BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA


Rulemaking 13-11-005
Filed November 14, 2013

SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) 2014 ANNUAL REPORT
FOR ENERGY EFFICIENCY PROGRAMS

JANET S. COMBS
MONICA GHATTAS

Attorneys for SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California  91770
Telephone:  (626) 302-3623
Facsimile:  (626) 302-6693
E-mail:  monica.hattas@sce.com

Dated:  May 01, 2014
Southern California Edison Company (SCE) hereby submits its 2014 Annual Report for 2013 Energy Efficiency Programs and Results, Appendix A 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 due on May 1 of the year following the end of a program year.

In addition, SCE submits a Notice of Availability for the related documents available for viewing and downloading on the CPUC’s Energy Efficiency Statistics Application (EESTATS) website, Appendix B hereto.
Respectfully submitted,

JANET S. COMBS
MONICA GHATTAS

/s/ Monica Ghattas
By: Monica Ghattas

Attorneys for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California  91770
Telephone:  (626) 302-3623
Facsimile: (626) 302-1910
E-mail: Monica.Ghattas@sce.com

May 01, 2014
Appendix A

SCE’s 2014 Energy Efficiency Annual Report for Program Year 2013
2014

Energy Efficiency Annual Report

◆ Summary Report

2013 Program Overview & Strategies

◆ Technical Appendix

2013 Results

May 2014
EXECUTIVE SUMMARY ...........................................................................................................8

2012 ENERGY EFFICIENCY PROGRAM OVERVIEW ..........................................................12

A. Statewide Program For Residential Energy Efficiency ......................................................12

1. Home Energy Advisor ......................................................................................................14
2. On Line Buyers Guide ......................................................................................................16
3. Home Energy Efficiency Survey Program ......................................................................16
4. Statewide Plug Load and Appliances Program ...............................................................18
5. Multifamily Energy Efficiency Rebate Program ...............................................................20
6. Energy Upgrade California Home Upgrade ..................................................................21
7. California Advanced Homes ..........................................................................................24
8. ENERGY STAR Manufactured Housing .........................................................................24

B. Statewide Commercial Energy Efficiency Program .........................................................25

1. Commercial Energy Advisor Program ...........................................................................25
2. Calculated Incentives Program .......................................................................................26
3. Deemed Incentives Program ..........................................................................................27
4. Direct Install Program ....................................................................................................28
5. Continuous Energy Improvement Program ..................................................................28
6. Savings By Design Program ..........................................................................................29
7. Non-Residential HVAC Program ..................................................................................30

C. Statewide Industrial Energy Efficiency Program ............................................................31

1. Industrial Energy Advisor Program ................................................................................32
2. Calculated Energy Efficiency Program ..........................................................................33
3. Deemed Energy Efficiency Program .............................................................................33
4. Continuous Energy Improvement Program ....................................................................34
D. Statewide Agricultural Energy Efficiency Program

1. Agricultural Energy Advisor Program
2. Calculated Energy Efficiency Program
3. Deemed Energy Efficiency Program
4. Continuous Energy Improvement Program
5. Pump Test Services Program

E. Statewide Lighting Program

1. Primary Lighting Program
2. Lighting Innovation
3. Lighting Market Transformation

F. Statewide Finance Programs

1. On-Bill Finance
2. Financial Solutions
3. ARRA - Originated Financing
4. New Finance Offerings

G. Statewide Residential HVAC Program

1. Residential HVAC Quality Installation Program
2. Residential Quality Maintenance and Commercial Quality Maintenance Program

H. Statewide Codes & Standards Program

1. Building Codes Advocacy
2. Appliance Standards Advocacy
3. Compliance Improvement
4. Reach Codes
5. Planning and Coordination
I. Statewide Emerging Technologies Program .................................................................59
   1. Technology Assessments ......................................................................................60
   2. Technology Development Support ......................................................................61
   3. Technology Introduction Support .......................................................................62
J. Statewide Workforce Education & Training Program ..............................................64
   1. WE&T Centergies ...............................................................................................64
   2. WE&T Connections ............................................................................................67
   3. WE&T Strategic Planning and Implementation ..................................................68
K. Statewide Marketing, Education & Outreach Program ...........................................70
L. Statewide Integrated Demand Side Management Program .....................................72
M. Energy Leader Partnerships ....................................................................................75
   1. City of Beaumont Energy Leader Partnership ....................................................76
   2. City of Long Beach Energy Leader Partnership ...............................................77
   3. City of Redlands Energy Leader Partnership .....................................................78
   4. City of Santa Ana Energy Leader Partnership ....................................................79
   5. City of Simi Valley Energy Leader Partnership ..................................................80
   6. Gateway Cities Energy Leader Partnership .......................................................80
   7. Community Energy Leader Partnership ............................................................82
   8. Eastern Sierra Energy Leader Partnership .........................................................83
   9. Partnership Strategic Support .............................................................................84
  10. Desert Cities Energy Leader Partnership ............................................................85
  11. Kern County Energy Leader Partnership .............................................................86
  12. Orange County Energy Leader Partnership .......................................................88
  13. San Gabriel Valley Energy Leader Partnership ...................................................89
  14. San Joaquin Valley Energy Leader Partnership ..................................................90
15. South Bay Energy Leader Partnership ................................................................. 91
16. South Santa Barbara County Energy Leader Partnership .................................. 93
17. Ventura County Energy Leader Partnership ....................................................... 94
18. Local Government Strategic Planning Pilot Program ......................................... 95
19. Western Riverside Energy Leader Partnership .................................................. 96
20. City of Adelanto Energy Leader Partnership ....................................................... 97
21. West Side Energy Leader Partnership ............................................................... 98
22. SoCalREN Fiscal Oversight Partnership ........................................................... 99

N. Institutional and Government Energy Efficiency Partnership Program .......... 101
   1. California Community Colleges Energy Efficiency Partnership ....................... 101
   2. California Department of Corrections and Rehabilitation Energy Efficiency Partnership .......................................................... 104
   3. County of Los Angeles Energy Efficiency Partnership ..................................... 105
   4. County of Riverside Energy Efficiency Partnership ......................................... 107
   5. County of San Bernardino Energy Efficiency Partnership ................................ 109
   7. UC/CSU Energy Efficiency Partnership ............................................................ 112

O. Third Party Programs ......................................................................................... 114
   1. Comprehensive Manufactured Homes ............................................................... 114
   2. Cool Planet ....................................................................................................... 115
   3. Healthcare EE Program .................................................................................... 117
   4. Data Center Energy Efficiency ......................................................................... 117
   5. Lodging EE Program ....................................................................................... 118
   6. Food & Kindred Products ................................................................................ 119
   7. Primary and Fabricated Metals ........................................................................ 119
   8. Nonmetallic Minerals and Products ................................................................. 120
This page intentionally left blank.
EXECUTIVE SUMMARY

During 2013, Southern California Edison Company (SCE) continued to successfully deliver a diverse portfolio of energy efficiency (EE) programs, providing cost-effective resource benefits to its ratepayers and the state of California. The United States Environmental Protection Agency (EPA) recognized SCE's 2013 EE portfolio with the 2014 Energy Star® Sustained Excellence Award, its highest honor for exemplary work in partnering with customers to save energy. Collectively achieving over 1.1 billion kilowatt-hours (kWh) of annualized energy savings and over 190 megawatts (MW) of peak demand reduction, the portfolio also produced over $67 million of net resource benefits in 2013. In addition to helping customers save money, save energy, and live more comfortably, SCE's EE programs continued to significantly contribute to the State's goal of reducing greenhouse gas emissions, with avoided emissions of over 360,000 tons of carbon dioxide in 2013. As described below, SCE continued its successful mainstay programs, introduced new pilots, and addressed numerous crosscutting goals, such as supporting water-energy nexus activities and coordinating with the California Energy Commission’s (CEC’s) Prop 39 Program.

Residential

Within the California Statewide Programs for Residential Energy Efficiency (CalSPREE), the Energy Upgrade California (EUC) Program continued to encourage comprehensive residential upgrades completing over 700 home retrofit projects in 2013, with a continued focus on improving customer and contractor satisfaction by streamlining the program process to make it simpler, faster and more efficient.

The Primary Lighting Program also formed new relationships with numerous LED manufacturers to move the program towards the CEC's aggressive LED standards. Similarly, the Plug Load and Appliance Program also worked through retail partnerships to implement creative marketing initiatives which provided matching Sears gift cards in addition to standard program rebates, successfully driving incremental Home EE Rebate Program HEER participation in 2013.

SCE also launched new residential pilots in 2013 including the Multifamily Pool Pump
Direct Install Program, the Middle Income Direct Install Pilot, the joint SCE/Southern California Gas Company (SoCalGas) Energy Upgrade California Multifamily Pilot, and the Midstream Lighting Distributor Pilot and completed behavioral program deployment plans to reach the California Public Utilities Commission’s (CPUC’s) established goal of engaging 5% of SCE residential households in behavioral programs by 2014.

**Nonresidential Programs**

SCE’s successful statewide programs, including the statewide Commercial, Industrial, and Agricultural EE Programs provided nonresidential audits, deemed and customized incentives, and continuous energy improvement offerings. These programs alone delivered EE offerings to over 4,700 nonresidential customers in 2013. While deemed and customized programs faced ongoing challenges due to reductions in claimable energy savings and the complexity of the customized process, SCE focused on solutions to spur participation and deep retrofits, including the introduction of a comprehensive bonus in support, which offered an added incentive for customers implementing more comprehensive projects, in support of CPUC guidance to pursue deeper energy savings. SCE also introduced a record number of measures, targeting Industrial and Agricultural participation, while the Commercial Direct Install Program collaborated with SCE’s Energy Leader Partnerships (ELP) to retrofit municipal-owned buildings.

In addition, SCE’s 2013 On-Bill Financing Program funded over 300 EE projects in 2013, representing approximately $10 million in loans, enabling businesses, local governments, and institutional customers to pursue increasing levels of EE. SCE also worked with the other investor-owned utilities (IOUs) and the CPUC throughout 2013 to develop a suite of new finance pilots including residential, multifamily and nonresidential financing options that are expected to launch in 2015 and will increasingly leverage third party capital in place of ratepayer funds to finance EE upgrades.
Partnerships

In 2013, SCE's ELP design continued to drive customers to achieve energy savings and Demand Response (DR) enrollment, by advancing three new cities to the Platinum level and 15 new cities to the Gold level status. SCE also established a positive working relationship with the Southern California Regional Energy Network (SoCalREN) while working collaboratively to develop and launch the SoCalREN. Additionally, SCE continued the Local Government Strategic Plan Pilot Program, which included numerous activities such as the development of over 120 energy action plans designed to develop long-term local government vision and to identify specific EE projects for implementation. As noted above, the ELP Program also added a Direct Install option to better address local government needs and increase kW savings.

Third Party Programs

SCE continued to draw upon the strengths of the EE community, including third party implementers which provided EE services to a wide array of customer segments including businesses, industrial customers, health care facilities, universities, and schools. The Innovative Design for Energy Efficiency Approaches (IDEEA) 365 Program introduced several interesting new concepts, including the Water Infrastructure and System Efficiency (WISE) Program, which provides water-energy solutions for all major areas of water (e.g., pumping, water treatment, water distribution, and waste water treatment) throughout SCE's territory, and the First Fuel Analytics-Enabled Efficiency Program, which provides “low touch/no touch” audits that identify, enable and tracks EE savings behind the meter without on-site audits or device installations.

Crosscutting

SCE's crosscutting programs also provided significant resource and nonresource contributions to the portfolio in 2013. The IOU statewide Codes and Standards (C&S) team, played a significant role in the development, adoption, and implementation of innovative training, best practices, and tools to support enhanced code compliance with Title 24, building
energy standards, and played a major role in assisting the CEC to develop training curriculum for the 2013 Title 24 building energy compliance software. The Technology Resource Incubator Outreach (TRIO) Program, a sub-program of the statewide Emerging Technologies (ET) Program, also continued engaging EE and DR entrepreneurs, investors, and universities through outreach and forums.

The ET Program also contributed to the development, assessment, and introduction of new and under-utilized EE measures, including innovative HVAC equipment. This program addressed technology and market barriers to zero net energy (ZNE) goals, by teaming up with a new homebuilder to design, construct, and monitor a new ZNE home, and by retrofitting several track homes. In support of commercial ZNE, the ET Program teamed with an architect/builder to design, construct, and monitor a new ZNE office building and also retrofitted a recreational facility on a university campus to ZNE or near ZNE. The ET Program also conducted outreach via the Technology Resource Innovative Outreach (TRIO) Program. TRIO continues to engage EE and DR entrepreneurs, investors, and universities through workshops and round tables. TRIO events aim to educate potential third party and technology suppliers about the Technology Resource Innovation Program (TRIP) solicitation. The TRIP solicitation is a tool to find, fund, and foster new innovative technology. TRIO and TRIP continue to foster new innovative technologies and pull new entrepreneurs into our pool of third party implementers.

Water-Energy Activities

As noted above the 2013 IDEEA 365 program selected the new WISE Program to introduce water-energy solutions in SCE’s territory. In addition, SCE's Partnership Program created a territory-wide program to save energy through water-loss detection and pressure management. This effort will accurately capture water and energy savings and advance the methodology for determining the total energy savings associated with cold water conservation.
Proposition 39 Program Coordination

2013 also served as a foundational year for coordination with the CEC’s Proposition 39 Program. This program provides approximately $550 million per year (beginning fiscal year 2013-2014), for five years to California K-12 schools and community colleges for EE and renewable projects. In 2013, SCE’s California Community Colleges (CCC) Partnership coordinated closely with its community colleges to provide enhanced outreach funding, project development, and technical support for 21 districts representing 43 campuses. By early 2014, SCE had engaged all districts in its territory, and helped CCCs identify 60 Prop 39 projects, representing projected energy savings of more than 10 million kWh for the first year of the program. SCE also began working with its K-12 school districts to discuss potential projects and strategies to couple Prop 39 funds with IOU services and incentives, and worked closely with the other IOUs, the CEC, the CPUC, and other key stakeholders to ramp up for K-12 Prop 39 implementation in 2014.

Integrated Demand Side Management

SCE continued to emphasize integrated demand side management (IDSM) throughout the portfolio through the online, integrated residential and small business audit tool, the development of integrated marketing collateral and campaigns, outreach events, and website efforts, and continued implementation of integrated pilots, including Sustainable Communities and the development of 33 ZNE homes through SCE's ZNE offerings.

Conclusion

SCE continues to work closely with the CPUC, state, regional, and other stakeholders to achieve the State's strategic vision and goals to ensure that: (1) all cost-effective, reliable and feasible EE measures and actions are implemented through an integrated approach, (2) strategies, programs, measures and institutional structures provide long-term energy savings, and (3) EE will generate significant reductions in greenhouse gas emissions, as adopted in the California
Long Term Energy Efficiency Strategic Plan (Strategic Plan). This report describes the successful EE program activities SCE administered and implemented during 2013.

2013 ENERGY EFFICIENCY PROGRAM OVERVIEW

A. Statewide Program For Residential Energy Efficiency

California's ambitious goal of reaching 13 million existing homes with comprehensive EE improvements by 2020 requires increasingly integrated, coordinated, and scaled efforts. In 2013, SCE continued to work with California's other IOUs, publicly owned utilities (POUs), water agencies, and other organizations in the State to meet these goals. The IOUs also continued to offer comprehensive activities to reach California's diverse population, climate zones, and socio-economic classes to tap the economic potential available while advancing the initiatives of the Strategic Plan.

The 2013 CalSPREE offered and promoted specific and comprehensive energy solutions within the residential market sector. The residential portfolio employs various strategies and tactics to overcome market barriers and to deliver programs and services aligned to support the Strategic Plan by encouraging adoption of economically viable EE technologies, practices, and services. The primary objectives of the program are to:

- Facilitate, sustain and transform the long-term delivery and adoption of EE products and services for single and multifamily dwellings.
- Cultivate, promote and sustain lasting energy-efficient behaviors by residential customers through a collaborative statewide education and outreach mechanism.
- Meet consumers' EE adoption preferences through a range of offerings including single-measure incentives and more comprehensive approaches.

Go on to the next page
1. **Home Energy Advisor Program**

   **Program Description**

   The 2103 Energy Advisor Program helps customers understand their energy use and empowers them to manage it, and will guiding them, where appropriate, towards whole-house energy solutions. This subprogram utilizes behavioral outreach initiatives and interactive tools designed to engage customers and to encourage participation in innovative initiatives to reduce their energy consumption through behavioral solutions, program recommendations, and applicable IDSM opportunities.

   **Strategies Implemented in 2013**

   The Home Energy Report is designed to meet the Commission’s established goal of engaging 5% of all residential customers in behavioral programs by the end of 2014. In 2013, SCE:

   - Met with the Energy Division and consultants to obtain their approval for the experimental design and implementation approach.
   - Completed the Phase 1 Home Energy Report mailing to reach 65,000 SCE customers.
   - Developed the experimental design approach for Phase 2 Home Energy Report mailing for 2014, to reach 75,000 customers.
   - Designed and developed the innovative HEES Enhancement Implementation strategy, targeting customers using tier-3 and above rates, with a scheduled deployment in 2014 to reach 100,000 customers.
   - Developed straw-policy proposals for future behavior program design with the statewide program team. This proposal was discussed at the public Statewide Behavior Workshop held in 2013 and would expand the current definition of behavior program beyond experimental design, comparative energy usage and ex-post evaluation.
- Mailed more than 600,000 Home Energy Efficiency Survey (HEES), targeting high-usage customers. With an expected 13%+ return rate, these customers will receive a Home Energy Audit Report with a list of recommendations to improve Energy Efficiency within their households. These recommendations are carefully linked to existing residential rebate programs to motivate actions. These mailings were completed in collaboration with city partnerships, schools, and Southern California Gas (SCG).

- Mailed out more than 100,000 HEES to engage residential customers to achieve water conservation actions through water conservation and usage questions embedded in the HEES design. These mailings were completed in collaboration with water agencies and SCG.

- Engaged approximately ten schools, reaching over 4,000 students to participate in the HEES mail-in and Home Energy Advisor On-Line Audit tool.

- Developed the Home Energy Guide performance tracking metrics to better monitor customer usage. Home Energy Guide is an on-line resource design to assist customers in making the optimal Energy Efficiency purchase decisions.
2. **On Line Buyer's Guide**

**Program Description**

The On Line Buyer's Guide Program (OBG), or "Home Energy Guide" (HEG), supports the Strategic Plan objectives and provides SCE residential customers with an integrated guide, where they can find information and tools to overcome the market barriers that prevent them from purchasing all types of energy-efficient products. The program increases participation in EE programs, customer satisfaction, customer self-service and empowerment, customer action, knowledge and awareness, and addresses customer needs based on their knowledge level. The Online Buyer's Guide includes: Technology Overviews, Incentive Program Information, Shoppers Guide, Savings Information, Product Database and Retailer/Supplier Locator.

**Strategies Implemented in 2013**

- Developed performance tracking metrics against the Program Implementation Plan and customer objectives.
- Enhanced the specification based on the performance evaluation and program review process.
- Promoted the Buyer's Guide at the statewide level.
- Leveraged all available opportunities within programs at SCE and at other IOUs to integrate the offerings of the product to better serve customers.
- Enhanced the HEG content using the sce.com re-platform process.
- Conducted the usability study and customer survey.

3. **Home Energy Efficiency Survey Program**

**Program Description**

The Home Energy Efficiency Survey (HEES) program is a continuation of the existing HEES program. This program works in collaboration with the On-Line Buyer's Guide and Community Language Energy Outreach programs to provide comprehensive
and integrated outreach efforts to use energy audits to promote comprehensive retrofits to achieve deep energy reduction in the residential sector. This program goal is consistent with the Strategic Plan and IDSM (Integrated Demand Side Management Program) implementation strategies. The HEES Program is used to reach out to customers in multiple languages through different delivery channels to perform a variety of energy surveys. The program provides survey results to enable participants to understand how their energy use varies throughout the year and how their household compares with other similar households. A multi-language approach enhances the program's ability to reach California's diverse cultures and provides efficiency recommendations based on a whole-house system approach. Additionally, HEES provides information and referrals to other EE programs, solar, water conservation efforts, demand response, and low income programs, as applicable.

**Strategies Implemented in 2013**

- Completed the HEES Enhancement Energy Report design.
- Reviewed and revised the 3rd revision of the Behavior intervention strategy with the statewide team.
- Developed the Behavioral pilot proposals based on the statewide behavioral intervention strategy.
- Launched the Phase 1 Home Energy Report to SCE customers.
- Engaged water agencies to participate in the HEES mail-in survey and provide water usage analysis and recommendations to SCE, Southern California Gas (SCG), and Water Agency customers.
- Continued engagement of schools to participate in the HEES mail-in and On-line survey.
- Provided an EE and water-saving kit (Energy Kit) through SCG to customers who completed the HEES survey during the promotion period.
- Continued to provide customized EE reports and recommendations to all customers who completed the HEES survey.
4. **Statewide Plug Load and Appliances Program**

**Program Description**

The Plug Load and Appliances (PLA) program merges the former Home Energy Efficiency Rebate (HEER), Business Consumer Electronics (BCE), and Appliance Recycling (ARP) programs. This subprogram develops and builds upon existing Point of Sale (POS) retailer relationships and includes Responsible Appliance Disposal (RAD) appliance recycling strategies. PLA offers rebates and incentives to customers for purchasing and installing high efficiency appliances (such as Energy Star®) and recycling inefficient refrigerators and freezers.

**Statewide Strategies Implemented in 2013**

- PLA Statewide (SW) program team held regular IOU program planning discussions that were beneficial in allowing collaboration between SW teams on specific plans and strategies that positively impacted the PLA Program.

- The SW PLA team engaged with a number of different stakeholders (including Cal-Plug, Natural Resource Defense Council, California Energy Commission, Northwest Energy Efficiency Alliance, Sacramento Municipal Utility District, Green Tech Leadership Group, Environmental Protection Agency, ENERGY STAR®, and the Consortium for Energy Efficiency) to increase coordination and collaboration on market development by hosting multiple workshops to continue dialogue among IOUs and Commission staff on future program development, market transformation program successes, and PLA program opportunities.
- The team coordinated with the Western Regional Utility Network (WRUN) to offer a WRUN-wide clothes washer promotion in September 2013. Promotion focused on using consistent Point of Purchase (POP) marketing material statewide, and set the foundation for new targeted promotions and more retailers to participate in the future. This resulted in increased sales of qualified clothes washers by 250%.

- The PLA program launched a statewide Residential Solutions Workbook project, an EM&V effort to help design and manage residential efficiency programs by aggregating and displaying market and energy use data through a single tool. Once the tool is developed, the PLA Program Managers will be able to utilize this tool to forecast, plan and coordinate future program measures and strategies.

- Enacted online messaging promotion of available point of sale discounts for qualifying SW PLA on retailer websites.

- Began offering specialized training for pool pump contractors and installers (for the electric IOUs).

**SCE Strategies Implemented in 2013**

- During Q2-Q3, SCE deployed a summer readiness campaign for all customers, educating them on ways to manage their electric bill during summer and encouraging energy conservation by helping them to understand their energy usage and patterns of usage. As part of the campaign, a social media (Facebook) promotion was utilized, to build awareness of and encourage enrollment in HEER, and to drive foot traffic to participating retailers (Sears, Lowe's, and The Home Depot) for point-of-sale rebates.

