119
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ELIZABETH PODOLINSKY
CALIF PUBLIC UTILITIES COMMISSION
COMMUNICATIONS POLICY BRANCH
ROOM 4211
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

FRED L. CURRY
CALIF PUBLIC UTILITIES COMMISSION
WATER AND SEWER ADVISORY BRANCH
ROOM 3106
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

HAZLYN FORTUNE
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JAMIE FORDYCE
CALIF PUBLIC UTILITIES COMMISSION
EXECUTIVE DIVISION
ROOM 5303
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JEAN A. LAMMING
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 AREA 4-A
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

JEANNE CLINTON
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 ROOM 4008
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

GEORGE S. TAGNIPES
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 AREA 4-A
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

JOYCE STEINGASS
 CALIF PUBLIC UTILITIES COMMISSION
 WATER BRANCH
 ROOM 4209
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

JUDITH IKLE
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 ROOM 4012
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

KAREN WATTS-ZAGHA
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY PRICING AND CUSTOMER PROGRAMS BRA
 ROOM 4104
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214
 FOR: DRA

KATHERINE HARDY
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 AREA 4-A
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

LISA PAULO
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 AREA 4-A
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

MATTHEW TISDALE
 CALIF PUBLIC UTILITIES COMMISSION
 ELECTRICITY PLANNING & POLICY BRANCH
 ROOM 4104
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

MICHAEL WHEELER
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 AREA 4-A
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

MIKHAIL HARAMATI
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 AREA 4-A
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

NATALIE WALSH
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 ROOM 4003
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

PAMELA WELLNER
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 AREA 4-A
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

PETER FRANZESE
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 AREA 4-A
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

SAZEDUR RAHMAN
 CALIF PUBLIC UTILITIES COMMISSION
 POLICY ANALYSIS BRANCH
 AREA 3-E
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

SUMAN MATHEWS
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY PRICING AND CUSTOMER PROGRAMS BRA
 ROOM 4104
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

THOMAS ROBERTS
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY PRICING AND CUSTOMER PROGRAMS BRA
 ROOM 4104
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

TIM G. DREW
 CALIF PUBLIC UTILITIES COMMISSION
 ENERGY DIVISION
 AREA 4-A
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

YULIYA SHMIDT
CALIF PUBLIC UTILITIES COMMISSION
ENERGY PRICING AND CUSTOMER PROGRAMS BRA
ROOM 4104
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ZENAIDA G. TAPAWAN-CONWAY
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ANNE W. PREMO
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
770 L STREET, SUITE 1050
SACRAMENTO, CA 95814

CYNTHIA ROGERS
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET
SACRAMENTO, CA 95814

E.V. (AL) GARCIA
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET. MS 42
SACRAMENTO, CA 95814
FOR: CALIFORNIA ENERGY COMMISSION

MARGARET SHERIDAN
CALIFORNIA ENERGY COMMISSION
DEMAND ANALYSIS OFFICE
1516 NINTH STREET, MS-22
SACRAMENTO, CA 95814
FOR: CALIFORNIA ENERGY COMMISSION

SYLVIA BENDER
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET, MS22
SACRAMENTO, CA 95814

[TOP OF PAGE](#)
[BACK TO INDEX OF SERVICE LISTS](#)