---

1 The Western Regional Utility Network is an organization and alliance among California and northwestern utilities working together to provide its retail and manufacturer partners a more collaborative approach to delivering energy efficiency programs, while increasing the uptake of energy-efficient products in the retail market.
Through the various media channels (Facebook, retailer websites, email, newspaper inserts, digital banner ads, bill inserts) customers were encouraged to visit and "like" the SCE Summer Savings Facebook app. The app helped customers learn about available rebates and find the closest store locations of participating POS retailers. In addition, customers who "liked" our page were also entered into a weekly giveaway for a $250 reward card from one of the three retailers. In addition to driving an increase in HEER volume, this effort also served as a new and exciting way to benefit both customers and our retail partners.

During Q4, a marketing campaign promoting HEER refrigerator rebates and the ARP recycling program was employed to coincide with the holiday shopping season. This campaign utilized bill inserts, radio, digital advertising such as Search Engine Marketing, online banner ads, and email to build awareness of available rebates, and encouraged customers to purchase new ENERGY STAR®-Qualified appliances at their local retailer.

In connection with the Q4 marketing effort, through in-store signage and additional sales associate training, SCE partnered with Sears to offer a matching $35 or $75 gift card to customers purchasing qualifying HEER Refrigerators. This incentive was given in addition to the POS rebate and was very successful in helping drive incremental HEER POS participation in 2013.

5. **Multifamily Energy Efficiency Rebate Program**

**Program Description**

The Multifamily Energy Efficiency Rebate (MFEER) Program offers prescriptive rebates for energy-efficient products to motivate multifamily property owners and managers to install the products. These products could be installed in both common and dwelling areas of multifamily complexes and in common areas of mobile home parks and condominiums. An additional objective of the program is to heighten the EE awareness of property owners, property managers, and tenants.
The MFEER must address the ongoing concern with "split incentives," where the residents lack incentive to improve their energy usage because they are not the owners of the property. Similarly, the property owners lack incentive to upgrade because they do not live on-site and thus do not pay the higher utility bills that result from inefficient appliances. MFEER was designed to drive this customer segment toward participation by offering property owners a variety of EE measures and services.

**Strategies Implemented in 2013**

- In an effort to maximize the savings potential and benefits for customers, MFEER is coordinating with Energy Savings Assistance Program (ESAP) and EE Programs, such as Energy Upgrade California Multifamily. This integrated approach combines market-rate and income-qualified energy efficiency measures.

- The IOUs continued to advertise in various apartment industry trade publications and participated in several trade shows promoting MFEER, as well as other related programs. As a result, the program has maintained continued engagement with energy specialists and property management firms.

- SCE implemented, with limited success, point-of-sale rebates for multifamily property owner and managers through Home Depot's business-to-business arm.

- SCE worked with Orange County and San Bernardino County to streamline the plan check process and to reduce the associated fees for Variable Speed Drive Pool Pumps. As a result, plan check review times have been reduced up to 75% and plan check fees have been reduced up to 80%.

6. **Energy Upgrade California™ Home Upgrade (EUC)**

**Program Description**

Energy Upgrade California Home Upgrade provides incentives for comprehensive home upgrades to single-family and multifamily residential customers. The program guides customers to do energy savings retrofits using a wholehouse approach that allows customers to achieve deeper and more comprehensive energy savings in keeping with the energy efficiency loading order. This approach views the
building as a set of interdependent systems that must be considered holistically. The Home Upgrade program is designed to offer a one-stop approach to whole-house energy-efficient improvements. The objectives for Home Upgrade are to introduce contractors and residential customers to the concept of home performance, help transform the home retrofit market, and drive participation that will save customers, on average, a minimum of 10% and up to 45% annual energy reduction

**Home Upgrade and Advance Home Upgrade**

To participate in the Home Upgrade Program, customers must work with a participating contractor to install eligible energy efficiency measures to decrease their energy usage. Incentives of up to $4,500 per home are available. There are two paths in the Home Upgrade Program: a Home Upgrade path that uses a deemed / performance hybrid approach and an Advanced Home Upgrade path that uses comprehensive energy modeling. These paths allow the customer to choose from a variety of measures that best suit their home and needs.

**Strategies Implemented in 2013**

- Added efficient variable-speed pool pumps as an allowable measure within Advanced Home Upgrade.

- Conducted a joint-IOU effort, in collaboration with CPUC Staff, CEC, and interested stakeholders, to expand the allowable software modeling tools for Advanced Home Upgrade. This effort is expected to be completed in 2014, and is expected to help reduce administrative burden on contractors, to enhance the customer sales and engagement process, and to improve energy savings prediction accuracy. An expansion of software modeling tools also opens the door for future program design enhancements, including the possibility of a pay-for-performance model incentive and improved real-time evaluation.

- The IOUs continued to streamline program reporting requirements. Building on 2013 improvements, the IOUs have continued to work closely with program participants to identify and resolve application and process challenges through improved desktop review practices and additional training to contractors.
• Program targeting efforts identified the customer attributes linked to propensity to participate and the building attributes (such as age of the home) tied to higher potential savings. This analysis has been used to determine target regions for marketing and outreach efforts.

• The IOUs re-designed and enhanced the program's prescriptive participation path, in cooperation with the Regional Energy Network (RENS). The new Home Upgrade path replaced both the IOUs' Basic Path and the RENs' Flex Path to improve on both former offerings.

**Energy Upgrade California Multifamily Pilot**

The Energy Upgrade California Multifamily Pilot is an extension of the existing statewide Energy Upgrade California (EUC) Program. The Energy Upgrade California Multifamily (MF EUC) Pilot Program specifically targets the multifamily housing retrofit market and promotes long-term energy benefits. The SCE program is implemented in coordination with Southern California Gas Company (SoCalGas®), with SCE serving the lead utility role.

In April 2013, SCE issued a request for proposal inviting qualified, professional energy auditing firms to bid on services which include outreach, energy audits, quality assurance, quantity control, and general program support. In September 2013, SCE hired the three firms to provide these services in support of the pilot. The three firms selected were TRC Energy Services, Association for Energy Affordability (AEA), and Partner Engineering & Science / Partner Energy.

**Strategies Implemented in 2013**

• The SCE/SoCalGas pilot program evaluated multifamily properties from a portfolio perspective, assigned a dedicated single-point-of-contact (SPOC) as resource to property owners, provided two levels of energy assessments, and leveraged all available IOU IDSM Programs to help properties reduce their energy consumption.
- Properties identified as having deep energy savings potential are identified as good candidates for the MF EUC Pilot. Upon property owner commitment, they are subsequently enrolled in the pilot program. Two properties were successfully enrolled in the program with several others pending property owner commitment.

- Pilot program includes testing the utilization of the EPA's ENERGY STAR® Portfolio Manager, not only to help identify properties with energy savings potential, but also to view and track results after implementation.

7. **California Advanced Homes**

   **Program Description**

   California Advanced Homes Program (CAHP) is part of the statewide Residential New Construction program offering. CAHP encourages single-family and multifamily builders of all production volumes to construct homes that exceed California's Title 24 EE standards by a minimum of 15 percent. This goal will be achieved through a combination of incentives, technical education, design assistance, and verification. Through this plan, multifamily and single-family projects are approached identically for program purposes except where explicitly noted.

   **Strategies Implemented in 2013**

   There were no new strategies implemented in 2013 as the program was focused on program redesign for the July 2014 code change.

8. **ENERGY STAR Manufactured Housing**

   **Program Description**

   The ENERGY STAR Manufactured Housing Program (ESMH) is part of the statewide Residential New Construction program offering and addresses new factory-built housing not covered under the State's Title 24 (T-24) energy codes. ESMH is designed to promote the construction of new manufactured homes that comply with the ENERGY STAR energy-efficient standards and targets manufacturers, retailers and
homebuyers of manufactured homes. The key objectives of the program are to capture cost effective energy savings and demand reduction opportunities and to move the industry towards zero net energy.

**Strategies Implemented in 2013**

Market demand for this type of construction was minimal; therefore no new strategies were implemented in 2013.

**B. Statewide Commercial Energy Efficiency (EE) Program**

The 2013-2014 Statewide Commercial Energy Efficiency Program offers strategic energy planning support, technical support (e.g., facility audits, calculation and design assistance), and rebates and incentives aimed at providing a demand side management (DSM) solution to help commercial customers save money and energy. Targeted segments include distribution warehouses, office buildings, hotels, motels, restaurants, schools, universities, colleges, hospitals, high tech facilities, biotechnology facilities, retail facilities, and smaller customers that have similar buying characteristics. Energy Advisor, Calculated Incentives, Deemed Incentives, Direct Install, Continuous Energy Improvement, Nonresidential New Construction (Savings By Design), and the Nonresidential HVAC Program comprise the core product and service offerings for the Commercial Energy Efficiency Program. Each utility also offers local program elements such as Third Party and Local Government Partnership programs that complement and enhance these core offerings in their region.

1. **Commercial Energy Advisor Program**

   **Program Description**

   The Energy Advisor Services Program provides customers with assessment / benchmarking, and basic, integrated, retro-commissioning and continuous energy improvement audits. These audits provide an inventory of technical project opportunities and financial analysis information designed to educate customers about DSM opportunities and encourage action.


**Strategies Implemented in 2013**

- Continued development of online audit tools to address small business customers.

- Expanded development of a web-based application / tool to facilitate on-site audits for medium and large customers.

- Developed a new tool used to screen customers to determine the need for a more in-depth integrated audit. Conducted beta testing of the tool with various account representatives to solicit feedback to meet the needs of customer-facing personnel.

- Initiated development of an end-to-end audit database to capture the data in an integrated comprehensive tracking system. This database will provide enhanced customer energy need opportunities analysis and improved customer tracking abilities. Project development is scheduled to begin in 2014.

- Improved integrated onsite auditing and reporting efforts by coordinating with internal Demand Response (DR), California Solar Initiative (CSI), and Self Generation Incentive Program (SGIP) staff on report content.

- Contributed to SCE's internal Prop 39 support strategy by assisting school districts in their efforts to identify EE opportunities through benchmarking and audits.

- Tracked and reported integrated audit efforts through the Joint IOU IDSM Quarterly Summary and Compliance Tracking Report.

2. **Calculated Incentives Program**

   **Program Description**

   The Calculated Incentives Program offers incentives for customized retrofit and retro-commissioning EE projects. The program also provides comprehensive technical and design assistance.
Strategies Implemented in 2013

- Continued to educate delivery channels on custom program changes to participation requirements due to updated Energy Division dispositions and Industry Standard Practice assumptions, as well as expected 2013 Title 24 changes.
- Developed a tool to simplify Lighting Power Density requirements.
- Continued to promote SCE's online application tool and streamlined customer application / agreement as part of continuous improvement efforts.
- Continued to focus efforts on streamlining and improving processing times for the Calculated Incentive Program.
- Adjusted the Commercial Retro-commissioning program to align with the customized process to facilitate participation among all customer sizes and project scopes.
- Offered a Comprehensive Bonus opportunity to encourage the development of projects with deeper energy savings and demonstrated DSM activities.

3. Deemed Incentives Program

Program Description

The Deemed Incentives Program offers rebates to customers in an easy-to-use mechanism to cost-effectively encourage adoption of mass market efficiency measures through fixed incentives amounts per measure unit.

Strategies Implemented in 2013

- Introduced several new measures that were transitioned from the Calculated Program.
- Offered a Comprehensive Bonus opportunity to encourage the development of projects with deeper energy savings, demonstrating DSM.
4. **Direct Install Program**

**Program Description**

The Commercial Direct Install sub-program delivers free and low-cost EE hardware retrofits through installation contractors to reduce peak demand and energy savings for small and medium commercial customers. The program targets small and medium businesses 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.

**Strategies Implemented in 2013**

- Increased the Direct Install customer demand threshold up to 199kW in order to capture additional business customers.
- Continued implementation of a marketing plan that emphasized a collaborative outreach effort to stimulate greater participation.
- Served customers using a district approach, which allows broad coverage by audit and construction teams in a larger area, increasing program efficiency.
- Evaluated and added new measures to the program, including vertical and horizontal LED cooler lights.
- Partnered with SCE's Energy Leader Partnership Program to leverage the direct install offering to municipally-owned facilities (funded by partnership programs).

5. **Continuous Energy Improvement Program**

**Program Description**

The Commercial Continuous Energy Improvement (CEI) Program is a non-resource sub-program that describes the strategic planning tools and resources which lay the groundwork for long-term integrated energy planning and serve as a launching platform for other utility and non-utility programs and services. Through analysis, benchmarking, long-term goal setting, project implementation support, performance monitoring, and ultimately energy management certification, CEI aims to transform the
market from a "project-to-project" approach to a continuous improvement pathway. In support of the California Long Term Energy Efficiency Strategic Plan (CLTEESP), a CEI approach also sets the stage for non-energy resource integration, such as greenhouse gas reduction, water conservation strategies, and regulatory compliance.

**Strategies Implemented in 2013**

- Assisted eight customers in implementing long-term strategic and holistic energy-management plans that extend beyond the traditional project-oriented approach to EE.
- Increased communication between CEI advisors, account managers, and customers to facilitate customer participation in SCE EE rebate and incentive programs.

6. **Savings By Design Program**

**Program Description**

Savings by Design (SBD) is a statewide program that has provided services and incentives to the nonresidential commercial new construction market since 1999. The program is designed to overcome customer, market, and economic barriers to designing and building high-performance, energy-efficient facilities by promoting integrated design and emphasizing early design involvement by offering building owners and their design teams a wide range of services including education, design assistance, and owner incentives, as well as design team incentives.

**Strategies Implemented in 2013**

- SBD Program interest and participation is very strong within the SCE service territory and continues to grow. In 2013, SBD completed over 150 projects and achieved its annual kilowatt and kilowatt hour energy savings goals.
- Increased Whole Building Approach incentive from a maximum of 30% above code, to a stepped 40% above code, to encourage ZNE projects.
• Increased the End Use Monitoring Incentive from 10% to 20% to encourage savings persistence.

• Discontinued the LEED kicker due to market transformation indications and anticipated free-ridership concerns.

7. **Nonresidential HVAC Program**

   **Upstream HVAC Equipment Incentive**

   **Program Description**

   The Upstream HVAC Equipment Incentive Program offers incentives to distributors who sell qualifying high-efficiency HVAC equipment to increase the regional stocking and promotion of such equipment.

   **Strategies Implemented in 2013**

   • Continued to actively promote the program to build on 2011 distributor and manufacturer participation and engage those who have not yet participated, resulting in the addition of new distributor participants and marked growth in overall program participation.

   • Continued to promote new technologies and/or related equipment categories such as variable refrigerant flow, ductless equipment, evaporatively-cooled condensing units, and water-cooled packaged chillers.

   • Added higher equipment efficiency tiers to many product categories (air-cooled chillers and small unitary air-cooled RTUs) to push the HVAC market to highest efficiency and explored market opportunities to enhance performance tiers for water-cooled equipment.

   • Developed enhanced metrics to benchmark distributor performance relative to their peers and engaged distributors with quarterly performance reports and annual performance summaries resulting in 100% growth in program participation.

   *Go on to the next page*
Commercial Quality Installation

Program Description

The HVAC Commercial Quality Installation Program addresses commercial installation practices to ensure that equipment is installed and commissioned per industry standards.

Strategies Implemented in 2013

- Provided over 250 days of classroom training to CQR contractors in the program and over 1800 hours of on-site coaching to CQR contractors and technicians
- Delivered 3 additional CQR-specific Optimizing Economizer Efficiency Classes to 48 students
- Tested and improved over 350 HVAC systems including 37 kitchen exhaust systems at 62 different locations
- Held three contractor forums (similar to the QM Program)
- Designed and built 12 hands-on economizer trainers
- Provided economizer training at industry conferences like IHACI
- Participated in 90 hours of committee work with groups like Western HVAC Performance Alliance

C. Statewide Industrial Energy Efficiency Program

The Statewide Industrial Energy Efficiency Program partners with industry stakeholders to promote integrated energy management solutions to industrial end-use customers such as printing plants, petroleum refineries, chemical industries, and water and waste water treatment plants. The program is designed to overcome the traditional market barriers to EE, while also advancing distributed generation and demand response opportunities. The four statewide sub-programs described below — Industrial Energy Advisor, Calculated Incentives, Deemed Incentives, and Continuous Energy Improvement — comprise the core product and service offerings for the industrial market. The program also coordinated with SCE's third party
programs, government partnerships, and the statewide Industrial Program team, which aligned program offerings across the IOU service territories. A statewide Industrial Program team has been created and has met regularly to align outreach strategies and offerings across California.

1. **Industrial Energy Advisor Program**

   **Program Description**

   The Industrial Advisor Program includes assessment / benchmarking, basic, integrated, retro-commissioning, and continuous energy improvement audits, which provide an inventory of technical project opportunities and financial analysis information.

   **Strategies Implemented in 2013**

   - Continued development of online audit tools to address small customers.
   - Expanded development of a web-based application / tool to facilitate onsite audits for medium and large customers.
   - Developed a new tool used to screen customers to determine the need for a more in-depth integrated audit. Conducted beta testing of the tool with various account representatives to solicit feedback to meet the needs of customer-facing personnel.
   - Initiated development of an end-to-end audit database to capture the data in an integrated comprehensive tracking system. This database will provide enhanced customer energy need opportunities analysis and improved customer tracking abilities. Project development is scheduled to begin in 2014.
   - Continued to track and report integrated audit efforts through the Joint IOU IDSM Quarterly Summary and Compliance Tracking Report.
2. **Calculated Energy Efficiency Program**

   **Program Description**

   The Industrial Calculated Energy Efficiency Program offers incentives for customized retrofit and retrocommissioning EE projects. The program also provides comprehensive technical and design assistance.

   **Strategies Implemented in 2013**

   - Continued to educate delivery channels on custom program changes to participation requirements due to updated Energy Division dispositions and Industry Standard Practice assumptions, as well as expected 2013 Title 24 changes.
   - Continued to promote SCE’s online application tool and streamline customer application / agreement as part of continuous improvement efforts
   - Continued to focus efforts on streamlining and improving processing times for the Calculated Incentives Program
   - Offered a Comprehensive Bonus opportunity to encourage the development of projects with deeper energy savings and demonstrated DSM activities.
   - Initiated review of targeted measures to modify for inclusion as deemed measures.

3. **Deemed Energy Efficiency Program**

   **Program Description**

   The Industrial Deemed Energy Efficiency Program offers rebates to customers in an easy-to-use mechanism to cost-effectively encourage adoption of mass market efficiency measures through fixed incentive amounts per measure unit.

   **Strategies Implemented in 2013**

   - Launched measures transitioned from the Calculated Incentives Program.
• Offered a Comprehensive Bonus opportunity to encourage the development of projects with deeper energy savings, demonstrating DSM.

4. **Continuous Energy Improvement (CEI) Program**

   **Program Description**

   The Industrial CEI Program is a non-resource sub-program that describes the strategic planning tools and resources which lay the groundwork for long-term integrated energy planning and serve as a launching platform for other utility and non-utility programs and services. Through analysis, benchmarking, long-term goal setting, project implementation support, performance monitoring, and ultimately energy management certification, CEI aims to transform the market from a "project-to-project" approach to a continuous improvement pathway. In support of the Strategic Plan, a CEI approach also sets the stage for non-energy resource integration, such as greenhouse gas reduction, water conservation strategies, and regulatory compliance.

   **Strategies Implemented in 2013**

   • Moved 9 CEI projects from the implementation phase into the evaluation and modification phases. All 9 industrial customers are still in progress within the current cycle of the CEI program. Each participant has indicated that they intend to continue with CEI upon ending their formal CEI engagements with the utility providing the one-on-one consultative services.

   • Conducted "One-2-Five" assessments to identify barriers and address critical elements for successfully implementing an energy management system.

   • Continued to utilize benchmarking tools to provide energy performance comparisons to similar type industries, thus allowing a better understanding of a facility's overall performance and helping set performance improvement targets.

D. **Statewide Agricultural Energy Efficiency Program**

   The 2013-2014 statewide Agriculture Energy Efficiency Program offers strategic energy planning support, technical support (e.g., facility audits, calculation and design assistance), and
financial support through rebates and incentives aimed at providing a DSM solution to help agricultural customers save money and energy. Targeted segments from the agriculture sector may include agricultural growers (crops, fruits, vegetable and nuts), greenhouses, post-harvest processors (ginners, nut hullers, and associated refrigerated warehouses), dairies, water and irrigation districts and/or agencies, and food processing customers.

The Statewide Agriculture Energy Efficiency Program includes five statewide subprograms: Energy Advisor, Calculated Incentives, Deemed Incentives, Continuous Energy Improvement, and Pump Test Services. Each utility also offers local program elements such as third party and local government Partnership programs that complement and enhance these core offerings in their region.

1. **Agricultural Energy Advisor Program**

   **Program Description**

   The Agricultural Energy Advisor Program includes assessment / benchmarking, basic, integrated, retro-commissioning and continuous energy improvement audits, which provide an inventory of technical project opportunities and financial analysis information.

   **Strategies Implemented in 2013**

   - Expanded development of a web-based application / tool to facilitate onsite audits for medium and large customers.
   - Developed a new tool used to screen customers to determine the need for a more in-depth integrated audit. Conducted beta testing of the tool with various account representatives to solicit feedback to meet the needs of customer-facing personnel.
   - Initiated development of an end-to-end audit database to capture the data in an integrated comprehensive tracking system. This database will provide enhanced customer energy need opportunities analysis and improved customer tracking abilities. Project development is scheduled to begin in 2014.
• Continued improvements to integrated onsite auditing and reporting efforts by coordinating with internal Demand Response and CSI/SGIP staff.

• Continues to track and report integrated audit efforts through the Joint IOU IDSM Quarterly Summary and Compliance Tracking Report.

2. **Calculated Energy Efficiency Program**

   **Program Description**

   The Agricultural Calculated Energy Efficiency program provides customized incentives for non-residential energy efficiency retrofit projects involving the installation of high-efficiency equipment or systems. Incentives are paid on energy savings and permanent peak demand reduction above and beyond baseline energy performance, which includes state-mandated codes, federally-mandated codes, industry-accepted performance standards, or other baseline energy performance standards.

   **Strategies Implemented in 2013**

   • Continued to educate delivery channels on custom program changes to participation requirements due to updated Energy Division dispositions and Industry Standard Practice assumptions, as well as expected 2013 Title 24 changes.

   • Offered a Comprehensive Bonus opportunity to encourage the development of projects with deeper energy savings and demonstrated DSM activities.

   • Initiated review of targeted measures to modify for inclusion as deemed measures.

3. **Deemed Energy Efficiency Program**

   **Program Description**

   The Agricultural Deemed Energy Efficiency incentives subprogram provides rebates for the installation of new energy efficiency equipment/measures. Deemed retrofit measures have fixed incentive amounts per measure unit and are intended for projects that have well-defined energy and demand savings. In many cases, projects are identified
through utility energy efficiency audits, customer communications with local SCE representatives, SCE contractors, and/or partnerships with equipment vendors and trade allies. Irrigation equipment and lighting products provided high savings in 2013 in the Agricultural Deemed program.

**Strategies Implemented in 2013**

- Introduced several new measures transitioned from the Calculated program, including Variable Frequency Drives (VFDs) and pump overhauls.
- Offered a Comprehensive Bonus opportunity to encourage the development of projects with deeper energy savings, demonstrating DSM.

4. **Continuous Energy Improvement Program**

**Program Description**

The Agricultural CEI Subprogram is a consultative service which targets long-term and strategic energy planning. CEI is designed to reintroduce the importance of energy management by transforming the market and to help reduce energy intensity through a comprehensive energy management approach. CEI will address technical and management opportunities for agriculture customers while creating sustainable practices through a high-level energy commitment from executive and board-level management.

**Strategies Implemented in 2013**

- Implemented a direct marketing strategy through account representatives by developing collateral material for account representatives to discuss with their customers, and completed a staff training event in March 2013 at SCE's Irwindale Energy Education Center to train account representatives and provide detailed program information and benefits for customer education.
- Developed plans to market the program to the World Ag Expo, which was held in January 2014.
5. **Pump Efficiency Services Program**

**Program Description**

The Pump Efficiency Services Program (PES) is designed to help customers and pump companies make informed decisions about improving inefficient pumping systems through pump tests, targeted education, training and technical support, and renovation and/or replacement incentives.

**Strategies Implemented in 2013**

- Developed and implemented deemed incentives and energy savings values for pumping systems less than 25 horsepower.

- Integrated the PES process and database requirements into the development of the Energy Advisor Program's end-to-end audit database to capture the data in an integrated comprehensive tracking system. This database will provide enhanced customer energy need opportunities analysis and improved customer tracking abilities. Project development is scheduled to begin in 2014.

- Continued pilot pump testing of industrial pumping systems.

- Completed a study conducted by the Irrigation Training and Resource Center (California Polytechnic State University, San Luis Obispo) to investigate the potential for operating plant efficiency industry/application baselines.

- Held various marketing and outreach events to educate customers on the value of operating efficient pumping systems.

E. **Statewide Lighting Program**

The 2013-2014 Statewide Lighting Program encompasses the 2010-2012 residential lighting programs including the Primary Lighting subprogram (formerly the Upstream Residential Lighting Incentive Program for Basic CFLs, and the upstream component of the Advanced Lighting Program), the Lighting Market Transformation subprogram, and the new Lighting Innovation subprogram (both of which may address residential and non-residential measures and channels).
The Statewide Lighting Program facilitates market adoption and transformation for advanced lighting products through a number of activities including: (1) assessment of pre-commercialized lighting technologies, (2) demonstration projects and trial studies for advanced lighting technologies in the early stages of commercialization, and (3) incentives for lighting measures that have reached a suitable level of commercialization.

Following are descriptions of the three Lighting subprograms and the successful strategies employed in 2013:

1. **Primary Lighting Program**

**Program Description**

This subprogram offers upstream rebates to reduce the cost of energy-efficient lighting products. It introduces new energy-efficient lighting products and strives to influence the future purchasing and installation behaviors of residential customers. An array of product types, models, and technologies are offered, including specialty CFLs and light-emitting diodes (LED).

**Strategies Implemented in 2013**

A prevailing strategy for 2013 was to transition the LED products within the program from ENERGY STAR specification grade products to California Quality LED Specification grade products. This was accomplished by requiring products to be of substantially higher color quality than the minimum requirement, and adding products compliant to the California specification as they become available. With the advent of relatively low cost-efficient LEDs for the utility, the program employed the strategy of balancing the measure mix between LED and CFL measures to achieve targets while aggressively promoting LEDs.
2. **Lighting Innovation**

**Program Description**

The Lighting Innovation subprogram evaluates products or program approaches new to the market which have potential to eventually enter the Primary Lighting Program or Commercial, Industrial, and Agricultural Programs. Trials and studies are administered to determine recommendations for inclusion in such programs. Showcases and field placement projects are conducted when applicable.

**Strategies Implemented in 2013**

- Began trial studies showcases, and demonstration projects to test the viability of new products and program approaches:
  - Midstream Trial Program and Study examined the viability of incentives available to customers for LED products through electrical wholesale distribution channels.
  - SCE’s Web Trial Program explored the viability of incentive offerings to residential customers for LED lamps through internet retail channels.
  - Sustainable Office Lighting Trial and Program Study collects quantifiable project data from lighting control installations from CALCTP certified and non-CALCTP certified contractors to support CPUC directives.
- Focused on assessments of the midstream delivery channel and quality installations for lighting controls:
  - The Lighting Innovation Midstream Trial Evaluation Study examined the feasibility and effectiveness of midstream incentive offerings, while comparing midstream and downstream programs.
  - Tracked and measured projects based on Measurement and Evaluation guidelines:
    - SCE administered customer surveys on purchase and usage behavior for CFL and LED bulbs in both online and offline contexts.
Continued to develop the CALCTP Training Assessment to support the Sustainable Office Lighting Trial and Program Study.

3. **Lighting Market Transformation**

**Program Description**

The Lighting Market Transformation subprogram encompasses a statewide program strategy that coordinates IOU efforts to further efficient lighting technology and best practices in California. It entails development of innovative data-driven program strategies to adapt utility lighting programs to the ever-changing energy and lighting markets in support of the Strategic Plan. The program tracks, coordinates, and provides collaboration opportunities for utility, government, and industry lighting market transformation activities. The program oversees the progression of lighting solutions across utility programs, such as Emerging Technologies, Lighting Innovation, Primary Lighting, and Codes and Standards, as well as Commercial, Industrial, and Agricultural incentive program lighting measures. The program is particularly instrumental in the development of Lighting Innovation Program concepts, trials, and demonstrations. Lighting Market Transformation helps ensure efficient progression of lighting solutions into and out of customer energy efficiency programs.

**Strategies Implemented in 2013**

- Coordinate and track lighting activities across California utilities and national energy efficiency partners.
- Convene partners to collaborate on these activities.
- Assess market opportunities for utility programs, with a direction towards updating existing pipeline plans to address these opportunities.
- Support development of Lighting Innovation Program Trials, such as Midstream and advanced lighting controls trials.

More details regarding the Statewide Lighting Program efforts will be provided in the June Lighting Market Transformation Annual Report.
F. Statewide Finance Programs

1. On-Bill Finance

Program Description

The Financial Solutions Program is designed to provide customers additional options for financing EE projects. The program is offered in conjunction with other core SCE programs to stimulate and enable higher levels of customer participation.

The Nonresidential On-Bill Financing (OBF) Program offers zero-interest financing for the installation of qualifying energy-efficient lighting, refrigeration, and air conditioning measures. Loans are available to qualifying nonresidential customers, including commercial, industrial, government, and institutional customers, and are repaid through the customer's electric bill. This non-resource program supports the Strategic Plan's commercial sector goals and strategies and builds upon the experience of SCE's 2006-2008 pilot program, which provided incentives and loans for the direct installation of EE measures for small commercial customers (convenience and small grocery stores). OBF is offered through other SCE programs, including statewide, third party, and local government partnership offerings. The Financial Services Working Group is a statewide effort to assess future options for Financing, as well as addressing other financing issues to help transform the market in California.

Strategies Implemented in 2013

Four Key Policy Changes were implemented during 2013 with the goal of improving customer satisfaction.

- Revocation of the policy requiring the declination of projects not fully financeable by the OBF Loan. Effective Q2-2013, projects may be funded up to the maximum allowable term, even if the loan does not cover the entire financeable amount.
• Revocation of the policy placing a 10% cap for Customer Authorized Agent (CAA) participation. The total loan budget for the 2013-14 OBF program was $43.7 M. The cap would limit CAA participation to 10% (or $4.73 M). The 10% cap was removed for CAA’s but still remains in place for participating customers. This Policy change became effective Q2-2013.

• OBF Applications who are also eligible for the Comprehensive Bonus may participate in the OBF Program. The total OBF Loan is reduced by the amount of the comprehensive bonus amount. This policy change became effective Q2-2013.

• Loan amounts approved when the project is submitted are now honored even if energy savings is reduced at the time the project is installed. The policy change applies to Deemed measures only. (Deemed measures must be eligible for an incentive). This policy change became effective Q2-2013.

SCE also actively participated in ongoing statewide team activities to assess, improve, and streamline the On-Bill Financing Program during 2013. In alignment with CPUC guidance, the IOUs also coordinated in 2013 on the development of consistent OBF policies to more closely align OBF programs. This effort will continue into 2014.

In addition, the OBF Program complied with CPUC Decision 13-04-044 which ordered IOUs to modify their On-Bill Financing (OBF) programs so Basic lighting will be limited to no more than 20% of project cost, and identify new, emerging lighting equipment which may be excluded from the 20% calculation. This policy became effective in Q4-2013.

Below is a summary of 2013 OBF Program Performance.

### 2013 Program Performance (Loans Funded)

<table>
<thead>
<tr>
<th>Program Cycle</th>
<th># of Loans</th>
<th>Loan Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2012</td>
<td>292</td>
<td>$8,986,823.34</td>
</tr>
<tr>
<td>2013-2014</td>
<td>37</td>
<td>$825,728.63</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>329</strong></td>
<td><strong>$9,812,551.97</strong></td>
</tr>
</tbody>
</table>
2. **Financial Solutions**

**Program Description**

The Financial Solutions Program is designed to provide customers additional options for financing EE projects. The program is offered in conjunction with other core SCE programs to stimulate and enable higher levels of customer participation.

The Nonresidential On-Bill Financing (OBF) Program offers zero-interest financing for the installation of qualifying energy-efficient lighting, refrigeration, and air conditioning measures. Loans are available to qualifying nonresidential customers, including commercial, industrial, government, and institutional customers, and are repaid through the customer's electric bill. This non-resource program supports the Strategic Plan's commercial sector goals and strategies and builds upon the experience of SCE's 2006-2008 pilot program, which provided incentives and loans for the direct installation of EE measures for small commercial customers (convenience and small grocery stores). OBF is offered through other SCE programs, including statewide, third party, and local government partnership offerings.

The Financial Services Working Group is a statewide effort to assess future options for financing, as well as addressing other financing issues to help transform the market in California.

**Strategies Implemented in 2013**

- Due to high demand for the program, the Commission authorized SCE to increase the OBF budget by $16 million in March 2012 for commercial, industrial, and non-partner government and institutional customers, and authorized SCE to shift unspent, uncommitted local government partnership funds to the OBF Program to fund loans for local government partners as needed for the remainder of 2012.

- SCE funded a total of 96 OBF projects, representing $4.7 million in loans during 2012.
SCE actively participated in ongoing statewide team activities to assess, improve, and streamline the On-Bill Financing Program during 2012. In addition, pursuant to CPUC direction in May 2012, the IOUs jointly hired a consulting team to provide expertise on the next steps for utility finance programs, including recommendations for the new finance pilots ordered by the CPUC for implementation in 2013-2014. In alignment with CPUC guidance, the IOUs also coordinated in 2012 on the development of consistent OBF policies to more closely align OBF programs. This effort will continue into 2013.

3. **ARRA-Originated Financing**

**Program Description**

The ARRA originated Programs utilize ratepayer support to continue successful ARRA-funded programs. These programs were designed to encourage the implementation of comprehensive energy efficiency retrofits by providing access to affordable financing options. SoCalGas is the lead IOU in conjunction with Southern California Edison and Pacific Gas and Electric for the following two ARRA continuation finance programs:

**emPowerSBC.** emPowerSBC is a comprehensive single-family residential financing program administered by the County of Santa Barbara and is a joint co-funding effort between PG&E, SCE, and SoCalGas. The program receives funding for various activities including marketing and workforce training. Additionally, there is a credit enhancement budget of up to one million dollars for a loan loss reserve (LLR). emPowerSBC provides unsecured loans for homeowners to implement home energy upgrades resulting in lower energy usage, reduced utility costs, and increased indoor comfort. The program leverages ARRA and ratepayer funding to create a public/private partnership between the County, all eight incorporated cities within the County, the Energy Upgrade California (EUC) program, and two competitively selected local credit unions. The emPowerSBC program is expected to expand geographically into Ventura County and San Luis Obispo County in 2014.
Los Angeles Commercial Building Performance Partnership (LACBPP). The LACBPP program, administered by the City of Los Angeles, was designed to promote deeper investment in energy efficiency, water efficiency and on-site renewable in commercial buildings by offering a range of services and resources, including educational campaigns, no-cost energy audits, and creation of directories of qualified contractors and capital providers in the City of Los Angeles. In addition, LACBPP introduces Property Assessed Clean Energy (PACE) financing and other project funding options to help move audited projects into implementations. SoCalGas provides continuation funding for activities such as program administration and marketing.

Strategies Implemented in 2013

Program Successes:

During 2013, LACBPP and emPowerSBC continued to engage various stakeholders, including customers and contractors, to promote participation in each program. Both programs maintained momentum throughout 2013 with a goal to increase uptake in program participants leveraging financing as a means for investment in energy efficiency improvements. For example, LABBC closed 2 PACE transactions totaling $7.2 million in financing, and the emPowerSBC program closed 16 loans for a total of $252,000.

Program Implementation Barriers or Problems Encountered:

emPowerSBC

- Santa Barbara County has experienced a delay in executing agreements with Ventura County and San Luis Obispo. However, the County is on track to complete both agreements early 2014.

LACBPP

- There were no barriers or problems encountered.

Program Changes Made in 2013:

There were no program design changes to the ARRA Originated Programs in 2013. However, in 2013 the ARRA Originated Programs were reclassified by the
California Public Utilities Commission as resource programs. The Commission has indicated more information is necessary to support a workpaper that can address energy savings related to Financing Programs, so SoCalGas does not have energy savings to report for 2013 at this time. The Commission indicated that actual energy savings will be determined through its Evaluation, Measurement and Verification (EM&V) group ex-post studies.

**Program Objectives Met:**

As noted above, the Commission requires additional information for the development and approval of a workpaper for energy savings. Therefore, the ARRA Originated Programs did not report energy savings for 2013. Additionally, the ARRA Originated Programs are pilots and have not yet established program performance metrics.

**4. New Finance Offerings**

**Program Description**

The IOUs are developing a series of statewide financing pilot programs that offer scalable and leveraged financing products and test market incentives for attracting private capital through investment of ratepayer funds, per the Decision Implementing 2013-2014 Energy Efficiency Financing Pilot Programs (D. 13-09-044). The pilots include the following on-bill repayment (OBR) programs:

1) Small Business OBR Loan Program
2) Small Business OBR Lease Program
3) Non Residential OBR without Credit Enhancements (CE) Program
4) Master-Metered Multifamily OBR Program
5) Residential EE Finance Line Item Charge (EEFLIC) program

These pilots are intended to test whether payment on the utility bill increases debt service performance across market sectors, as directed in D. 13-09-044.
The pilots also include two off-bill programs:

1) Single Family Loan Program
2) Off-Bill Small Business Lease Providers Program

The pilots will include various forms of credit enhancements (CEs) for residential properties and small businesses. The CEs are expected to provide additional security to third-party lenders and private capital so they can extend or improve credit terms for EE projects.

The finance pilots were expected to launch in 2013. However, the pilots have been delayed pending approval of the California Alternative Energy and Advanced Transportation Financing Authority (CAEATFA) request for state legislative budget authority to act as the California Hub for Energy Efficiency Financing.

**Strategies Implemented in 2013**

N/A.

**G. Statewide Residential HVAC Program**

SCE's Statewide Residential HVAC Program delivers a comprehensive set of downstream, midstream, and upstream strategies that build on existing program, education, and marketing efforts and leverage relationships within the HVAC industry to transform the market towards a sustainable, quality-driven market. Market transformation and direct energy savings and demand reductions are achieved through a series of six sub-programs that make up the comprehensive program approach.
1. **Residential HVAC Quality Installation**

   **Program Description**

   The Residential Energy Star Quality Installation HVAC Program addresses residential installation practices to ensure that equipment is installed and commissioned per industry standards.

   **Strategies Implemented in 2013**

   - Revisions were made to the Terms and Conditions Document to allow the customer to fill in the payment mailing address. This was implemented to reduce the rate of incentive payments being returned back to SCE.

   - The payment (job completion) submittal process was reviewed by Vendor and SCE staff to reduce the amount of printed pages submitted for each unit incentivized. The new process cut two-thirds of the printed documentation being submitted as well as half the processing time.

   - ACCA 9 inspection standards have been fully implemented. These new standards allow the top contractors to move to a 3% inspection tier. Contractors who have proven to consistently provide error-free data and inspection results have been moved to this 3% tier. These contractors are the biggest producers and contribute about 80% of the total production for the year. A result of this change, we have dramatically reduced the inspection cost to the program and eased the burden on SCE customers and quality installation contractors.

   - All unit inspections are conducted with the contractor present. This allows the program staff to identify issues and the contractor to make corrections needed while on-site. This process is an excellent training opportunity for technicians who may encounter difficulties. However, our contractors are encouraged to contact us at any time to set up site visits or answer questions. Customers benefit by not requiring a second inspection to verify that the corrections were made.
While performing site inspections, Vendor inspectors perform calibration checks on the technicians' equipment, which helps to ensure accuracy and provides an extra service to our contractors.

2. **Residential Quality Maintenance and Commercial Quality Maintenance Program**

   **Program Description**

   The HVAC Quality Maintenance Program addresses both residential and commercial maintenance practices to ensure that equipment is serviced per industry standards and that the maintenance effort supports the long-term strategic goal of transforming the trade from commodity-based to quality-based.

   **Strategies Implemented in 2013 — Residential Quality Maintenance:**

   - Provided measures for system assessment, system optimization, and one-year preventive maintenance agreements modeled after ACCA 4, system air flow improvements, and Brushless Fan Motor installation.
   - Conducted multiple training sessions on Advanced Diagnostics to ensure that participating contractors and technicians have the skills necessary to assess, maintain, and optimize systems per industry standards.
   - Supported contractors with marketing materials and outreach efforts to educate customers about the value of quality maintenance and of utilizing certified technicians.
   - Established a committee of the Western HVAC Performance Alliance to develop the specific tasking required of ANSI/ASHRAE/ACCA Standard 180.
   - Conducted a technician task analysis to understand how Standard 180 could be deployed effectively in the field.
   - Held multiple contractor forums to solicit direct input into program design.
• Held multiple customer focus groups to better understand the market barriers to quality maintenance.

**Strategies Implemented in 2013 — Commercial Quality Maintenance:**

• Continued working in collaboration with committees of the Western HVAC Performance Alliance to continuously improve program productivity and lower costs.

• Held multiple contractor forums to solicit direct input into program design improvements and to better understand barriers to quality maintenance found by customers and contractors.

• Reviewed and streamlined all Program forms to improve contractor experience and administrative efficiencies.

• Continued to update MPS's Program implementation features to assist in timely and tracked incentive processing.

• Actively engaged in the M&V process and implemented recommended changes to address technician training needs.

• Continued measure development in the commercial program, including advanced economizer controls and program-to-program interaction with Commercial Quality Installation / Quality Maintenance (QI/QM) development.

• Increased the profile of the commercial and residential programs through participation in conferences and Industry Summits.

• Launched an enhanced question bank into the Maintenance Planning System, to increase productivity by reducing the number of entry requirements.

• Participated in monthly Western HVAC Performance Alliance committee meetings, discussing the operationalization of ANSI/ASHRAE/ACCA Standard 180.
H. Statewide Codes & Standards Program

The Statewide Codes and Standards (C&S) Program saves energy on behalf of ratepayers by (1) influencing standards- and code-setting bodies (such as the California Energy Commission) to strengthen energy efficiency regulations, (2) improving compliance with existing codes and standards, (3) assisting local governments to develop ordinances that exceed statewide minimum requirements, and (4) coordinating with other programs and entities to support the state's ambitious policy goals. The C&S Program aggressively supports the goals of the Strategic Plan, which highlights the role of C&S in meeting the objectives of Assembly Bill (AB) 32 (Stats 2006, Ch. 488).

The C&S Program consists of five subprograms: Building Codes Advocacy, Appliance Standards Advocacy, Compliance Improvement, Reach Codes, and Planning and Coordination.

Coordination of internal and external C&S work is conducted as part of ongoing work. For example, development of Codes and Standards Enhancement (CASE) studies and USDOE letters entail research, analysis, and coordination that encompass potentially any internal IOU program or activity and collaboration with numerous state and national entities. Likewise, compliance improvement and reach code activities are coordinated internally and externally around specific initiatives. Coordination between IOUs is through quarterly meetings and various weekly calls. C&S IOU staff share information with other internal groups to support collaboration and assist with integrated portfolio planning.

1. Building Codes Advocacy Subprogram

Program Description

The Building Codes Advocacy subprogram primarily targets improvements to Title 24 Building Efficiency Regulations that are periodically updated by the CEC. The subprogram also seeks changes to national building codes that impact California building codes. Advocacy activities include, but are not limited to, development of code enhancement proposals and participation in public rulemaking processes. The program
may coordinate with or intervene in ratings organizations that are referenced in Title 24 (such as the National Fenestration Rating Council and the Cool Roof Rating Council).

**Strategies Implemented in 2013**

- Supported post-adoption prerequisites to improve future implementation of 2013 Title 24 building energy and Calgreen standards. Activities included improvements to the Performance Method software, development of a software training program, and edits to the CEC Residential and Nonresidential Title 24 Compliance Manual.

- Began preparations for the 2016 code cycle and expected CEC proceedings. Activities included developing, coordinating, and providing management support for Emerging Technologies projects that are collecting energy savings, cost-effectiveness, and feasibility information for the top 4 residential measures planned for the 2016 standards. These measures are critical for achieving Zero Net Energy-ready homes by 2020. Also, worked closely with the CEC staff to identify and prioritize energy efficiency measures for the 2016 T-24 standards development.

- Conducted efforts to harmonize state and national building codes. Activities included a major rewrite of ASHRAE Standard 189.1 (Standard for the Design of High Performance Green Buildings) to allow a "dual path" approach, where one path may allow above-federal minimum equipment efficiencies without violating federal preemption law. This standard has also adopted bi-level parking lot lighting controls similar to those in the 2013 Title 24. ASHRAE Standard 90.1 (Energy Standard for Buildings Except Low-Rise Residential Buildings). The C&S team has been working with the national energy code development process to assure that daylighting code requirements are aligned between the two standards. In conjunction with PNNL, the C&S team is involved with the process to require card key controls of lighting HVAC and ventilation of hotel/motel guest rooms.
2. **Appliance Standards Advocacy Subprogram**

**Program Description**

The Appliance Standards Advocacy subprogram targets both state and federal standards and test methods: improvements to Title 20 Appliance Efficiency Regulations by the CEC, and improvements to Federal appliance regulations and specifications by the USDOE, EPA ENERGY STAR, and the Federal Trade Commission. Advocacy activities include developing Title 20 code enhancement proposals, participating in the CEC public rulemaking process, submitting comment letters based on IOU research and analysis in federal standards proceedings, and participating in direct negotiations with industry. Additionally, the program monitors state and federal legislation and intervenes, as appropriate.

**Strategies Implemented in 2013**

- Advocated changes to Title 20 Appliance Efficiency Regulations. Activities included the following:
  - Participated in several CEC webinars and workshops on "Phase 1" topics rulemaking.
  - Developed and submitted response to CEC's Invitation to Participant data request for 18 products including: consumer electronics, lighting and water products, commercial clothes dryers, air filter labeling, spas and pool pumps, motors and heaters.
  - Completed laboratory testing for several topics, with results submitted as part of CASE studies, and pursued additional testing for further support of the rulemaking.
  - Developed and submitted 15 Title 20 CASE studies to CEC.
  - Facilitated industry and advocate stakeholder meetings for all topics.
- Advocated changes to federal appliance standards. Activities included the following:
- Researched and responded to specific issues related to federal rulemaking and specification processes conducted by USDOE, EPA ENERGY STAR, and FTC.

- Participated in several stakeholder meetings during rulemakings and specifications process.

- Participated in USDOE's Appliance Standards and Rulemaking Federal Advisory Committee (ASRAC) working groups with USDOE, industry, and other stakeholders.

- Submitted 37 comment letters to USDOE, EPA, and FTC covering a wide range of topics and issues. Table 1 below shows a breakdown by agency, end-use, and type.

**Table 1. IOU Federal Comment Letters - 2013 Summary**

<table>
<thead>
<tr>
<th>Agency</th>
<th>End-Use category</th>
<th>ENERGY STAR spec</th>
<th>Labeling Requirement</th>
<th>Standard</th>
<th>Test Procedure</th>
<th>Grand Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOE (subtotal)</td>
<td>Commercial Refrigeration</td>
<td>4</td>
<td>21</td>
<td>4</td>
<td>7</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>Cooking</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electronics</td>
<td>2</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HVAC</td>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lighting</td>
<td>5</td>
<td></td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other Uses / Miscellaneous</td>
<td>5</td>
<td></td>
<td>1</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Residential Appliances</td>
<td>2</td>
<td></td>
<td>5</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>EPA (subtotal)</td>
<td>Commercial Refrigeration</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Electronics</td>
<td>2</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Residential Appliances</td>
<td>5</td>
<td></td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>FTC (subtotal)</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Grand Total</td>
<td>Commercial Refrigeration</td>
<td>2</td>
<td>21</td>
<td>4</td>
<td></td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>Cooking</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electronics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HVAC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lighting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other Uses / Miscellaneous</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Residential Appliances</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. **Compliance Improvement Subprogram**

**Program Description**

The Compliance Improvement subprogram supports compliance improvement with both Title 24 building codes and Title 20 appliance standards. Compliance improvement activities complement advocacy work by maximizing verified savings from codes and standards that are realized and persist over time. The Compliance
Improvement subprogram targets market actors throughout the entire compliance chain, providing education, outreach, and technical support and resources to improve compliance with both building and appliance energy standards. Achieving satisfactory compliance with the codes is a crucial requirement for capturing code-related energy savings for the long-term benefit of society. Broad compliance is necessary to level the playing field for well-intentioned suppliers and contractors who are otherwise faced with a competitive disadvantage when complying with regulations. Greater compliance strengthens voluntary program baselines and provides a solid foundation for future robust advocacy efforts.

**Strategies Implemented in 2013**

- Expanded training modalities to increase the depth and breadth and audience reach of educational offerings. Activities included:
  - Decoding Talks: Conducted monthly 90-minute online discussions on specific topics for building department personnel and contractors.
  - On-line Learning Portal: Provided building industry practitioners with prescribed paths leading to training and tools.
  - Virtual Classes: Provided instructor-led, interactive, web-based classes eliminating travel time and expenses.
- Developed tools to aid compliance improvement practitioners in implementing the code. New tools include:
  - Forms Ace: Aids in determining which compliance forms are applicable to a specific project
  - Installation Ace: A "field guide" to assist in identifying proper installation techniques and visual aids for some components commonly installed incorrectly.
  - Reference Ace: Helps users navigate the Standards using keyword search capabilities, hyperlinked tables, and related sections
• Crack the Code Workshops: Workshop packages to help building departments facilitate trainings for local installation contractors.

• Launched an outreach campaign to increase consumer and building industry awareness of code requirements and of the new EnergyCodeAce website designed to serve as a one-stop shop for compliance tools, resources, and learning portal access.

• Created a host of resources, including:
  • Trigger Sheets: Measure-based documents that identify and define the code requirements that are triggered when a change is made to a building.
  • Fact Sheets: Documents that define the essential requirements, considerations, and required forms for specific energy code measures.
  • Checklists: Documents that provide step-by-step guidance for plans checks and field inspections.

4. **Reach Codes Subprogram**

   **Program Description**

   The Reach Codes subprogram provides technical support to local governments that wish to adopt ordinances that exceed statewide Title 24 minimum energy efficiency requirements for new buildings, additions, or alterations. Support for local governments includes research and analysis for establishing performance levels and cost-effectiveness relative to Title 24 by Climate Zone, drafting model ordinance templates for regional consistency, and assistance with completing and expediting the application process required for approval by the CEC. The subprogram also supports local governments that seek to establish residential or commercial energy conservation ordinances for existing buildings.

   **Strategies Implemented in 2013**

• Commenced efforts to support documenting reach code savings that may be counted towards local governments' climate action plan goals. Activities included
initiating the development of a secure cloud-hosted system that would allow participating Reach Code jurisdictions to import data from the Performance Certificate of Compliance (PERF-1C) XML files generated by one of the compliance software applications approved by the CEC into a centralized database. This database will allow the IOUs to report aggregated and detailed modeled energy savings and electric demand and GHG reductions. It will also allow the various jurisdictions access to their own aggregated savings and reduction data.

- Initiated preparation of Cost-Effectiveness Studies to support the adoption of Cool Roof Reach Code ordinances by the City of Los Angeles, City of Pasadena, and County of Los Angeles. The Studies will address product cost, energy savings, cost-effectiveness, and greenhouse gas reductions (GHG) to support reach code requirements for residential and nonresidential Cool Roofs in Climate Zones 6, 8, and 9.

5. **Planning and Coordination Subprogram**

**Program Description**

The Planning and Coordination subprogram works with the CEC, CPUC, Emerging Technologies, Workforce Education and Training (WE&T), rebate programs, and other voluntary programs to conduct strategic planning in support of the Strategic Plan policy goals, including Zero Net Energy (ZNE) goals for new construction. As part of expanded outreach and communications efforts, the C&S Program maintains a codes and standards collaborative and continues to facilitate the Compliance Improvement Advisory Group (CIAG). In addition, the C&S Program maintains regular contact with state and federal code-setting agencies to minimize duplication of efforts and coordinate activities.

**Strategies Implemented in 2013**

- Conducted tactical planning in support of the CPUC's residential ZNE policy goal. Activities included development of a draft plan, review by CPUC and CEC staff, and revisions to the draft plan based on these inputs.
• Developed a standing statewide cross-functional conference call to improve coordination communication with other groups within the IOU energy efficiency portfolio.

• Collaborated with WE&T on training calendar offerings for the building industry community and training for community colleges on 2013 Title 24 code requirements.

I. Statewide Emerging Technologies Program

Program Description

The statewide Emerging Technologies Program (ETP) supports the CA IOU energy efficiency programs in their achievements of aggressive objectives through three subprograms:

• The Technology Assessment subprogram supports the CA IOU energy efficiency programs by identifying and assessing the performance of emerging EE technologies and solutions that may be offered to customers with an incentive.

• The Technology Development Support subprogram supports efforts to increase technology supply by educating technology developers on technical and programmatic requirements for rebated measures.

• The Technology Introduction subprogram supports efforts to introduce technologies to the market by exposing end-users to applications of emerging technologies in real-world settings, and by using third party projects to deploy technologies on a limited scale in the market.

ETP uses a number of tactics to achieve the objectives of its three subprograms. Some of the key tactics are described below, but each tactic may be used to achieve any of the subprogram objectives, and this list is not comprehensive.
1. **Technology Assessments Subprogram**

**Program Description**

Through the Technology Assessment (TA) element of ETP, energy-efficient measures that are new to the market (or underutilized for a given application) are evaluated for performance claims and overall effectiveness in reducing energy consumption and peak demand. A key objective of these assessments is the adoption of new measures into SCE's portfolio. Historically, a technology assessment is core to ETP and provides critical support to EE programs. ET assessments may use data and information from different sources to support assessment findings, including *in situ* testing (customer or other field sites), laboratory testing, or paper studies. In addition to other findings and/or information, assessments typically generate the data necessary for EE rebate programs to construct a work paper for each measure estimating energy and demand savings over the life of the measure.

**Strategies Implemented in 2013**

- Continued to collaborate with IOUs and non-IOU partners and scan a wide variety of sources to identify suitable assessment candidates.
- Used the statewide database to report project activities on a quarterly basis.
- Actively engaged the EE Program and other program stakeholders:
  - Transferred acquired knowledge to engineering and design communities.
  - Transferred assessment results to EE programs via SCE’s Idea Management Team (IMT) for adoption as EE measures.
- Provided information to internal stakeholders from assessments that can help IOUs' IDSM resource acquisition programs as they develop new measures or revise and/or integrate existing measures.
- Used a screening and scoring system to identify the most appropriate TA candidates.
- Produced reports describing TA results, conclusions, and recommendations.
Coordinated assessments and shared technology information through the quarterly meetings of the Emerging Technologies Coordinating Council (ETCC).

Held the ETCC Open Forum, where developers of new technologies have an opportunity to highlight their products to ETP.

Successfully identified technologies with verified savings and benefits to the CA IOU programs.

2. Technology Development Support Subprogram

Program Description

The Technology Development Support (TDS) subprogram provides assistance to private industry in the development or improvement of technologies. Although product development — the process of taking an early-stage technology, or concept, and transforming it into a saleable product — is the domain of private industry, there are opportunities where IOUs are well qualified (or in a strong position) to undertake targeted, cost-effective activities that provide value in support of private industry product development efforts. This support decreases innovator uncertainties and allows the ETP to have input. ETP looks for targeted opportunities to support EE product development and uses several activities to support technology developers through TRIO (Technology Resource Incubator Outreach) roundtables and symposia. TRIO provides support and networking for EE and DR entrepreneurs, investors, and universities with the goal of providing participants the necessary perspective and tools to work with IOUs and ultimately introduce new EE measures to the marketplace.

- TRIO symposia are intended to educate technology developers on the requirements that IOUs must apply in considering new technologies for inclusion in IOU programs.

- TRIO roundtables are targeted to a smaller audience and have focused on cost-effectiveness, energy management systems, and ET assessments.
Market and behavioral studies investigate customer needs in targeted sectors to estimate customer reaction to new technologies and solutions. The key activity in which ETP engages is in communication and collaboration with industry. These activities are often conducted on an *ad hoc* basis, as windows of opportunity arise.

**Strategies Implemented in 2013**

- Stayed abreast of statewide lighting and HVAC initiatives.
- Collaborated with industry directly and through partners, such as the Western Cooling Efficiency Center (WCEC) and the California Lighting Technology Center (CLTC), to provide targeted support for technology development.
- Collaborated and educated innovators from universities and other research institutions.
- Collaborated with the Emerging Technologies Coordinating Council (ETCC) and IOUs on various activities.
- Continued on-going business relationships with investors who were interested in funding cost-effective EE measures.
- Provided symposium on "how to do business with utilities." This workshop helped to educate the investor and technology communities on the requirements for doing business with utilities.
- Issued a new competitive Request for Proposals to encourage innovative technologies or approaches to be implemented as a new third party program.

3. **Technology Introduction Support Subprogram**

   **Program Description**

   The Technology Introduction Support (TIS) subprogram supports the introduction of new technologies to the market, on a limited scale, through several activities.

   - Scaled Field Placements (SFP) projects consist of placing a measure at a number of customer sites as a key step toward gaining market traction and feedback. Typically, these measures have already undergone an assessment or similar
evaluation to reduce risk of failure. Monitoring activities on each scaled field placement will be determined as appropriate.

- Demonstration and Showcase (DS) projects are designed to provide key stakeholders the opportunity to "kick the tires" on proven combinations of measures that advance ZNE goals. DS introduces measures at a systems level to stakeholders, whether they are the general public or a targeted audience, in real-world settings, thus creating broad public and technical community exposure and increased market knowledge of these potentially large-scale projects. Key attributes of a DS project are that it is open to stakeholders and highlights a systems approach rather than an individual approach.

- Market and behavioral studies are designed to perform targeted research on customer behavior, decision making, and market behavior to gain a qualitative and quantitative understanding of customer perceptions, customer acceptance of new measures, and market readiness and potential for new measures.

- TRIP (Technology Resource Innovation Program) solicits third party projects (of up to $300,000) to deploy emerging technologies on a limited scale to the market.

**Strategies Implemented in 2013**

- Scanned, screened, and prioritized a wide variety of sources and coordinated closely with EE Programs for measures suitable for SFP and DS projects.

- Developed communication plan to promote project exposure, stakeholder awareness, and public information dissemination.

- Launched SFP and DS efforts.

- Demonstrated the technologies in actual field conditions.

- Performed primary or secondary research, as necessary, to gain market insight.

- Coordinated with the statewide ETCC stakeholders.

- Solicited third party programs and awarded funds to introduce emerging technologies to the market.
J. Statewide Workforce Education & Training Program

The Statewide IOU Workforce Education and Training (WE&T) Program represents a portfolio of education, training, and workforce development planning and implementation funded by or coordinated with the IOUs. The program includes three subprograms: WE&T Centergies, WE&T Connections, and WE&T Strategic Planning and Implementation.

In 2013, the Workforce Education & Training program met all of its Centergies and Connections K-12 and 4-year university goals. The community college program enrolled one campus\(^2\). Further, WE&T Planning hired and worked with a consultant to develop a comprehensive approach to workforce education, and training for SCE's EE programs.

1. WE&T Centergies Subprogram

Program Description

This subprogram is organized around market sectors and cross-cutting segments to facilitate IDSM workforce education and training. Energy Centers represent the largest component of this sub-program. Included in this program are educational workshops and seminars, tool loans, equipment demonstrations, consultations, and community outreach events. These activities allow potential green workforce candidates to explore EE, IDSM technologies, and resource management techniques.

In 2013, the Energy Education Center Irwindale (formerly CTAC) and the Energy Education Center Tulare (formerly AgTAC) exceeded their filed goals while making strategic program improvements to better align with the CPUC Long Term Energy Efficiency Strategic Plan and pending Program Performance Metrics. The Centers

---

\(^2\) The program kicked off in April. The 4-month hiatus between January and April, prompted by vendor contractual matters, resulted in the three 2012 participating colleges dropping out of the program.
continued to evaluate and implement programs to align with the Needs Assessment described in the Strategic Planning and Implementation Subprogram section below. This realignment includes collaborating with partners in the DSM programs area.

**Strategies Implemented in 2013**

**The Energy Education Centers:**

- Hosted 393 EE seminars with the attendance of over 10,685 people.

- Continued a partnership with the Institute of Heating and Air Conditioning Industries (IHACI) to deliver a series of courses designed to teach participants the comprehensive skill sets required to understand and evaluate whole HVAC systems. These skill sets train contractors to install and service HVAC systems that are safe, reliable, and operate at the highest capacity and EE possible. A total of 69 IHACI classes were attended by 4,574 customers.

- In conjunction with IHACI, co-sponsored a series of seminars designed to help participants prepare for successfully completing the NATE Certification Exam. For the convenience of working professionals, these classes were offered on weekday evenings followed by opportunities to complete the exam on a Saturday.

- In conjunction with the HVAC EE resource programs, successfully launched the Advanced Digital Economizer (ADEC) hands-on training certification, sponsored by HVACRedu.net. This targets qualified HVACR technicians to complete hands-on training for the programming, evaluation, and repair of Bellimo and Jade digital economizers. In 2013, 13 HVACR technicians successfully completed this advanced hands-on training program.

- Continued offering the Lighting Academy in 2013. Lighting Academy classes are designed to provide an overview of the latest technologies and most energy-efficient designs in the lighting industry today. Classes are conducted by nationally recognized experts in lighting design, illuminating engineering, lighting research, and educational awareness. Twelve (12) customers successfully completed the program in 2013.
Continued the development and delivery of the Automation Academy, where attendees learn about Integrated Demand Side Management (IDSM) applications and receive hands-on training of program logic controllers. One series of Intro to PLC (Level 1 and 2) was offered in addition to one series of Level 2 that was delivered through a joint utility partnership with PG&E.

Continued to offer the California Advanced Lighting Controls Training Program (CALCTP). CALCTP is a statewide initiative aimed at increasing the use of lighting controls in commercial buildings. This series educated, trained, and certified state-certified general electricians in the proper design, installation, and commissioning of advanced lighting control systems. A total of 52 certified electricians or electrical contractors attended 13 CALCTP trainings.

Continued to deliver HERS Raters and Energy Code Enforcement training. These offerings are designed to educate HERS raters about how to train their local building departments and to understand and use the HERS process for energy code enforcement. In 2013, 18 classes were offered with total attendance of 209.

Partnered with CalCERTS in offering 11 multi-level HERS trainings including hands-on labs in 2013. A total of 117 customers attended the classes.

The Tool Lending Library program loaned 408 tools through 236 customer transactions.

The Building Operator Certification program accomplished Level I and Level II course goals for the 2013 program year. There were 25 Level I and 3 Level II courses, with 454 participants.

The Energy Education Centers Foodservice Technology Program delivered 9 EE classes, with 171 attendees; held 55 equipment demonstrations and consultations, with 168 attendees; tested 14 pieces of equipment; and completed 4 field projects.
2013 Energy Education Centers Performance:

<table>
<thead>
<tr>
<th>Deliverable</th>
<th>Tulare</th>
<th>Irwindale</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminars</td>
<td>141</td>
<td>252</td>
<td>393</td>
</tr>
<tr>
<td>Total EE Attendance</td>
<td>3,159</td>
<td>7,868</td>
<td>11,027</td>
</tr>
<tr>
<td>Total on-location seminars</td>
<td>17</td>
<td>29</td>
<td>47</td>
</tr>
<tr>
<td>EE Consultations or EE Equipment Demonstrations</td>
<td>90</td>
<td>74</td>
<td>164</td>
</tr>
</tbody>
</table>

2. **WE&T Connections Subprogram**

Program Description

The WE&T Connections subprogram promotes EE and energy / green sector career awareness (as age-appropriate), along all educational paths (levels) from K-12 to post-secondary. Connections achieves its EE educational goals by working with community-based organizations (CBOs), state education agencies, and educational stakeholders to help promote the inclusion of EE and career awareness. The sub-program imparts the EE, DR, and relevant career messages through educational materials, student assemblies, and teacher workshops. Educational materials (K-12) are correlated to the California Department of Education's content standards for K-8.

In 2013, Connections' K-12 and 4-year university programs met their goals. The community college program enrolled one campus.

**Strategies Implemented/Continued in 2013**

- The K-12 sector programs (LivingWise, PEAK, and PowerSave Schools) not only met their student outreach target, but also their low-income, inner-city or urban, Title 1 target, teacher training target, and outreach and green career targets. In
addition, all K-12 curricula and materials were updated with Integrated Demand Side Management (IDSM) concepts and activities.

- The Community College Developing Energy Efficiency Professionals (DEEP) program kicked off its second year of implementation in April. Through year-end, program management outreached to past and new participating colleges, enrolling one. Two other colleges nearly completed the enrollment process in 2013 and are on schedule for enrollment by mid-2014.

- The student-driven PowerSave Campus statewide program (formerly Green Campus) continued its presence in SCE's service area with six universities and nearly 30 interns. Through 79 outreach and 17 workforce events, interns outreached directly and indirectly to 185,000 students, staff, and community members. Examples of workforce events are career panels, job fairs, and hands-on trainings. Moreover, interns collaborated with faculty and curriculum developers on 13 academic infusion initiatives, including some focused on IDSM. Lastly, the program was recognized as the 2013 California Internship & Work Experience Association's (CIWEA) Employer of the Year.

3. **WE&T Strategic Planning and Implementation Subprogram**

   **Program Description**

   This subprogram involves management and execution of several strategic statewide planning tasks identified in the Strategic Plan: CA Needs Assessment recommendations, WE&T comprehensive evaluation (EM&V), and WE&T hiring of consultant(s) for informing and developing strategic direction in 2015.

   **Strategies Implemented / Continued in 2013**

   The IOUs continued their efforts to implement recommendations set forth in the CA Needs Assessment study. In 2013, sector strategies in the areas of energy education and HVAC continued.
The education sector strategy aimed to round up energy education resources to support (1) the integration of IDSM and career awareness content into existing K-12 programs, curriculum, and resources and (2) the creation and expansion of partnerships with California Partnership Academies (CPAs), Regional Occupational Programs (ROPs) and other similar career-based technical institutions. Through the end of 2013, the team identified resources and started development on an outreach plan.

For the HVAC sector strategy, SCE and its counterpart IOUs met with members of the Energy Division and with labor and HVAC sector experts to explore specific opportunities in the commercial sector, and selected a focus area. As new data regarding the savings potential of the focus area became available in late 2013, the sector strategy stakeholder team chose to reevaluate their focus area. This resulted in more robust engagement with the Western HVAC Performance Alliance (WHPA) as the team started the development of a consistent statewide Commercial Quality Maintenance training going forward into 2014.

- The Action Plan for IDSM Integration recommendations were released in April. All K-12 programs implemented the recommendations by year-end.
- In addition, SCE and its IOU counterparts started planning a comprehensive evaluation of the WE&T program that will: (1) determine methods for collecting job quality data from contractors participating in resource programs; (2) characterize the residential contractor training market, including an inventory of all residential program skill requirements and all DOE certification training; (3) conduct a comprehensive cost/benefit analysis of at least two certification standards, one in the residential market and one in the non-residential market; and (4) develop a framework for how ratepayer-funded programs can rationalize approaches to contractor and technician training and certification requirements.
- The IOUs solicited, reviewed, and selected a consultant to help design a comprehensive approach to the WE&T issues inherent in the energy efficiency portfolios for 2015 and beyond. The selected consultant started work in Q2, 2013, with the final strategic direction plan to be finalized in April 2014. Their
recommendations, along with the recommendation of the 2010-12 WE&T process evaluation and the EM&V comprehensive evaluation, will be instrumental in taking the WE&T program to a higher level of excellence.

K. **Statewide Marketing, Education & Outreach Program**

**Program Description**

In 2010-2012, the purpose of the Statewide Marketing, Education & Outreach (Statewide ME&O) program was to increase utility consumer awareness and participation in cost-effective energy-saving activities offered by the IOUs that save energy and reduce greenhouse gas (GHG) emissions.

The IOUs engaged in this statewide effort, as ordered in D.09-09-047 and under the brand name "Engage 360", until October 13, 2011 when Commissioner Ferron issued an Assigned Commissioner's Ruling Regarding Statewide Marketing and Outreach Program suspending all Statewide ME&O activities until Commission Staff could provide recommendations on how to revise the program.

On May 10, 2012, the Commission issued its Guidance Decision (D.12-05-015) directing the IOUs to discontinue the use of the Engage 360 brand and develop a strategy and budget for transitioning toward the use of Energy Upgrade California as a statewide umbrella brand for energy information and encouraging demand-side management actions by residential and small business consumers. Each IOU was ordered to file an individual application no later than August 3, 2012 to determine the objectives and program performance metrics of the program for the 2013-2014 period. In addition, the Guidance Decision ordered PG&E to enter into a contract with the California Center for Sustainable Energy (CCSE) as the Commission-selected program implementer by July 1, 2012 to allow CCSE to begin transition activities necessary before the transition to the Energy Upgrade California brand.
Strategies Implemented in 2013

On January 18, 2013, the assigned Commissioner and Administrative Law Judge issued a scoping memo and ruling that divided the proceeding into two phases with Phase 1 addressing the Flex Alerts and Phase 2 addressing the marketing activities related to Statewide ME&O.

Phase 1

On April 18, 2013, a Phase 1 decision (D.13-04-021) was issued for Flex Alerts to provide paid media outreach when a Flex Alert is called by the California Independent System Operator (CAISO) to educate customers on how to respond and encourage them to reduce their energy usage. This decision established SCE as the administrator and set annual utility budgets for the Flex Alert program for 2013 and 2014. The total statewide Flex Alert budget is $10 million annually with contributions of $6 million from SCE, $2.5 million from PG&E, and $1.5 million from SDG&E. In addition, SCE is the Lead on the Evaluation, Measurement and Verification (EM&V) study on Flex Alert for the utilities, which is to be funded by a portion of the 2012-2014 EM&V budget authorized in D.12-04-045.

Phase 2

On March 14, 2013, as directed in the January 18, 2013 scoping memo, CCSE served its marketing plan for Energy Upgrade California detailing their plan for outreach. As part of the brand transition work, CCSE issued requests for proposals (RFP) and selected agencies to conduct brand and website assessments of Energy Upgrade California, with final reports issued February 15, 2013 and March 12, 2013, respectively.

On December 19, 2013, Decision 13-12-038 was issued assigning responsibility to CCSE to develop and implement the Statewide ME&O plan for residential and small business customers for 2014 and 2015, with oversight by the CPUC and California Energy Commission (CEC). The decision identified the IOUs and Regional Energy Networks (RENS) responsibilities as to: providing information to CCSE and the
marketing firm in a timely manner; participating in the EM&V roadmap for marketing; coordinating with CCSE on local and statewide marketing activities; and raising any issues with the semi-annual marketing plans proposed by CCSE. The decision also ordered PG&E to serve as the fiscal manager through a contract with CCSE, on behalf of the IOUs, without exercising control of, or modifications to, the overall design of the 2014-2015 Statewide ME&O program.

I. Statewide Integrated Demand Side Management Program

Program Description

The California Long Term Energy Efficiency Strategic Plan (Strategic Plan) recognizes the integration of demand-side management options, including EE, demand response, and distributed generation, as fundamental to achieving California's strategic energy goals. To support this initiative, the IOUs have identified integrated demand-side management (IDSM) as an important strategic DSM policy priority and have proposed a series of activities, pilots, and other programs in response to the Strategic Plan DSM Coordination and Integration Strategy.

Strategies Implemented in 2013

An IOU and Energy Division Statewide IDSM Task Force was formed in 2010 and has continued coordinating activities that promote, in a statewide-coordinated fashion, the strategies identified in the Strategic Plan and the eight integration directives described in the EE decision, as follows:

1. Develop a proposed method to measure cost-effectiveness for integrated projects and programs including quantification and attribution methods that include GHG and water reductions benefits and the potential long-term economic and electric and gas hedging benefits.

2. Develop proposed measurement and evaluation protocols for IDSM programs and projects.
3. Review IDSM-enabling emerging technologies for potential inclusion in integrated programs.

4. Develop cross-utility standardized integrated audit tools using PG&E's developed audits as a starting point.

5. Track integration pilot programs to estimate energy savings and lessons learned and develop standard integration best practices that can be applied to all IOU programs, based on pilot program evaluations and the results of additional integration-promoting activities (that is, EM&V and cost/benefit results).

6. Develop regular reports on progress and recommendations to the CPUC.

7. Organize and oversee internal utility IDSM strategies by establishing internal Integration Teams with staff from EE, DR, DG, marketing, and delivery channels.

8. Provide feedback and recommendations for the utilities' integrated marketing campaigns, including how the working group will ensure that demand response marketing programs approved as Category 9 programs are coordinated with EE integrated marketing efforts.

**Strategies Implemented in 2013**

*Note: Further efforts on developing integrated cost effectiveness and EM&V methodologies are on hold pending direction from the Energy Division.*

- The Task Force tracked multiple integrated emerging technologies and reviewed various programs, projects, IDSM Pilots, and activities to identify integration efforts and opportunities and to develop best practices.
- The IOUs submitted four joint quarterly reports for 2013, including an Executive Summary section, to provide Energy Division staff with updates on the eight
IDSM directives. The statewide IDSM Task Force held regular coordination phone calls and met in person in November to review the status of the various support activities for this IDSM initiative.

- The IOUs have delivered an estimated 350 integrated collateral pieces, outreach events, and website efforts to residential and business customers that promote multiple programs across EE, DR, DG and/or AMI.

- In addition to the meetings described above, the IOUs have coordinated on a Statewide basis in several areas:
  
  - The SW Online Integrated Audits team continues to coordinate in delivering a consistent online integrated audit tool that works with each IOU interface and educates customers on managing their energy use costs.
  
  - The Onsite Integrated Audits team continues to collaborate to share approaches and best practices. The IOUs continue to offer onsite integrated audits to small, medium and large customers.

- SCE's IDSM efforts included:
  
  - **WE&T Centergies**: Offered external classes and curriculum with IDSM content through the Energy Centers. In Q3 and Q4, SCE worked on improving the quality of its integrated curriculum offerings. In addition, SCE began evaluating each of the IDSM classes to determine how they can be improved to better meet the IDSM definitions and to refine the screening criteria for determining whether classes should be considered integrated.
  
  - **Integrated Marketing**: Delivered numerous integrated marketing collateral pieces, campaigns, outreach events, and website efforts — over 20 for business customers and over 30 for residential and smaller business customers.

  - **Emerging Technologies**: Organized and hosted the Emerging Technologies (ET) Summit to discuss EE, demand response, customer-facing smart grid, and related topics with thought leaders in ET.
- **Integrated Training and Knowledge Transfer**: Offered an IDSM Summit training event in September 2013 to SCE Business Customer Division (BCD) customer account reps, program team members, and marketing representatives to ensure compliance with CPUC requirements for the Statewide IDSM program, to increase knowledge and awareness on Integrated Projects, and to enhance communication between BCD, IDSM Operations, and the Offer Management and Marketing departments. The event leveraged past training approaches from SCE and other IOUs, was attended by approximately 200 employees, and received high satisfaction ratings from survey respondents.

- **Identifying and Leveraging Best Practices**: Continued to identify best practices for delivering integrated projects in the field that include (but are not limited to) knowing the customers, their program participation history, and their industry to offer the right solutions, meeting customers in person so other measures can be identified and recommended from visual inspection, and creating a team approach that includes the appropriate subject matter experts, customer decision makers, and corporate representatives as appropriate.

**M. Energy Leader Partnership Program**

The Energy Leader Partnership (ELP) Program provides support to local governments to identify and address EE opportunities in municipal facilities, take actions supporting the Strategic Plan, and increase community awareness and participation in demand side management opportunities. A key goal of SCE’s local government partnerships is helping cities and counties lead by example in addressing EE first in their own municipal facilities. In addition, the program strives to expand the policies and the energy management capacity of local governments to maintain a focus on long-term sustainability. During 2013, 112 cities and seven counties participated in the ELP model. Thirty-three ELP partners moved up a tier in SCE’s ELP model during 2013 through demonstrated EE achievements and commitment to the partnerships.
1. **City of Beaumont Partnership Energy Leader Partnership**

**Program Description**

The Beaumont Energy Leader Partnership Program is a local government partnership comprised of the City of Beaumont (the "City" or "Partner") and SCE, which launched in 2009 under the Local Government Energy Action Resources Partnership. The Partnership focuses on municipal retrofits, ME&O, and strategic plan development.

**Strategies Implemented in 2013**

- SCE and the City of Beaumont held monthly meetings to discuss Energy Leader program goals, milestones for marketing, training, and EE projects.

- In 2013, the City of Beaumont maintained platinum tier status in the ELP model which represents EE projects completed equal to 20% or greater of the city's annual energy consumption. The City also participated in the Direct Install program for municipal facilities.

- The City continues to publish an "Energy Efficiency Tip of the Week" via the City's social media channel to promote SCE's various programs.

- The Partnership participated in the Cherry Festival in June, which included SCE's Mobile Educational Units as part of marketing and outreach to the community.

- The city manager required that partnership updates be a regular item on all city council meeting agendas pertaining to the city's sustainability efforts overall.

- Southern California Gas Company joined the partnership in May 2013.

- The city's webpage linked to SCE's Facebook page offering summer readiness tips for outreach efforts to the community.

- City staff provided partnership updates and accomplishment to city council.
2. City of Long Beach Energy Leader Partnership

Program Description

The Long Beach Energy Leader Partnership Program is a local government partnership comprised of the City of Long Beach and SCE. Partnership activities in 2013 focused on implementing EE in municipal facilities specifically and promoting EE in the community through community education, marketing and outreach efforts to create awareness and connect residents and businesses with information and opportunities to take energy actions.

Strategies Implemented in 2013

- The city invited various departments to join the partnership meetings including representatives from the Long Beach Port, Convention Center, Airport, water, and gas departments. Participation from these departments has increased energy savings opportunities.

- The city completed three major EE projects, including pneumatic-to-DDC chiller controls, Airport Phase 1 improvement, and the completion of a Savings By Design project for the LB Port. The city also initiated five Savings By Design (commercial new construction) projects.

- Audits were completed at three city libraries and installations are scheduled for early 2014 through the Direct Install program for municipalities.

- The partnership promoted SCE's core EE programs and other energy offerings at three city-sponsored events.

- The city is pursuing an LED street lighting project sponsored by the Long Beach Port.

- The city enrolled two new service accounts in demand response programs.
3. **City of Redlands Energy Leader Partnership**

**Program Description**

The Redlands Energy Leader Partnership Program is a local government partnership comprised of the City of Redlands (the "City" or "Partner") and SCE. The City of Redlands Partnership Program delivers energy savings through retrofits of municipal facilities. The partnership includes marketing, education, and outreach to local governments and their communities, coordinates with core utility EE and demand response programs, and implements strategic planning activities.

**Strategies Implemented in 2013**

- SCE and the City of Redlands held monthly meetings to discuss core objectives, Energy Leader program goals, milestones for marketing, training, and EE projects.
- The city reached the Silver Tier level in the Energy Leader Model.
- The city completed a pump retrofit project and street light upgrade project.
- The Partnership coordinated an outreach campaign for the Home Energy Efficiency Survey Program to the city's residents.
- The Partnership participated in Redlands Sustainability Festival in March which included information about EE for both commercial and residential customers.
- The city was a recipient of the Beacon Award.
- Redlands participated in SCE's Direct Install Program for municipal facilities.
- The Partnership posted EE tips on the city's Facebook page offering summer readiness tips for outreach efforts to the community.
- Southern California Gas Company joined the Partnership in May.
4. **City of Santa Ana Energy Leader Partnership**

**Program Description**

The Santa Ana Energy Leader Partnership Program is a local government partnership comprised of the City of Santa Ana and SCE. Partnership activities focus on implementing EE in municipal facilities specifically and promoting EE in the community. The partnership establishes energy savings goals for EE retrofit of city-owned facilities, and identifies, scopes, and implements projects. The partnership also funds community education, marketing, and outreach efforts to create awareness and connect residents and businesses with information and opportunities to take actions to reduce energy consumption, and includes strategic plan activities such as climate action planning, code compliance and reach codes developments.

**Strategies Implemented in 2013**

- SCE and the City of Santa Ana met monthly to discuss Energy Leader program goals, milestones for marketing, training, and EE projects.
- The city completed eleven major EE projects, including LED streetlight projects.
- Of the eleven EE projects completed in 2013, all took advantage of the On-Bill Financing Program which facilitated city approval and completion of the projects.
- The City featured EE and other SCE programs in each of its quarterly newsletters.
- The City completed event curtailment plans for six of their facilities enrolled in DR programs.
- The city completed its Energy Action Plan in September 2013, outlining goals and projects it plans to implement.
- The city achieved Gold Tier level at the completion of the 3rd quarter.
- The city initiated its participation in SCE's Direct Install Program for municipal facilities by auditing four facilities in 2013. Installation was completed on one facility with the other three scheduled for completion in Jan. 2014.
• The city development of an online permitting system, further promoting demand side management.

5. **City of Simi Valley Energy Leader Partnership**

  **Program Description**

  The Simi Valley Energy Leader Partnership Program is a local government partnership comprised of the City of Simi Valley and SCE. Partnership activities focus on implementing EE in municipal facilities and promoting EE in the community. The partnership establishes energy savings goals for EE retrofit of city-owned facilities, and identifies, scopes and implements EE projects. The partnership also funds community education, marketing and outreach efforts to create awareness and connect residents and businesses with information and opportunities to take energy actions. Additionally, the partnership includes strategic plan activities such as climate action planning, code compliance, and reach codes developments.

  **Strategies Implemented in 2013**

  • SCE and the City of Simi Valley Partnership team met monthly to review program goals and discuss plans.

  • Completed a project with the city's Truck Transit Bay.

  • Utilized SCE's Mobile Energy Unit to provide energy information and demonstrations at Simi Valley's Living Green Expo and Street Fair. Over 2,000 people attended this event.

  • Conducted a retrocommissioning (RCx) training seminar for stakeholders of the proposed city hall RCx project.

6. **Gateway Cities Leader Partnership**

  **Program Description**

  The Gateway Cities Leader Partnership Program is a local government partnership comprised of the Cities of Downey, Norwalk, and South Gate, SCE, and
SCG. Partnership activities focus on implementing EE in municipal facilities and promoting EE in the community. The partnership establishes energy savings goals for EE retrofits of city-owned facilities, and identifies, scopes, and implements EE projects. The partnership also funds community education, marketing, and outreach efforts to create awareness and connect residents and businesses with information and opportunities to take energy actions. Additionally, the partnership includes strategic plan activities, such as climate action planning, code compliance, and reach codes.

**Strategies Implemented in 2013**

- SCE and the member cities met monthly to discuss Energy Leader Program goals, milestones for marketing, training, and EE projects.

- The partnership completed one EE lighting project for the City of South Gate, and identified, scoped and launched EE projects in 2013 for the cities of Downey and Norwalk.

- The City of Downey commenced work on the Energy Action Plan (EAP) as their embedded strategic plan task.

- The partnership included information on SCE's core programs and other energy offerings in its monthly newsletter and on its website.

- The partnership conducted workshops on benchmarking and demand response during the annual Maintenance Superintendents Association conference.

- The partnership conducted the following major community events promoting EE and utilizing SCE's Mobile Energy Unit:
  - Annual Azalea Festival, Family Day at the Park, and Annual MSA conference for City of South Gate;
  - Summer Concerts for the City of Norwalk; and
  - Annual Children Day and Street Fair for the City of Downey.
7. **Community Energy Leader Partnership**

**Program Description**

The Community Energy Partnership (CEP) program is a unique local government partnership comprised of the cities of Brea, Corona, Irvine, Moreno Valley, San Bernardino, Santa Clarita and Santa Monica, and SCE, SCG, and the Energy Coalition (TEC) as the implementing partner. The CEP members work in collaboration to deliver energy savings in municipal facilities and create EE awareness among multiple market segments, including municipal, residential, and non-residential. The program initiatives also include an emphasis on activities that support the Strategic Plan, and coordination of utility core programs to Partner city communities.

**Strategies Implemented in 2013**

- Continued to hold monthly Efficiency Now! Team meetings with City Team Leaders and facility-related city staff, Utility Account Representatives and Public Affairs Managers, and TEC staff. The purpose of these team meetings is to further cement new working relationships among Partner Cities, the utilities, and TEC that were essential in successfully reaching all program goals in 2013 and maintain a focus on EE and sustainability.

- Completed 15 projects in 2013.

- Continued to promote IDSM audits and DR programs to partner cities during team meetings.

- Coordinated with SCE on outreach efforts for the Nonresidential Direct Install program in several partner cities.

- Distributed information regarding the following programs: HEES Surveys, Operation Light Exchange Events, CSI (California Solar Initiative), and the Appliance Recycling Program.

- Conducted 14 Community Outreach events, five ELP Tier elevation presentations, and one Team Leader Meeting in 2013.
• Highlighted the City of Moreno Valley in an SCE Energy Leader Partnership Integrated Demand-Side Management Success Story

• Regularly produced city accomplishments documents, customized for each partner city to showcase their achievements that were distributed by SCE Public Affairs Managers to share with City Managers, Council Members, and city decision-makers.

• Coordinated walkthroughs and upgrades with SCE and SCG Energy Savings Assistance (ESA) and Multifamily Programs for a low-income housing complex in Brea.

• Coordinated Energy Upgrade California Workshop and Contractor Meet and Greet in Irvine,

8. **Eastern Sierra Energy Leader Partnership**

    **Program Description**

    The Eastern Sierra Energy Leader Partnership is a partnership between SCE and jurisdictions in the Eastern Sierra region. The partnership identifies opportunities for improving EE for Eastern Sierra jurisdictions, offers customized incentives for municipal projects, and conducts EE training and outreach events to drive participation in the core programs.

    **Strategies Implemented in 2013**

    • SCE and the High Sierra Energy Foundation held monthly meetings to discuss partnership core objectives, program goals, and milestones for marketing, training, and EE projects. Quarterly updates were distributed to jurisdiction administrative executives.

    • The partnership participated in the Statewide Energy Efficiency Forum in Sacramento in June 2013.
• The partnership worked with its partner local governments to identify several project opportunities to pursue through Savings By Design, On-Bill Financing, and Direct Install for local governments.

• All the Eastern Sierra Partner local governments prepared for discussions with SCE regarding savings opportunities associated with upgrading of street lights.

• The partnership promoted the Comprehensive Manufactured Homes Program which resulted participation of over 150 residents.

• The partnership hosted a Title 24 New Standards class at the Cerro Coso Community College Bishop Campus for public works employees and planners from the local jurisdictions as well as building professionals.

• The partnership began work with City of Bishop on a simplified Energy Action Plan.

• The partnership conducted numerous community events, which included information on EE for commercial and residential customers, such as Home Show, Earth Day, and the Fourth of July Parade.

9. **Partnership Strategic Support**

   **Program Description**

   SCE, PG&E, SCG, and SDG&E contracted with the International Council for Local Environmental Initiatives (ICLEI), the Institute for Local Government (ILG), and the Local Government Commission (LGC) to implement the Statewide Energy Efficiency Collaborative (SEEC). SEEC provides a coordinated statewide program of workshops, technical assistance, a recognition program, and other means to allow local governments to share best practices associated with energy management. The statewide local government EE best practices coordinator, also funded by the four IOUs, coordinates this work.
Strategies Implemented in 2013

- The Beacon Award, implemented by the Institute for Local Government, has accepted 55 local governments into the program. The Program awarded its first full Beacon Award and has provided Spotlight Awards to 33 cities and counties for their sustainability accomplishments made to date. In addition, there are three Beacon Champions for the year who are tasked toward inspiring participation and leading local governments to obtain the award. ILG has presented the Beacon Award and general EE information at several conferences and meetings to create further awareness among local governments.

- ILG promoted EE opportunities for local agencies to increase awareness through a number of activities including:
  - A series of articles and advertisements in Western City magazine
  - Written case stories disseminated through a variety of distribution channels
  - Videos highlighting local EE and sustainability activities, and
  - Presentations at statewide and regional meetings and conferences of local agency staff and officials.

- ILG updated all the areas of its Sustainability Best Practices Framework which reflect activities undertaken by cities and counties participating in the Beacon recognition program, technological advancements, and policy changes at the state level. Like the original Best Practices Framework, updates have been peer-reviewed and reflect input from local and state officials, technical experts, and others.

10. Desert Cities Energy Leader Partnership

Program Description

The Desert Cities Energy Leader Partnership Program is a local government partnership comprised of the Cities of Blythe, Cathedral City, Desert Hot Springs, Indian Wells, Palm Desert, Palm Springs, and Rancho Mirage, the Agua Caliente Tribe, SCG, the Imperial Irrigation District (IID), and SCE. The program is designed to assist local
governments to effectively lead their communities to increase EE, reduce greenhouse gas emissions, and promote other demand side management and sustainability goals.

The partnership also funds community education, marketing, and outreach efforts to create awareness and connect residents and businesses with information and opportunities to take energy actions. Additionally, the partnership includes strategic plan activities, such as climate action planning, code compliance, and reach codes.

**Strategies Implemented in 2013**

- Met monthly to discuss program goals, milestones, and marketing, training, and EE projects.
- Held working group meetings quarterly with the cities to discuss their ongoing projects.
- Worked with Cathedral City to implement an HVAC control system for its city hall.
- Assisted Rancho Mirage in implementing pump retrofits for its golf course.
- Increased member cities' EE participation, which resulted in 2 cities reaching Gold Tier level and 3 cities achieving Silver Tier level.
- Worked with the cities to implement SCE's Direct Install program to reduce energy consumption for municipal buildings.
- Conducted trainings for the cities on Reach Code, Title 24, and Climate Action Plans to promote Strategic Planning activities, working with the Coachella Valley Association of Governors (CVAG) to educate the cities on the benefits of reach codes and the effect the codes can have on the cities.

**11. Kern County Energy Leader Partnership**

**Program Description**

The Kern Energy Watch Partnership program brings together three utilities, Pacific Gas and Electric (PG&E), Southern California Edison (SCE), and Southern
California Gas (SCG) Company, with eleven local governments to improve EE throughout Kern County. The Kern Council of Governments coordinates the EE efforts of the County of Kern and the cities of Arvin, Bakersfield, California City, Delano, Maricopa, McFarland, Shafter, Taft, Tehachapi, and Wasco. The Kern Economic Development Corporation (KEDC), Staples Energy, and the San Joaquin Valley Clean Energy Organization also participate with Kern Energy Watch Partnership in joint project, outreach, and training efforts.

**Strategies Implemented in 2013**

- SCE, SCG, PG&E, the Kern Council of Governments, and the participating jurisdictions met monthly to discuss Energy Leader program goals, milestones for marketing, training, and EE projects.
- The City of Delano upgraded additional equipment at its Waste Water Treatment Plant.
- Kern County completed a Savings By Design project.
- The partnership guided residents and small businesses to SCE's core programs through its website (www.kernenergywatch.com).
- The partnership coordinated efforts to deliver the Living Wise core program in several partners' jurisdictions.
- The partnership facilitated SCE Cool Centers in California City and Delano.
- The *Take 5 for Energy Efficiency!* campaign continued to encourage local government employees and the public to participate in energy-saving activities through outreach and development success stories.
- Kern Energy Watch participated in several events including the Kern County Fair, Desert Empire Fair, Greater Bakersfield Chamber of Commerce (GBCOC) Business Expo, Kern Economic Development Corporation Seventh Annual Energy Summit, and the Bike Bakersfield for Ugly Sweater Challenge.
12. Orange County Cities Energy Leader Partnership

Program Description

The Orange County Cities Energy Leader Partnership Program includes the cities of Huntington Beach, Westminster, Fountain Valley, Costa Mesa, and Newport Beach as well as SCE and SCG. In addition to identifying and implementing EE retrofits for municipal facilities, the partnership also funds community education, marketing, and outreach efforts to create awareness and connect residents and businesses with information and opportunities to take energy actions, and includes strategic plan activities, such as climate action planning, code compliance, and reach codes.

Strategies Implemented in 2013

- The cities met monthly with SCE and SCG to discuss Energy Leader program goals, milestones for marketing, training, and EE projects.
- The City of Newport Beach reached Silver Tier status in the Energy Leader Partnership Model.
- The partnership completed a water pump project in the city of Newport Beach.
- The partnership completed RCx projects at the Civic Center and Library in the City of Huntington Beach.
- The partnership provided technical assistance to the cities for project identification.
- Direct Install (DI) program projects for municipal facilities were implemented for local government buildings in the cities of Fountain Valley, Huntington Beach and Newport Beach.
- The partnership conducted community events which emphasized EE through partnership information booths, brochures and the use of SCE’s Mobile Energy Unit (MEU).
- The partnership collaborated with The Energy Network (TEN) on initial kick-off meetings with the cities of Huntington Beach and Newport Beach.
• The City of Newport Beach executed LEED and Cal Green trainings for City staff on the embedded strategy plan task "Local Government energy efficiency expertise becomes widespread. Green building code and LEED certification training was provided to staff."

• The City of Huntington Beach started work on the embedded strategy plan task 4.1.3 "Update of the General Plan/Conservation Element with Climate Policies."

13. **San Gabriel Valley Energy Leader Partnership Program**

   **Program Description**

   The San Gabriel Valley Energy Leader Partnership Program (SGVEWP) is a partnership between the SCE and the San Gabriel Valley Council of Governments. The partnership identifies opportunities for improving EE in the 29 cities of the San Gabriel Valley. The program offers customized incentives for municipal projects, conducts EE training and outreach events to drive participation in the core programs, and provides Strategic Plan support for long-term goals such as climate action planning, code compliance, reach codes, and other strategic plan initiatives.

   **Strategies Implemented in 2013**

   • Held regular monthly meetings to discuss program administration, marketing, and implementation efforts.

   • Provided assistance to several partnership cities in completing DR and Energy Action Plan efforts to help them move up the Energy Leader tier levels.

   • The City of West Covina became the first Platinum Tier city in SCE territory.

   • The Cities of El Monte, South Pasadena, Duarte, San Gabriel, and Claremont reached the Gold Tier level in the Energy Leader Model.

   • Six other cities reached the Silver Tier level.

   • The partnership exceeded its annual goal by 109% by completing several municipal projects.
The cities of Alhambra and El Monte were the largest contributors to the program's success by completing well retrofits and HVAC upgrade projects.

The partnership participated in approximately 39 outreach events which included several community outreach events to promote demand response and energy efficiency.

The partnership targeted outreach in multiple cities, which included distribution of flyers at community events, outreach to local business, and participation in a lamp exchange event.

The partnership hosted its annual kick-off event focusing on the utilities' energy efficiency incentive application process.

The partnership hosted six Energy Working Group meetings, comprised of city staff responsible for managing municipal and community-wide energy programs.

The partnership participated in the local government direct install initiative.

14. **San Joaquin Valley Energy Leader Partnership**

**Program Description**

The San Joaquin Valley Partnership is a partnership between SCE, the Cities of Hanford, Lindsay, Porterville, Tulare, Visalia, and Woodlake, and King and Tulare Counties. The partnership identifies opportunities for improving EE in municipal facilities, offers customized incentives for municipal projects, and conducts EE training and outreach events to drive participation in the core programs.

**Strategies Implemented in 2013**

- SCE, SCG, the San Joaquin Valley Clean Energy Organization, and all partnership member cities and counties met monthly to discuss Energy Leader program goals, milestones for marketing, training, and EE projects.

- The partnership participated in the Statewide Energy Efficiency Forum in Sacramento in June 2013.
The partnership promoted utility programs such as SCE Small Business Direct Install, Energy Upgrade California, Cool Centers, Demand Response, and On-Bill Financing.

The partnership presented community engagement opportunities at partnership meetings, such as Regional Home Energy Tune-Up (the regional comprehensive residential retrofit program) and the Summer Savings program for businesses.

The partnership distributed energy efficiency and demand response literature on topics such as Edison SmartConnect and Summer Readiness.

The partnership cities performed several EE retrofits. For example:

- The City of Tulare completed Savings By Design projects at two of its fire stations.
- The City of Porterville completed one project.
- The City of Visalia completed lighting and lighting controls upgrades to Visalia's Convention Center. Visalia also aggressively began implementing its Energy Action Plan by initiating new projects at many of its facilities that are expected to be completed in 2014.
- The City of Woodlake completed a calculated VFD Tank project.
- The County of Kings implemented three deemed EE savings projects.
- The County of Tulare completed a Savings By Design project (commercial new construction) project.

15. South Bay Energy Leader Partnership

Program Description

The South Bay Partnership provides an energy resource center, the South Bay Energy Savings Center (SBESC), and supports fifteen local governments of the South Bay and their respective communities. SCG and the West Basin Municipal Water District are also part of this partnership. The program provides energy information, workshops, and community outreach. The Energy Efficiency Plus ("EE+") element of
the program provides technical assistance to cities and businesses to help identify EE opportunities and provide access to statewide and local EE incentives and rebates. South Bay is also engaged in strategic planning activities that include Climate Action Plans, Enterprise Energy Management Information Systems, and online permitting.

**Strategies Implemented in 2013**

- The partnership conducted monthly meetings with all four partners and weekly conference calls, which focused on EE projects.

- The partnership completed four major EE projects.

- The partnership also identified an additional 13 projects expected to be completed in 2014.

- The partnership continued work in supporting the member cities to Adopt Climate Action Plans (CAPs), Energy Action Plans (EAPs), or adopt EE language into another policy document, such as a General Plan, to reduce community greenhouse gas emissions with a focus on EE. Energy Action Plans were approved for 12 cities in 2013, and the remaining 3 EAPs are being drafted and expected to be approved in 2014.

- The South Bay ESC continued to promote community EE and/or demand response criteria awareness by producing items such as water bill inserts and inserts in the shape of a refrigerator promoting SCE’s Appliance Recycling Program in the South Bay region.

- Jumbo freeway electronic signage was used to promote Demand Response.

- The partnership conducted educational events monthly throughout the 15 member cities, including 86 events, 18 workshops, and 20 Farmers’ Market events.

- The partnership held an Annual Holiday Light Exchange serving 250 households with EnergyStar®-rated holiday LED strands in exchange for old incandescent strands.

- Seven of 15 cities have become Beacon Award Participants and one city has achieved 2 Spotlight Awards.
16. South Santa Barbara County Energy Leader Partnership

Program Description

The South Santa Barbara County Energy Efficiency Partnership includes SCE, Santa Barbara County, and the Cities of Santa Barbara, Goleta, and Carpenteria. The program generates energy savings through identification of municipal EE projects and also provides education, training, and marketing and outreach. Cities complete retrofits of their own facilities and conduct community sweeps as well as outreach to residential and business communities to increase participation in core programs. The partnership acts as a portal for other demand side management offerings including Low Income, CARE, Demand Response, Self-Generation, and California Solar Initiative programs. The partnership provides energy information to all market segments, identifies projects for municipal retrofits, and funnels customers to existing SCE core EE programs. Additionally, the partnership includes strategic plan activities such as climate action planning, code compliance, reach codes developments and other strategic plan initiatives.

Strategies Implemented in 2013

- Continued to meet monthly to effectively share information about the partnership's upcoming events and to discuss community needs and program implementation.
- Completed several retrofit projects.
- Identified and scoped numerous EE opportunities with the city of Santa Barbara for well and pumps retrofits
- Completed a retrocommissioning protocol.
- Coordinated two refrigerator and freezer pickup events.
- Participated in the Earth Day Festival to promote community home EE.
- Continued to partner with the Green Business Santa Barbara County (GBPSBC) program, which encourages businesses to implement actions to protect, preserve, and improve the environment above and beyond what is required by law. The voluntary certification program offers assistance and incentives connecting
dozens of regional businesses with utility rebates and programs, such as the Business Direct Install program. The partners identified potential energy auditors through SCE, which are required for businesses.

- Coordinated and organized the South County Energy Summit at UCSB
- Participated in the local government direct install initiative.
- Offered Title 24 trainings in collaboration with the utilities' Codes and Standards Program.

17. Ventura County Energy Leader Partnership

Program Description

The Ventura County Regional Energy Alliance (VCREA), in partnership with SCG and SCE, builds on progress to date towards implementing a targeted Public Sector Program of energy savings for public agencies throughout the Ventura County region. VCREA supports efforts for nine cities (Camarillo, Fillmore, Moorpark, Ojai, Oxnard, Port Hueneme, Santa Paula, Thousand Oaks, and Ventura) and the County of Ventura to engage in the Energy Leader Model program, and utilizes the strengths of the VCREA and its utility partners to jointly assist public agencies in leading their communities to greater participation in EE programs.

Strategies Implemented in 2013

- Continued to meet monthly to discuss initial contract formats, Energy Leader program goals, milestones for marketing, training, and EE projects.
- Completed 2013 EE Projects and provided technical audits which resulted in a significant pipeline for 2014, estimated to exceed partnerships goals for the program cycle.
- Conducted partner workshops detailing the SCE application process for customized and express projects, tier level requirements, and SCE DR programs.
- The City of Oxnard and County of Ventura completed their Energy Action Plans.
- Oxnard was the first city in the partnership to achieve Gold Tier Level.
• Distributed a quarterly newsletter including information on SCE program offerings, and training classes.

• Promoted the Direct Install program offered to municipalities with more than 20 audits completed and installation completed on 4 facilities.

18. Local Government Strategic Planning Pilot Program (Solicitation)

Program Description

The Local Government Strategic Planning Pilot (Solicitation) is designed to provide increased funding and support for city, county, and regional governments to pilot activities that directly support the LGP Strategic Plan goals and strategies. These pilot programs are a result of a solicitation process whereby local governments proposed activities above and beyond normal partnership work that would directly align with the California Long Term Energy efficiency Strategic Plan.

Strategies Implemented in 2013

• Final negotiations culminated with the execution of three Phase 2 and five Phase 3 pilot contracts.

• Through the LGP Strategic Planning Pilot Program, local governments adopted two green building programs, completed one educational program for city officials, adopted eleven benchmarking and six commissioning and retrocommissioning policies for municipal facilities, completed 49 Energy Action Plans or EE-chapters of Climate Action Plans and four energy savings analyses for GHG inventories, and adopted one revolving EE fund.

• Fourteen local governments are producing the EE chapter of their Municipal Climate Action Plans or Energy Action Plans (task 3.2.1) while 36 are developing Energy chapters of a Community CAP or EAP (task 4.1.1). The action plans will define goals and actions to increase EE for municipal facilities and/or the community. Local governments are taking steps to better understand how they use energy and how their energy use compares with other similar facilities. Seventy-nine LGs are pursuing the installation of utility manager systems that
collect, organize, and help analyze energy use data for the local government, while 24 local governments are establishing benchmarking policies and procedures to ensure that energy use at their facilities is being analyzed systematically.

- Twenty-two local governments are developing reach codes and/or green building codes that increase EE and green building practices in their communities.
- Over 30 local governments are seeking to improve code compliance by receiving training on how to enforce energy codes more effectively.

19. **Western Riverside Energy Leader Partnership**

**Program Description**

The Western Riverside Energy Leader Partnership (WRELP) program delivers energy savings by implementing EE measures in municipal facilities. The partnership offers marketing, education, and outreach to local governments and their communities, coordinates with core utility EE and demand response programs, and provides Strategic Planning assistance to participating cities.

WRELP covers an area of over 2,100 square miles in one of the fastest-growing areas in the United States. Western Riverside County is a large geographical area in Southern California, generally located east of Orange County, south of San Bernardino County, and north of San Diego County.

**Strategies Implemented in 2013**

- Conducted SCE monthly and quarterly meetings to discuss Energy Leader Program goals, milestones for marketing, training, and EE projects.
- Three cities out of 13 participating cities have achieved Gold Tier status and 5 cities have achieved Silver Tier status in the Energy Leader Model.
- The cities of Temecula, Perris, San Jacinto, Hemet, and Norco completed EE projects in their municipal facilities.
• The partnership continued to identify potential projects by reviewing investment grade audits for each participating city and looking into financing options.

• The partnership participated in the San Jacinto Agriculture Festival in September, utilizing SCE's Mobile Energy Unit (MEU) for outreach.

• The partnership continued to promote SCE's Demand Response programs and encourages partner cities to participate in them.

• The partnership conducted numerous community events at various cities and included SCE's MEU.

• The partnership hosted a 2013 Energy Summit in March as part of the elected official educational initiative.

• All participating Cities adopted benchmarking policies and procedures.

• SCG joined the partnership as of May.

20. **City of Adelanto Partnership Energy Leader Partnership**

   **Program Description**

   The City of Adelanto Energy Leader Partnership is a partnership between SCE and the City of Adelanto. This partnership sets EE goals, generates measurable, verifiable energy savings through identification of specific EE projects, and conducts community outreach activities. Projects are referred to SCE's core programs and can be residential or non-residential, including small businesses, larger commercial and industrial businesses, municipal and other governmental agencies, and non-profit organizations. Low-income and demand response program referrals are also included. The program offers customized incentives for municipal projects and conducts EE training and outreach events to drive participation in the core programs.

   **Strategies Implemented in 2013**

   • SCE and the City of Adelanto held monthly meetings to discuss Energy Leader Program goals, milestones for marketing, training, and EE projects.

   • The City reached Energy Leader Model Gold Tier status as of the 4th Quarter.
• The City completed a blower upgrade EE project at its waste water treatment plant.

• The partnership continues to identify potential projects and provide water optimization and waste water treatment plant technical assistance.

• City staff presented a partnership update at one city council meeting.

• The City converted its city hall waiting area into an educational area for partnership outreach and education.

• The city conducted several community events which emphasized EE through brochures and the use of SCE’s MEU.

21. West Side Energy Leader Partnership

Program Description

The West Side Energy Leader Partnership Program is a local government partnership comprised of the City of Culver City (the "City" or "Partner") and SCE. Partnership activities focus on implementing EE in municipal facilities and promoting EE in the community. The partnership establishes energy savings goals for EE retrofit of city-owned facilities, and identifies, scopes and implements EE projects. The partnership also funds community education, marketing and outreach efforts to create awareness and connect residents and businesses with information and opportunities to take energy actions. Additionally, the partnership includes strategic plan activities, such as climate action planning, code compliance, and reach codes.

Strategies Implemented in 2013

• Continued to hold monthly Efficiency Now! Team meetings with City Team Leaders and facility-related city staff, utility Account Representatives and Public Affairs Managers, and TEC staff. The purpose of these team meetings is to further cement working relationships among the partners that are essential in successfully reaching all program goals in 2013 and to maintain a focus on EE and sustainability.
• Completed two EE projects.

• Continued to promote IDSM audits and DR programs during team meetings.

• Coordinated with SCE on outreach efforts for the Nonresidential Direct Install program.

• Distributed information regarding the following programs: HEES Surveys, Operation Light Exchange Events, CSI (California Solar Initiative), and the Appliance Recycling Program.

• Regularly produced city accomplishments documents customized for the City to showcase its achievements that were distributed by SCE Public Affairs Managers to the City Manager, council members, and city decision-makers.

• The City participated in Strategic Planning to fulfill requirements of Menu Item 1.1.6. by selecting activities to pursue and planning preliminary details of events to deliver EE messaging to the community.

22. SoCalREN Fiscal Oversight

Program Description

The SoCal Regional Energy Network (REN) was approved to be piloted in the 2013-2014 Program Cycle with Los Angeles County as the lead administrator. SCE’s role is as fiscal manager. The SoCalREN contract is managed through SCE’s partnership team and coordinated with SCE subject matter experts in the areas of the EUCA Program, financing, reporting, regulatory requirements, and local governments.

In 2013, SCE worked cooperatively and collaboratively with the REN to coordinate complementary services and create a positive, successful customer experience. Working committees were established that facilitated discussion and issue resolution. The IOU-REN Coordinating Committee met quarterly to discuss overarching and strategic issues. The IOU-Regional Energy Center (REC) Technical Committee met monthly to discuss program level coordination efforts. Additional coordination working
meetings were conducted as needed to support EUCA, Finance, and REC program implementation.

2013 Accomplishments

- Established administrative requirements such as agreements and an expense reimbursement process to provide the funding path through the IOUs to the REN.

- Established working meetings with LA County's financial team to resolve any invoice issues within 15 days of receipt of the monthly invoice package.

- Set up a Secure Transfer Protocol for transmitting EUC single-family and multifamily project data to the utilities.

- Established a database that confirms customer account validation, past participation, and contractor performance, and stores project data for reporting purposes.

- Established a coordination plan for interacting and working with REN and SCE customers for the REN public agency program (REC).

- Created project-specific Customer Information Standardized Request (CISR) forms for the EUC and REC programs.

- Established an IOU SFTP site and a template for updating project data for the public agency group that gives project visibility.

- Continued working with LA County on resolving data issues under the EEMIS project.

- Established a multifamily working group to ensure IOU alignment with REN.

- Established a protocol on how customers are informed about their eligibility for low-income programs before they agree to participate in EUC REN or IOU programs.

- Actively participated in technical meetings and coordinated monthly sub-program meetings.
• Worked with the SCE reporting group and the Energy Division to establish a protocol for how REN project savings results will be reported.

• Coordinated program messaging to reduce customer confusion where co-branding opportunities exist.

N. Institutional and Government Energy Efficiency Partnership Program (IGPP)

The Institutional and Government Core Energy Efficiency Partnership Program is an umbrella program comprising seven sub-programs and incorporates two distinct program types: Statewide Institutional Programs and County Local Government Programs.

Statewide Institutional programs include partnerships with California Community Colleges (CCC), California University Systems (UC/CSU), the California Department of Corrections and Rehabilitation (CDCR), and the California State Government (State of California). County Local Government programs include partnerships with Riverside, San Bernardino and Los Angeles County governments located in SCE territory.

The mutual program objective is to reduce energy usage through facility and equipment improvements, shared best practices, education, and training. The IGPP model raises awareness of energy consumption and efficiency, builds resources and skills, and delivers energy services for deep energy savings. To reduce peak demand and create energy savings in existing facilities, the IGPP team provides core program coordination to integrate available SCE programs and services and works with our Partners' staff to develop a pool of retrofit, New Construction, and RCx (Retro-commissioning) / MBCx (Monitoring Based Commissioning) projects for implementation.

1. California Community Colleges Energy Efficiency Partnership

Program Description

The California Community Colleges and Investor-Owned Utility (IOU) EE Partnership is a statewide coordinated program with the California Community Colleges
(CCC) to share EE best practices and implement EE projects for immediate and long-term energy savings and peak demand reduction. Working directly with the Chancellor's office, SCE and the other IOUs identify EE opportunities, Retro-Commissioning (RCx), Monitoring-Based Commissioning (MBCx), New Construction and Emerging Technologies for implementation at California Community Colleges throughout the State of California, with 46 CCC campuses in SCE's service territory.

**Strategies Implemented in 2013**

**Administrative Successes**

- Held quarterly Executive Team meetings to discuss overall program status and policy issues.

- Held monthly Management Team meetings to discuss program status, project tracking, and overall program implementation and coordination issues.

- Held regular Outreach Team meetings with representation from all IOUs and CCC campuses and vendors.

- Worked with campuses to enroll projects in the On-Bill Financing Programs.

- Worked with each Savings By Design representatives to further integrate the new construction element into existing program management processes and to identify eligible projects.

- Actively tracked project savings data in an online tracking tool, and continued to create regular reports to show overall status of program and/or forecasts relative to goals.

- Continued with bi-weekly project status meetings to document implementation progress, identify and resolve issues, and drive project completion.

- Held follow-up meetings at campuses to discuss long-term energy goals and develop a series of projects to achieve these goals.

- Supported the CCC with the implementation and roll out of the Sustainability Template, participated in conferences, and worked with campuses to integrate the template into EE decisions.
Retrofit Projects

- Worked with the Management Team to develop a streamlined MBCx process that was more likely to be successfully implemented in the community college environment.

- Completed 38 retrofit, new construction, and MBCx projects at multiple CCC campuses, such as Citrus, Chaffey, College of the Desert, Cypress, Moreno Valley, Santa Barbara, Norco College, Santa Monica, West LA College, and others.

- Prop 39: SCE's support of the CCC Prop 39 program began in early 2013 and included hands-on services from account representatives and the CCC Partnership program team. These services include funding enhanced outreach, project development, and technical support for 21 districts containing 43 campuses in the services territory. These efforts have resulted in SCE funding the identification of 60 Prop 39 projects representing projected energy savings of over 10M kWh in 2013 for 2014 implementation.

Education and Outreach

- Evaluated emerging project technologies (possible new measures) for implementation in the Community College market.

- Participated in six CCC conferences, such as the CA Higher Education Sustainability Conference and Community College Facility Coalition Conference, to provide outreach to campuses and facilities staff.

- Hosted Campus Forums to provide regional informational workshops targeted towards campus facilities and energy managers. Presentations included updates on the Proposition 39 Guidelines and upcoming changes in the 2013 Title 24 code.

- Leveraged IOU Energy Resource Centers to conduct training for CCC staff and EE vendors.
2. **California Department of Corrections and Rehabilitation Energy Efficiency Partnership (CDCR)**

**Program Description**

The CDCR Partnership is a Statewide program designed to achieve immediate and long-term peak energy demand savings and establish a permanent framework for sustainable, comprehensive energy management programs at CDCR institutions served by the IOUs. Through statewide coordination, the four IOUs work with the Energy, Sustainability and Infrastructure Section under the Facility Planning, Construction and Management (FPCM) Division of CDCR and their contracted Energy Service Companies (ESCOs) to ensure implementation of projects that maximize energy savings opportunities in a cost-effective manner. Complementing this are education and outreach efforts to prison facilities operations and maintenance staff to adopt best EE and demand response practices and support CDCR's pursuit of all types of financing to fund a robust pipeline of projects with deep energy savings.

**Strategies Implemented in 2013**

**Administrative Successes**

- Met every three weeks with the Institutional Partnership teams and stakeholders (internal and external) to discuss project opportunities, legislative issues related to EE, and demand response issues. In addition to regularly scheduled team meetings, prison site outreach and audits were performed to identify additional opportunities to integrate EE strategies.

- CDCR successfully transitioned the Energy Chief's office to a completely new team. While this transition caused project delays in 2013, the revamped organization and structure positions CDCR to adapt to long-term energy needs.

**Retrofit/Projects**

- Completed three retrofit projects and four new construction projects throughout the state. One retrofit project from the seven is in the SCE service territory and the rest are in PG&E service territory.
Continued to work with CDCR to develop more EE projects to add to the current pipeline to ensure long-term sustainability of CDCR's effort to reduce their energy use. Conducted site audits to help identify opportunities and issued RFPs to CDCR's ESCO pool to develop project proposals.

**Education and Outreach**

- A New Construction workshop was conducted to educate project directors on the CDCR/IOU new construction incentives process.

3. **County of Los Angeles Energy Efficiency Partnership**

   **Program Description**

   The County of Los Angeles Partnership supports the energy reduction and environmental initiatives described in the Los Angeles County Energy and Environmental Plan, adopted in 2008, and the objectives of the California Long Term Energy Efficiency Strategic Plan. EE projects are focused on County-owned municipal buildings, and included lighting, HVAC, Retro-Commissioning, and Savings By Design new construction projects at each of the 38 County departments served by Energy Management (County Internal Services Department). Additional efforts with the County Office of Sustainability include:

   - Program support and coordination for Energy Upgrade California, and
   - Strategic Plan Solicitation activities that expand the County's Enterprise Energy Management Information System, allowing LA County to receive participating city data for analysis to help the cities manage energy usage better and to support identification of EE opportunities.

   **Strategies Implemented in 2013**

   **Administrative Successes**

   - Collaborated with LA County Internal Services Department (ISD) to capitalize on EE opportunities by working with representatives from the 38 County Departments served by ISD for energy management services. The Partnership worked with ISD, Public Works, and the Metropolitan Department of
Transportation on strategies to develop energy savings opportunities and strategic implementation forecasts.

**Retrofits**

- Completed Retro-Commissioning projects at two Department of Public Services District Offices, the County Probation Data Center, the Long Beach Health Center, the Pico Rivera Public Library, and the Montebello Public Library.
- Completed EE activities for new construction at Martin Luther King Jr. and UCLA Medical Centers.
- Completed pump replacement projects for County Public Works wells and booster stations.
- Through Partnership collaboration and teamwork, exceeded the original kWh goals set for 2013.

**Strategic Planning Support**

- Worked with the County to continue efforts started in 2011 for the Strategic Plan 5.6 Solicitation efforts. Substantial progress was made in 2013 toward completion of the two efforts approved: expansion of the LA County Enterprise Energy Management Information System (EEMIS) to over 40 local governments, and supporting SoCalRec with development of Guidebooks and Case Studies to disseminate information to local governments. Information was provided to enhance knowledge and provide reference materials in support of EE activities (such as Financing and Program Management). The website became operational and training commenced at the end of 2013.

**Core Program Coordination**

- Migrated local government data into EEMIS, with the support of SCE's IT Division, for training and use by the local governments in developing their EE activities.

**Education and Outreach**

- Made presentations to representatives from LA County departments to increase participation in partnership activities and to look for EE projects with deeper
savings opportunities. Participated in Local Government workshops to create awareness of LA County EEMIS.

- Conducted the first of several regional workshops and hosted webinars to explain the capabilities of LA County EEMIS to local government users and LA County department staff members.

4. **County Of Riverside Energy Efficiency Partnership**

**Program Description**

The County of Riverside Partnership is a collaboration with the Riverside County Economic and Development Agency and other County organizations, such as the Sheriff's Department, County Libraries, and the Riverside Regional Medical Center, in efforts to:

- Build an infrastructure that will deliver cost-effective EE projects, and
- Provide comprehensive outreach and EE education to the personnel of County departments and agencies.

The County is leading by example by being one of the first to establish a revolving EE loan fund as a mechanism to use EE incentives to fund additional energy efficiency projects. The Partnership has also worked to expand program offerings by looking into innovative approaches to implement Persistence Monitoring-Based Commissioning.

**Strategies Implemented in 2013**

**Administrative Successes**

- The County successfully funded projects out of the Energy Revolving Loan Fund that was established in 2011. This revolving loan fund receives new funding through EE and solar incentives from the utilities, which over time will increase available funding in addition to repayments from projects. In addition, three MBCx projects were identified in 2013 for 2014 implementation.
• The Riverside County Regional Medical Center's directive to implement projects with a payback period of one year or less was implemented as intended. In addition, the hospital has implemented hospital-wide lighting with SCE's assistance.

**Retrofits**

• The success of the Wings A and B Lighting Projects at the Riverside County Regional Medical Center and the realized savings from these projects prompted the hospital to continue implementation for the remaining Wings (C & D).

• Three MBCx projects were submitted for project approval and are scheduled to be completed in early 2014. This is a significant step for the county as the success experienced from these three projects will encourage the county to look at more retro-commissioning-type projects in more facilities. The three MBCx projects were implemented through SCE's third party program offerings.

• Additional exterior lighting projects and new construction projects were identified for the Riverside County Regional Medical Center.

**Strategic Planning Support**

• The County opted out of taking advantage of the strategic planning initiatives due to staffing issues. The County's project management office experienced layoffs due to continuing fiscal challenges.

**Core Program Coordination**

• Continued to integrate the Savings By Design program into the Partnership. Several new construction projects were completed and claimed energy savings in 2013.

**Education and Outreach**

• Met with the County project management office to discuss project opportunities and to press them to ensure inclusion of energy efficiency considerations into any projects with an energy component.
• Outreach to building maintenance managers was planned through the County's biannual maintenance managers' meeting with the County energy manager's office.

5. **County of San Bernardino Energy Efficiency Partnership**

**Program Description**

The County of San Bernardino Partnership is a collaborative effort with the County's Architectural and Engineering Department and other internal organizations to build an infrastructure that will deliver cost-effective EE projects and to provide comprehensive outreach and education to facility managers. The program team works closely with nine different departments within the County to learn their needs and develop strategies to address EE and demand response concerns for each department.

**Strategies Implemented in 2013**

**Administrative Successes**

• Held monthly Management Team meetings to discuss program status, project tracking and overall program implementation and coordination issues.

• Held regular Outreach Team meetings with project managers from various County departments to identify opportunities and provide information available on SCE resources and other core program offerings.

• Utilized technical support to better understand the operations of County facilities and worked with County Facility Management division to develop strategies to operate their buildings more efficiently. Identified simple EE measures such as parking lot lamps and control strategies that can be easily implemented across all departments. The County continued to evaluate its need to reduce operating costs.

• Met with the Project team to discuss project status and reviewed EE opportunities with other departments such as Facilities Management, Special District, Sheriff, IT, Library, and Fire.

• Met quarterly with County's project managers to get project updates and helped them identify EE opportunities.
Municipal Retrofits

- Completed a pump retrofit project at Spring Valley.

- Completed new construction projects at Baker Family Learning Center and Angelus Oaks Fire station.

- Completed West Valley Detention Center HVAC upgrades which resulted in County savings of an estimated $95,000 annually in operating costs.

Strategic Planning Support

- Assisted the County to hire utility manager for strategic planning initiative.

Core Program Coordination

- Continued to integrate the Savings By Design program and, where applicable, demand response opportunities into the Partnership.

Education and Outreach

- Educated County project managers and staff on the importance and value of EE, motivating them to look for opportunities to reduce operating costs by implementing EE projects and conservation practices.


Program Description

The State of California/IOU Partnership is a Statewide program designed to achieve immediate and long-term peak energy demand savings and establish a permanent framework for sustainable, comprehensive energy management programs at state facilities served by California's four large IOUs. This is accomplished by collaborating with the Department of General Services in establishing an Energy Service Company (ESCO) pool to help facilitate implementation of EE projects. In addition, the revival of the Department of Finance Energy $Mart program will provide financing for project opportunities. This level of engagement and establishment of infrastructure are important in achieving immediate results along with long-term sustainability.
Strategies Implemented in 2013

Administrative Successes

- With IOU support, the Department of General Services successfully completed establishing an ESCO pool for its Statewide Energy Retrofit Program and ensured that RFPs issued to the ESCOs included energy efficiency and utility incentives as an integral requirement for project proposals.

- The IOUs started attending the Sustainable Building Working Group, a State of California working group that consists of agency sustainability managers, with the task of planning and implementing all aspects of B18-12, the Governor's Executive Order. The IOUs attended in a supporting role to ensure that agency needs regarding energy data for benchmarking were met. The IOUs also used this platform for agency outreach.

- SCE continued its regional level approach to identifying EE opportunities rather than relying on the Department of General Services' Statewide Energy Retrofit Program for project sourcing. This regional approach relies on facility-level project contracting and implementation.

Retrofit Projects

- Completed lighting projects at both the Orange County Fairgrounds and LA County Fairgrounds.

- Successfully implemented the Summer Discount Plan in twelve 12 DMV offices.

- Completed a new construction project in 2013 at the Porterville Courthouse.

- Completed the new Porterville Developmental Center kitchen utilizing Savings By Design.

- Completed a lighting project for the California State Teachers Retirement Services.

- Completed a Department of General Services Field Office New Construction project.
Education and Outreach

- The IOUs conducted an ESCO training at the Department of General Services facility in West Sacramento. All ESCOs working with DGS on the Statewide Energy Retrofit Program attended and received training in the inclusion of IOU energy efficiency programs in their project development.

- The partnership team is working with the Department of General Services' Sustainability Task Force and the Sustainable Building Working Group to support the Governor's Executive Order by offering outreach and education support to the agencies to ensure sustainable support of the State of California's efforts.

- The partnership team is part of the Energy Policy Action Committee to contribute to the State's effort to garner agency support towards the Governor's Executive Order, B18-12.

7. UC/CSU Energy Efficiency Partnership

Program Description

The University of California (UC), California State University (CSU), and Investor-Owned Utility (IOU) Energy Efficiency Partnership is a unique, statewide EE program achieving cost-effective immediate and persistent peak energy savings and demand reduction. Moreover, it establishes a permanent framework for a sustainable, long-term, comprehensive energy management program at the 33 UC and CSU campuses served by California's four large IOUs (PG&E, SDG&E, SCE, and SoCalGas). The program employs four key strategies to meet its goals: EE retrofits, monitoring-based commissioning (MBCx), emerging technology demonstrations, and training and education. This multifaceted approach delivers comprehensive savings, fulfills key elements in UC and CSU sustainability policies, contributes to California's national leadership in EE and climate change, and supports the California Long Term Energy Efficiency Strategic Plan.
Strategies Implemented in 2013

Administrative Successes

- Continued to hold Partnership Management Team meetings every three weeks to conduct the business of the Partnership at the management level.

- Held quarterly Executive Team meetings to discuss overall program status and policy issues.

- Began implementation of the 2013-2014 Partnership Cycle, focusing on completing any remaining projects from the 2010-2012 cycle, working on newly identified projects, and meeting annual goals for 2013 project completion and achievement.

- Held joint Management and Executive Team meetings to begin preliminary talks about program plans, goals, and pipeline projects for the 2015 program cycle.

- Met with individual UC and CSU campuses to investigate opportunities that could be developed into projects for 2013-2014 implementations.

- Worked with campuses to enroll projects in the IOU On-Bill Financing programs.

- Worked with Savings By Design representatives to further integrate the new construction element into existing program management processes.

Retrofit Projects

- Completed 41 retrofit, MBCx, and New Construction projects at three UC campuses and five CSU campuses in SCE territory.

- Continued work with UC and CSU to develop a comprehensive pool of EE projects, and to integrate new construction projects into the pool, by identifying eligible projects and working with individual campus architects and designers to help facilitate the application and approval processes.

- Continued to implement an enhanced project tracking and scheduling approach, giving UC campuses more direct control and responsibility for project tracking.

- Targeted completion of projects that included sun-setting measures and/or would be subject to the new 2013 Title 24 code baseline in 2014.
• The CSU Chancellor's Office established a Special Repairs initiative, providing campuses with funding towards EE projects with costs of up to $100,000. This additional funding source allowed 12 new CSU projects in SCE's territory to pursue incentives through the Partnership.

**Education and Outreach**

• Held various workshops for campus faculty and staff members, including LEED for Healthcare, two Exceeding Title 24 workshops, two ASHRAE Level 1 Energy Auditing trainings, Building Operation Certification and Certified Energy Manager courses, and an Energy Performance Benchmarking Forum for New Construction projects.

• Held a UC/CSU Joint Energy Managers meeting as part of the CA Higher Education Sustainability Conference (CHESC) in UCSB, highlighting upcoming code changes, campus best practices, and Partnership program updates.

• Presented the Best Practices Awards to campuses at the CHESC, highlighting successful and cost-effective projects at campuses that implement green building technologies, sustainable design strategies, and energy-efficient operations.

• Created the Best Practices Case Studies to be published and distributed to various parties, promoting the Partnership's statewide successes.

• Created a new logo and promotional materials to be used in marketing efforts.

• Launched a newly designed website, incorporating the new logo and providing updated program content and specific documents for the 2013-2014 program cycle.

O. **Third Party Programs**

1. **Comprehensive Manufactured Homes**

   **Program Description**

   The Comprehensive Manufactured Homes (CMHP) Program is a direct install program designed to provide a comprehensive EE program to mobile home customers in
collaboration with local communities to maximize service to the citizens of their cities and towns. The program, implemented in coordination with Southern California Gas, provides installation of energy-efficient products in mobile home dwellings and the common areas of mobile home parks at no charge.

The target customers for this program are mobile homes and mobile home parks that are difficult to reach by other EE programs. These mobile home customers are typically moderate- or fixed-income, elderly, retired, and disabled individuals. The program is designed to enhance EE knowledge and program participation within this market segment.

**Strategies Implemented in 2013**

- Added new Window Evaporative Cooler, Efficient Fan Control, and Faucet Aerator measures to the program, improving program comprehensiveness.
- Increased collaboration with SCE Local Public Affairs and Partnership Programs to leverage relationships with city councils and mobile home communities.
- Worked with market actors including SoCalGas to increase program understanding and promote the program offering, driving increased participation.

2. **Cool Planet**

**Program Description**

The Cool Planet program is an education, marketing, and outreach program geared towards SCE business customers, implemented by SCE and The Climate Registry (Registry). The program's main objective is to promote EE as the most immediate and cost-effective means to reduce greenhouse gas emissions, and to help SCE and the state of California meet their EE goals by adding climate change mitigation to the marketing tool kit, which has traditionally focused on saving energy and saving money.

The program incentivizes and rewards business customers who participated in SCE's Integrated Demand Side Management (IDSM) programs with an energy and
carbon-management benefits package, which includes Registry membership (to help measure and manage GHG emissions), a publicity campaign to communicate environmental leadership and share successes with the public, and a Climate Efficient certificate. The assistance provided to help customers complete a high quality GHG inventory captures any energy and carbon reductions already made and further identifies new inefficiencies found within a customer's complete, operational GHG profile.

The Registry is a non-profit organization which represents California's (and most of North America's) official voluntary GHG Registry. The Registry assists its member organizations with making an accurate, comprehensive GHG inventory, offering technical help to do so, GHG accounting software, a best practices database, and a recognition program for members who set and achieve carbon reduction goals.

**Strategies Implemented in 2013**

- Recognized Cool Planet award program winners in Q4 in an Awards luncheon celebrating each awardee's achievement in GHG management leadership. The event was well-received by all the attendees, including the award recipients and local and state officials.

- Continued to educate staff and SCE customers on climate policies and mitigation strategies and best practices through presentations, distributed collateral, and monthly news alerts, and to include SCE's Local Government Partnerships. Local Governments who attained Gold, Silver, or Platinum Tier status were awarded the benefits of the Cool Planet program.

- Demand Response (DR) program participation was added as a new eligibility model to encourage customers who previously did not qualify under EE eligibility requirements to enroll in the program. An added benefit of adding this new eligibility was to encourage customers who previously have not participated in our DR programs to do so in order to receive Registry membership benefits.

- Added twenty new memberships to the program through the various marketing and outreach efforts.
3. **Healthcare EE Program**

**Program Description**

The Healthcare Energy Efficiency Program (HEEP) addresses the complex issue of this industry's hesitancy to adopt EE behaviors, initiate facility upgrades, and achieve significant energy savings cost-effectively. HEEP is a retrofit program that provides comprehensive EE services and establishes a permanent framework for a sustainable, long-term, comprehensive energy management program at healthcare facilities served by SCE.

**Strategies Implemented in 2013**

- Continued outreach with SCE account executives to provide customers with identification of eligible EE measures and support services through site assessments and on-site performance measurement.

- Engaged industry professionals, contractors, and other local industry trade groups and contacts in other Willdan Energy Solutions (WES)-managed healthcare programs.

- Shifted program emphasis away from lighting toward deeper retrofit opportunities through HVAC upgrades, retrocommissioning, and controls systems.

4. **Data Center Energy Efficiency**

**Program Description**

The Data Center Energy Efficiency Program (DCEEP) addresses the complex issues of this industry's hesitancy to adopt EE behaviors and initiate facility upgrades, and achieve significant energy savings cost-effectively. DCEEP is a comprehensive retrofit program targeting small, medium, and large data centers as well as IT-related facilities. The Program provides an integrated approach by delivering EE upgrades to IT equipment and optimizing cooling-related systems.
Strategies Implemented in 2013

- Continued outreach with SCE account executives to provide customers with identification of EE measures and support services through site assessments and on-site performance measurement.

- DCEEP provided a wide range of support services to data centers including energy assessments, engineering analysis, project implementation consulting, financial incentives, and coordination of other demand reduction activities (with SCE) to comprehensively address the needs of the targeted facilities.

- DCEEP was highly involved in local industry data center trade groups and leveraged industry contacts with data centers in other utility service territories who also operate data centers in SCE's service territory.

5. Lodging EE Program

Program Description

The Lodging Energy Efficiency Program (LEEP) is a comprehensive EE retrofit program that delivers multi-measure retrofits and retro-commissioning (RCx) to small, medium, and large lodging facilities. The Program provides an integrated approach to EE specifically tailored to the hotel and motel market segment as well as spas and resorts within the SCE service territory. The Program also seeks out Demand Response (DR) opportunities within this market segment.

Strategies Implemented in 2013

- Continued outreach with SCE account executives to provide customers with identification of eligible EE measures and support services through site assessments and on-site performance measurement.

- Engaged industry professionals through local industry groups and contacts in other Willdan Energy Solutions (WES)-managed lodging programs.
6. **Food & Kindred Products**

   **Program Description**

   The Food & Kindred Products program delivers energy savings and demand reduction by offering facility audits, design and technical assistance, and incentives for the installation of EE measures to qualifying customers served by SCE. The program targets facility owners in the food & kindred products industry, ranging from small to large food companies. The customers represent a broad spectrum of food producers, from bread and breakfast cereals and sugar producers.

   **Strategies Implemented in 2013**

   - Continued outreach with SCE account executives to provide customers with identification of eligible energy efficiency measures and support services through site assessments and on-site performance measurement.
   - Participated in trade shows such as Ag Tech, Con Edison Summit, and Young Professional Engineers.
   - Increased goals due to higher levels of participation.

7. **Primary and Fabricated Metals**

   **Program Description**

   The Primary and Fabricated Metals Program plans to deliver energy savings and demand reduction by offering facility audits, design and technical assistance, and incentives for the installation of EE measures to qualifying customers served by SCE. Target customers for the program include facilities in the primary and fabricated metals industry and industrial gas manufacturing facilities. Industrial gas is a group of gases that are commercially manufactured and sold for uses in other applications, mainly in industrial processes such as steelmaking, oil refining, medical applications, fertilizer, and semiconductors. They may be both organic and inorganic, are produced by extraction from the air by a process of separation or by chemical synthesis, and take various forms.
such as compressed, liquid, or solid. There are many facilities in the primary and fabricated metals industry in SCE's service territory.

**Strategies Implemented in 2013**

- Acquired enrollment of new industrial gas manufacturing facilities projects from the retiring Industrial Gases program. Opportunities for the segment were still deemed available and viable, but without enough volume to warrant its own program.

- Continued outreach with SCE account executives to provide customers with identification of eligible energy efficiency measures and support services through site assessments and on-site performance measurement.

- Participated in trade shows such as Ag Tech, Con Edison Summit, and Young Professional Engineers.

8. **Nonmetallic Minerals And Products**

   **Program Description**

   The Non-Metallic Minerals and Products (NMMP) Program is targeted at providing large industrial customers in this industry a cost-efficient process for improving their energy efficiency in electrical use. Among these customers are cement production plants or other non-metallic mineral miners or processors, aerospace or other transportation vehicle manufacturing, and wood or paper manufacturing. The program will provide comprehensive assistance in identifying and implementing improvements in the individual site.

   **Strategies Implemented in 2013**

- Continued outreach with presentations to trade groups, industry functions, and conferences serving local manufacturers.

- Continued outreach with SCE account executives to provide customers with identification of eligible energy efficiency measures and support services through site assessments and on-site performance measurement.
9. **Comprehensive Chemical Products**

**Program Description**

The Comprehensive Chemical Products Program delivers reliable electric energy savings and demand reduction for the chemical and allied products, transportation equipment manufacturing, and beverage industries throughout SCE's service territory. The program oversees activities from marketing and recruitment to installation, verification of EE measures, and incentive or rebate payment documentation. The program coordinates efforts of industrial end-users, vendors, trade associations, and utility personnel to overcome market barriers and maximize savings. It applies a comprehensive approach that optimizes energy savings and peak demand reduction while helping customers identify opportunities for demand response, reduced air pollutant and greenhouse gas emission, efficient water use, and distributed renewable generation.

**Strategies Implemented in 2013**

- Continued outreach with SCE account executives to provide customers with identification of eligible energy efficiency measures and support services through site assessments and on-site performance measurement.

- Continued to reach out to targeted trade associations as well as to attend industry functions and conferences that serve local manufacturers.

- Continued implementing actions from the Six-Sigma Kaizan work session, improving project processes.

10. **Comprehensive Petroleum Refining**

**Program Description**

The Comprehensive Petroleum Refining program (CPR) targets all the major petroleum refineries and petroleum product manufacturers in SCE's service territory to produce long-term, cost-effective electrical energy savings. The program achieves this goal by implementing a comprehensive set of calculated and deemed approaches to
address every major electric operation within the oil refining and petroleum manufacturing industry.

**Strategies Implemented in 2013**

- Continued outreach with SCE account executives to provide customers with identification of eligible energy efficiency measures and support services through audits and on-site performance measurement.

- Continued to reach out to targeted trade associations, industry functions, and conferences that serve local manufacturers.

- Continued implementation actions from six-sigma kaizen work session, improving project processes.

11. **Oil Production**

**Program Description**

The Oil Production (OP) program targets oil production facilities in SCE's service territory with the goal of producing long-term, cost-effective electrical energy savings by replacing or retrofitting existing motor and pumping systems with more efficient systems. The target market consists of independent oil producers and their production wells.

**Strategies Implemented in 2013**

- Continued outreach with SCE account executives to provide customers with identification of eligible EE measures and support services through site assessments and on-site performance measurement.

- Continued reaching out to target trade associations, industry functions, and conferences that serve local manufacturers.

- Continued to reach out to equipment manufacturers, dealers, installers, and the oil and gas production community through e-mail, phone calls, visits, and trade shows.
12. **Refinery Energy Efficiency Program**

**Program Description**

The Refinery Energy Efficiency Program (REEP) helps petroleum refineries achieve long-term, cost-effective electrical energy savings by promoting comprehensive retrofits and new construction projects for all industrial processes and process support systems, including various technologies (such as pumps and fans, motors and drives, etc.) that help optimize the energy usage in their refinery processes. The program also provides energy audit services to identify EE opportunities within a facility, and provides design assistance and financial incentives to customers.

**Strategies Implemented in 2013**

- Continued focus on completion of existing projects in the pipeline.
- Worked with SCE representatives to support existing customers in closing out all current activities.
- Program will be evaluate to determine need for two refinery programs in 2014.

13. **Cool Schools**

**Program Description**

The Cool Schools Program is designed to overcome cost constraints and trade-offs that would otherwise halt EE upgrades at public schools. In general, public schools considering EE measures face the dilemma of trading off between consuming a higher proportion of capital budgets on energy-efficient but more expensive equipment versus using more energy to power less efficient equipment that has a smaller purchase price. The Cool Schools Program targets schools that present the greatest potential for energy savings resulting from the purchase and installation of highly efficient cooling equipment. A key value of the program is the penetration of a difficult, hard-to-reach market sector for the installation of EE measures.
Strategies Implemented in 2013

- SCE customer account representatives collaborated with the implementer's Account Managers to discuss potential EE projects among K-12 schools and private colleges. The goal was to identify new customers' EE goals and discuss viable EE measures.

- Completed energy audits to be presented to school and district personnel to increase participation in the program.

- The Cool Schools Graduate Initiative was launched with a few school districts as the initial participants. The Initiative helps schools to identify energy savings potential through no touch/low touch audit analysis and thus help the schools develop energy action plans that could be further implemented. The Initiative was well received by the participating school districts as the program assisted in helping the districts meet the requirements of Proposition 39.

- Also reserved $3M OBF funding for schools to assist in financing the implementation of EE projects.

14. Commercial Utility Building Efficiency

Program Description

The Commercial Utility Building Efficiency targets privately owned commercial office buildings for an equipment incentive-centered plan enabling the program to introduce both EE and demand response measures that have traditionally had a low degree of commercial office market penetration. The program provides comprehensive energy audits and financial projections from in-house engineering staff, and the internal and external funding sources of the Energy Services Company (ESCO) model to a market where lack of capital has traditionally been a significant barrier to the upgrading of capital equipment. This allows for extended repayment periods, positive cash flows, and low-to-no net up-front cost. The program will also provide:

- Comprehensive EE services to commercial multi- and single-story office buildings on a first-come, first-served basis, and
• A complete turnkey program, overseeing all program activities from marketing and recruitment to installation and verification of EE and DR measures and incentive or rebate payment documentation.

Strategies Implemented in 2013

• Continued outreach with SCE account executives to provide customers with identification of eligible energy efficiency measures and support services through site assessments and on-site performance measurement.

• Identified high-energy-use retail space opportunities which are now included in the program.

• Worked with additional lighting and energy contractors to develop additional channels for marketing the program.

• Shifted focus from project development to bringing existing projects to completion.

• Explored retrocommissioning opportunities as a new set of offerings to the customer.

• Continued to bring awareness of the program to new and existing SCE representatives through internal communications and educational sessions.

15. Energy Efficiency for Entertainment Centers

Program Description

The Energy Efficiency for Entertainment Centers Program brings EE retrofits to movie theaters, movie companies, dinner theaters, arcades, bowling alleys, casinos, fitness centers, golf courses and country clubs, marinas, and skiing facilities. The Program delivers subsidized implementation of low-cost/no-cost HVAC, lighting, plug load, and refrigeration measures, and performs energy audits to identify all EE and demand response opportunities.
Program Strategies – 2013

A new RFP went out on Entertainment Centers in mid-2013 and the contract was awarded in late October 2013. Development of the Program Implementation Plan and marketing materials to engage customers did not start until January 2014.

16. Schools Energy Efficiency Program (SEEP) 2013

Program Description

The Schools Energy Efficiency Program brings EE retrofits to public school districts as well as private schools and universities. The program delivers subsidized implementation of no-cost lighting retrofit measures and performs energy audits to identify all EE and demand response opportunities. The program also offers energy efficiency education to school staff and student leadership upon request.

Program Strategies – 2013

- Outreached to schools and universities through partnership with SCE's account representatives.
- Built relationships with school district and university staff to create interest in program participation.
- Consulted with potential customers in ways to maximize utilization of the SEEP program while receiving full benefit of funding provided by Proposition 39.
- Distributed communications about SEEP to SCE representatives to educate and facilitate increasing customer referrals for the Program.
- Outreached to local Resource and Referral Agencies and LPCs and provided brochures to distribute to schools.
17. **IDEEA 365 Program**

**Program Description**

The intent of the statewide IDEEA 365 Program is to seek information from qualified firms to propose the design and implementation of their own innovative EE only or IDSM programs under SCE’s administration.

**Strategies Implemented in 2013**

- Released Stage 1 – Request for Abstract.
- Received 78 proposals and successfully moved 3 proposals into negotiations.
- Moved 9 proposals through to Stage 2 – Request for Proposal.
- Held statewide mid-term conference with third party stakeholders.
- Conducted statewide collaboration around future RFA and RFP development.

18. **IDSM Food Processing Pilot**

**Program Description**

The Integrated Demand Side Management (IDSM) Pilot for Food Processing Program is a non-resource program. Industry, trade allies, and other partners promote integrated energy management solutions to end-use customers in the food processing and refrigerated warehouse market segments.

The program's integrated approach combines audits for traditional measures, such as EE retrofits and upgrades, with strategies to assist customers in managing or reducing their energy demand during peak periods. By combining these approaches, the customer receives a comprehensive solution for managing energy costs. This helps SCE respond to peak energy demand.

While the program implementation focuses on EE, it also emphasizes integrated solutions in proper sequence (EE solutions followed by demand response solutions) to
support the most cost-effective and satisfactory energy and financial solutions for all customers. Each project receives a comprehensive DSM audit that provides recommendations on how to implement DSM and on the channels, trade allies, and specific SCE programs through which the measures will be installed.

**Strategies Implemented in 2013**

- Engaged in weekly conference calls with contractor.
- Utilized SCE Account Managers to promote pilot program.
- Working with Commercial and Industrial Third Party Implementers to help implement these audits.
- Utilized the Customer Authorized Agent (CAA) channel as another source for customers to use to implement proposed audits.
- Increased marketing outreach directly to customers through industry associations.
- Continued use of E-mail campaigns to reach prospective customers, and conducted more personalized one-on-one telephone and in-person meetings to pre-qualify customers for the program.
- Conducted 9 opportunity assessment interviews with customers which resulted in 6 on-site energy audits.

**19. Enhanced Retro-Commissioning**

**Program Description**

The primary objective of the program is to provide a comprehensive solution for IDSM through use of advanced analytic tools to identify Retro-Commissioning (RCx) opportunities in complex buildings including large commercial offices, hospitals, and resorts. These solutions will ensure that energy savings and demand reduction will persist over time. The technical services provided in the program will assist customers in identifying energy optimization opportunities in their qualifying facilities, and along with program incentives will encourage the implementation of qualifying energy saving and demand reduction measures.
**Strategies Implemented in 2013**

- The program was transitioned from an IDEEA 365 Program to a standalone program in 2013.
- Increased program outreach to implementers.
- Updated marketing collateral.
- Continued working with the implementer to focus on project development and completion.
- Identified new customer candidates for the program.

*Go on to the next page*
SECTION 1: ENERGY SAVINGS

In 2013, the following programs and program strategies were successfully implemented and contributed greatly to the portfolio energy savings results:

**Primary Lighting**

In 2013, the program surpassed its KWh, kW, and PPM targets and served the larger portfolio in achieving its goals. The program's success relied heavily on strategies to allocate upstream incentives in a way that used high-cost efficient measures to offset the growth of LEDs in the program. Processing improvements were employed, such as reducing invoices processed by requiring manufacturers to bundle multiple retailer shipments into one SCE invoice. The program also focused on hard-to-reach geographic areas and continued to widen the participating retailer base, improving inventory balance. The program featured a transition from ENERGY STAR Specification products to higher-grade products based on the California Quality LED Specifications.

---

The data shown in this Annual Report is based on SCE's *ex ante* savings, adjusted for actual installations, consistent with the *ex ante* values and processes adopted by the CPUC in D.11-07-030.
In–store signage displayed photos of various specialty bulbs and provided explanations as to their uses. This type of consumer education helped accelerate product sales by increasing choice awareness. A new sign was also developed featuring LED products as well. Incentives discounts were hassle-free for customers, which resulted in LEDs’ gaining market adoption when their regular prices were otherwise a cost barrier to many consumers.

**Commercial Calculated and Deemed Incentives Program**

In the past several years, the Commercial Calculated and Deemed incentive programs have been streamlined to provide continued support of IDSM activities with a customer-centric management approach to program delivery. In 2013, the new Comprehensive Bonus was launched in order to support more comprehensive projects with deeper savings potential. The Bonus provides an additional incentive to customers that install multiple technology types in the Custom or Deemed programs, participate in a Demand Response program, and/or implement Retrocommissioning measures.

While this program faced significant challenges in 2013 due to decreases in claimable energy savings and the complexity of the custom process, SCE focused on strategies to improve these offerings. For example, SCE transitioned eligible measures from the custom program to the deemed program to simplify the customer experience, and to reduce uncertainty and project time.

**Commercial Direct Install Program**

In 2013, the program achieved significant energy savings and made a substantial contribution to the portfolio's total energy savings by retrofitting approximately 16,00 small business customers. The program expanded its eligibility requirements, allowing small business customers up to 199 kW to participate in the program, and added new measures. Commercial Direct Install continued implementing a collaborative outreach effort with the SCE Business Customer Division (BCD), Local Public Affairs (LPA), and Partnerships to maximize program awareness and to stimulate greater participation. This collaborative effort continues to be a significant element in the success of the program.
Nonresidential HVAC Program

In 2013, the Quality Maintenance portion of the Nonresidential HVAC program launched an initiative to increase contractor support and reduce administrative burdens for contractors through streamlining application processes and improving software tools. As a result, the program was able to drive deeper energy savings with already-enrolled contractors. Meanwhile, the HVAC Emerging Technology portion of the program focused on supporting and engaging with existing key distributor partners through its upstream program design. The Emerging Technologies program utilizes a paperless online application that reduces administrative time and barriers to participation, allowing HVAC distributors to focus on upselling high-efficiency units. In addition, the program has been consistently implemented since 2009, which allows distributors to have continued confidence in the program and enables them to stock high-efficiency HVAC units months ahead of when the units will be sold and rebated.

In D.12-11-015, the Commission adopted the EE goals for the 2013-2014 program cycle. SCE’s portfolio is designed not only to meet the Commission’s portfolio goals for the 2013-2014 program cycle, but also to make significant progress towards the Commission’s long-term aspirational goals outlined in the California Long-Term Energy Efficiency Strategic Plan.
This section describes 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 EE is the utility sector's first and most cost-effective response to global climate change, and SCE is firmly committed to making major contributions to California's climate change commitments. As a result of such a commitment, SCE's programs are designed to maximize energy savings results and therefore are maximized to reduce greenhouse gas emissions. SCE's most successful programs and program strategies are described in detail in Section 1 above.

---

The data shown in this Annual Report is based on SCE's *ex ante* savings, adjusted for actual installations, consistent with the *ex ante* values and processes adopted by the CPUC in D.11-07-030.
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, SCE entered its results into the E3 Calculator tool and determined the amount of emission reductions attributed to the successful implementation of the 2013 portfolio of EE programs. These results are shown in the table above.

The following gives a brief explanation of the assumptions used in the calculations, including the emission rate used, gas combustion type, and net-to-gross:

The environmental benefits (annual and lifecycle CO2, NOx, and PM10 reductions) in this document are pursuant to the values adopted in D.05-04-024, as developed by Energy and Environmental Economics, Inc. (E3) and produced in their 2004 Report. In April 2010, the Commission issued D.10-04-029 which updated the price of CO2 to $30 per tonne.

E3 calculated the avoided environmental cost, or emissions costs, as the sum of NOx, PM10, and carbon emission (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 NOx costs ($/MWh) are based on California offset prices generators must pay for NOx emissions, and the estimated emission rate of NOx at the implied heat rate of the market price. The NOx 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, the assumption is that these prices already include the cost of NOx emissions so this value is equal to zero in Period 1.

- The PM10 costs ($/MWh) are computed similarly to the NOx 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 CO\textsubscript{2} costs ($/MWh) are valued at $30 per tonne, as prescribed in D.10-04-029.

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

The emission reduction values for SO\textsubscript{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, as developed by E3 and produced in their 2004 Report.

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 EE programs only and are currently applicable to the reporting of EE programs. The factors utilized in the development of these environmental benefits were agreed upon specifically to reflect an appropriate and approximate value for the reduced energy savings due to EE programs. As such, these environmental benefits should not be used in any other context and should also be reviewed for future use in EE program planning and evaluation.
For the description of SCE’s Partnership programs that were included in the portfolio in the past year, see the description of SCE’s 2013 Partnerships in Section II above. For descriptions of programs that were selected as part of the competitive bidding process, see the EE Program Overview — Third Party Program section of this report.

The data shown in this Annual Report is based on SCE’s ex ante savings, adjusted for actual installations, consistent with the ex ante values and processes adopted by the CPUC in D.11-07-030.
At the end of 2013, over 28 percent of SCE's 2013-2014 EE funding was procured through a competitive bid solicitation.

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.

- In response to SONGS impacts and SCE mitigation efforts, SCE leveraged our Partnerships to encourage and increase ISDM participation in SONGS-impacted areas. Activities included enhanced marketing and technical assistance for Partners. SCE conducted three DR-focused workshops throughout the SONGS mitigation area. These workshops served as a forum to educate and prepare these specific customers for upcoming summer DR events with the intent of increasing DR program knowledge and performance in Partner-owned facilities. SCE also provided Summer Readiness and Flex Alert toolkits to all Partners for distribution to their communities, and sent Demand Bidding Program participation reminders to all participating customers.

- With the advent of Proposition 39 implementation in the California Community College (CCC) System, SCE's Institutional Partnership Program provided extensive outreach and technical support services to districts in our service territory in support of their efforts to identify, develop, and implement projects funded through Proposition 39. These efforts were in coordination with the CCC Chancellor's Office Statewide Prop 39 Program which was developed to leverage the CCC/IOU Partnership. SCE's support of the CCC Prop 39 program began in mid-2013 and included hands-on services both from SCE's Business Customer Division and the CCC Partnership program team. Services included funding for enhanced outreach, project development, and technical support for 21 districts containing 43 campuses in the service territory. Technical support ensured that the loading order was observed, and that the most efficient energy efficiency measures were selected for projects, making them eligible for IOU incentives. This support has enabled full Prop 39 program participation of all districts in
SCE's service territory, helping to ensure the success of this important statewide initiative. Provision must now be made for incentive payments.

- Partners who proposed and were awarded Strategic Plan Support contracts for implementation of the Energy Efficiency Management Information System (EEMIS) experienced delays in completing work on these initiatives, as there was difficulty integrating utility data with the Partners' EEMIS system utilized by member local governments. SCE worked with the Partners on this issue to arrive at a solution that will fulfill the Partners' request for this effort.

- Some Partners were not able to complete projects because of economic hardships. Despite the available technical assistance and enhanced incentives, some local governments were not in a position to invest in EE projects.

Go on to the next page
SECTION 4: COST-EFFECTIVENESS

Table 4

This section provides a description of what each metric means in terms of the overall portfolio's progress in producing net resource benefits for California 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 difference (result) from subtracting the Total TRC costs from the Total Resource Benefits. The Total Resource Net Benefit 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 changes to the TRC test made in Decision 07-09-043.

The data shown in this Annual Report is based on SCE's ex ante savings, adjusted for actual installations, consistent with the ex ante values and processes adopted by the CPUC in D.11-07-030.
The Program Administrator Cost (PAC) Test 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 result of subtracting the Total PAC costs from the Total Resource Benefits, Net (RBn). The Total Resource Net Benefit 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 PAC Costs shown in the tables include the sum of the total program administrative and incentive costs.

The following provides a brief explanation of the assumptions used in the calculation, that is, incremental measure costs used and how rebates (transfers) were applied.

The cost-effectiveness tables provided in this report reflect a summary of the cost-effectiveness calculations developed for SCE's 2013 programs. These tables provide energy savings and program costs associated with activity in 2013.

Pursuant to Policy Rule IV.11., to the extent possible, the assumptions that are used to estimate load impacts (for example, 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 Efficient Resources (DEER) 2008 v2.05. For measures where the required load impacts for cost-effectiveness test inputs were not available in DEER, SCE has developed work papers that are approved in the process outlined in D.11-07-030.

**Units (Number and Definition)**

Measure of the unit counts are displayed as collected in program tracking databases during 2013. The definition of a unit is tailored to the specifications of each individual measure offered by a program.

**Energy and Capacity Savings (Per Unit and Total)**

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 2013 programs. The measure-level savings information used to calculate the 2013 program results are based upon estimates contained in DEER 2008 v2.05. If DEER does not contain an estimate, SCE's energy and capacity savings are documented in SCE's workpapers that are approved in the process outlined in D.11-07-030.

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 the 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 summer 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 summer on-peak period for the particular measure, as defined in D.06-06-063. All energy savings results are a total of the savings across all time periods.

**Net-to-Gross (NTG) Ratio**

Gross energy savings are considered to be the savings in energy and demand seen by the participant at the meter level. 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 net-to-gross ratio utilized in the report is taken from DEER 2008 v.2.05, as required by the Commission.
**Effective Useful Life (EUL)**

The EUL is the length of time (in years) for which the load impacts of an EE measure are expected to persist. Each of the EULs utilized in the report are taken from DEER 2008 v.2.05, as required by the Commission.

**Incremental Measure Cost (Per Unit and Total)**

These costs generally represent the incremental costs of EE measures over 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 relies upon DEER 2008 v2.05 for ex ante incremental measure cost values, as required by the Commission. If DEER does not contain an estimate, SCE's incremental measure costs are typically derived from a recent measure cost study and documented in SCE's work papers that are approved in the process outlined in D.11-07-030.

**Program Incentive Cost (Per Unit and Total)**

Incentive costs are the amount of incentives to be paid to customers during 2013. The incentive cost totals are based on 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 except incentive costs. The administrative costs consist of allocated administrative, labor, non-labor (that is, 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 2013 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 and 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.

The following explains 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 calculations pursuant to the direction of the Energy Efficiency Policy Manual, the avoided costs rulemaking (R.04-04-025), and recent Decisions related to EE cost-effectiveness, including D.06-06-063 and D.07-09-043.
SECTION 5: BILL PAYER IMPACTS

Table 5

<table>
<thead>
<tr>
<th>Ratepayer Impacts</th>
<th>Electric Average Rate</th>
<th>Gas Average Rate</th>
<th>Average First Year Bill Savings ($)</th>
<th>Average Lifecycle Bill Savings ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>$0.157</td>
<td>$0.000</td>
<td>$177.44</td>
<td>$1,374.65</td>
</tr>
</tbody>
</table>

| [1] SCE's average electric rate for bundled-service customers |
| [2] Average first year electric bill savings is calculated by multiplying an average electric rate with first year gross kWh energy savings. |
| [3] Average lifecycle electric bill savings is calculated by multiplying an average electric rate with lifecycle gross kWh energy savings. |

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

In 2013, SCE was authorized to collect $296 million (D.12-11-015) in rates to implement approved EE programs. Customer bills included the authorized collection on January 1, 2013, the program year began. Therefore, EE programs increase customer bills up front, as funds are collected to fund the EE programs. However, upon implementation, the programs lead to lower customer energy usage due to improvements in EE 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 on participating customers in 2013.

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

---

2 The data shown in this Annual Report is based on SCE's ex ante savings, adjusted for actual installations, consistent with the ex ante values and processes adopted by the CPUC in D.11-07-030.
benefits of the programs. The overall impact of SCE's programs is that customer bills will
decrease relative to the level of billing without the EE programs.

The following methodology was utilized for the calculation of bill impacts resulting from
the 2013 EE portfolio:

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

Go on to the next page
The following provides descriptions of the programs that contributed to Green Building Initiative (GBI) savings.


The Executive Order sets a goal of reducing energy use in state-owned buildings by 20 percent by 2015 (from a 2003 baseline) and encourages the private commercial sector to set the same goal. The order also directs compliance with the Green Building Action Plan, which details the measures the State will take to meet these goals.

SCE is committed to helping California meet the Governor's GBI goals. In 2013, SCE's programs have made significant contributions, as indicated in the table above.

---

8 The data shown in this Annual Report is based on SCE's ex ante savings, adjusted for actual installations, consistent with the ex ante values and processes adopted by the CPUC in D.11-07-030.
The following programs and/or subprograms contributed in 2013 towards GBI energy savings:

- Statewide Program For Residential Energy Efficiency
- Commercial Energy Efficiency Program
- Industrial Energy Efficiency Program
- Agriculture Energy Efficiency Program
- New Construction Program
- Residential & Commercial HVAC Program
- Energy Leader Partnership Program
- Institutional and Government Core Energy Efficiency Partnership
- Commercial Utility Building Efficiency
- Comprehensive Beverage Manufacturing and Resource Efficiency
- Comprehensive Chemical Products
- Comprehensive Petroleum Refining
- Cool Schools
- Data Center Energy Efficiency
- Food & Kindred Products
- Healthcare EE Program
- Lodging EE Program
- Monitoring-Based Commissioning
- Monitoring-Based Persistence Commissioning Program
- Nonmetallic Minerals and Products
- Primary and Fabricated Metals
• Private Schools and Colleges Program
• Public Pre-Schools, Elementary Schools and High Schools
• Retail Energy Action Program

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

SCE successfully implemented its EE programs in 2013 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 towards the GBI goals.
SECTION 7: SHAREHOLDER PERFORMANCE INCENTIVES

In September 2013, the Commission approved a new shareholder performance mechanism for the 2013-2014 energy efficiency program cycle. D.13-09-023 established a four-part incentive mechanism consisting of (1) a management fee set at 12% of utility expenditures in Codes and Standards, (2) a performance bonus capped at 1% and based on the utilities' performance during engineering review processes, (3) a management fee set at 3% of non-resource program expenditures, and (4) a resource savings incentive capped at 9% of resource expenditures. Resolution E-4633 approved SCE's incentive payment of $13.5 million, with a potential of $18.5 million for 2011 performance.
SECTION 8: SAVINGS BY END-USE

Table 8

<table>
<thead>
<tr>
<th></th>
<th>GWH</th>
<th>% of Total</th>
<th>MW</th>
<th>% of Total</th>
<th>MMTh</th>
<th>% of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>335</td>
<td>29.27%</td>
<td>56</td>
<td>29.23%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Appliances</td>
<td>33</td>
<td>2.84%</td>
<td>6</td>
<td>3.25%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Consumer Electronics</td>
<td>0</td>
<td>0.01%</td>
<td>0</td>
<td>0.00%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>HVAC</td>
<td>5</td>
<td>0.44%</td>
<td>4</td>
<td>2.28%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lighting</td>
<td>279</td>
<td>24.35%</td>
<td>37</td>
<td>18.95%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Pool Pump</td>
<td>4</td>
<td>0.34%</td>
<td>0</td>
<td>0.16%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Refrigeration</td>
<td>0</td>
<td>0.00%</td>
<td>0</td>
<td>0.00%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Water Heating</td>
<td>0</td>
<td>0.01%</td>
<td>0</td>
<td>0.01%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Other</td>
<td>15</td>
<td>1.29%</td>
<td>9</td>
<td>4.57%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Nonresidential</td>
<td>517</td>
<td>45.13%</td>
<td>92</td>
<td>47.87%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>HVAC</td>
<td>108</td>
<td>9.41%</td>
<td>20</td>
<td>10.23%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lighting</td>
<td>217</td>
<td>18.99%</td>
<td>43</td>
<td>22.23%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Office</td>
<td>10</td>
<td>0.85%</td>
<td>0</td>
<td>0.16%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Process</td>
<td>132</td>
<td>11.54%</td>
<td>18</td>
<td>9.55%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Refrigeration</td>
<td>26</td>
<td>2.27%</td>
<td>3</td>
<td>1.61%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Other</td>
<td>24</td>
<td>2.07%</td>
<td>8</td>
<td>4.08%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Energy Savings Assistance</td>
<td>31</td>
<td>2.71%</td>
<td>13</td>
<td>6.54%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Codes &amp; Standard Energy Savings</td>
<td>262</td>
<td>22.89%</td>
<td>32</td>
<td>16.37%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SCE Annual Portfolio Savings</td>
<td>1,145</td>
<td>100%</td>
<td>193</td>
<td>100%</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

[1] Results from activity installed in 2013 only.
[3] SCE’s Appliance Recycling program and rebates for energy efficient refrigerators are represented in the refrigeration end use.

The Commission's EE reporting requirements mandates that SCE submit regular reports to the Commission quantifying the accomplishments of the portfolio. One such requirement, reporting portfolio performance of energy savings and demand reduction by end use, as shown in

---

9 The data shown in this Annual Report is based on SCE's *ex ante* savings, adjusted for actual installations, consistent with the *ex ante* values and processes adopted by the CPUC in D.11-07-030.
the table above, is reported on a regular basis as part of SCE's monthly report. The table above illustrates the 2013 results, by end use, of SCE's portfolio of EE programs.

The 2013 Energy Savings Assistance program relies on the most up-to-date evaluation data in order to determine the program's effectiveness. Primarily, SCE relies upon the Impact Evaluation of the 2005 California Low Income Energy Efficiency Program Final Report, as it contains the latest and best available information for the energy savings and demand reduction associated with low income measures for this program cycle. In cases where SCE's program implemented measures that were not evaluated as part of the aforementioned study, the program used impact figures from the Impact Evaluation of the 2001 Statewide Low Income Energy Efficiency program and internally developed SCE workpapers. Together, these sources stemming from vetted and approved EM&V studies developed a robust set of information that SCE relied upon to report the energy savings and demand reduction associated with its Low Income programs.

Go on to the next page
SECTION 9: COMMITMENTS

Table 9

<table>
<thead>
<tr>
<th></th>
<th>2013 Committed Funds</th>
<th>Expected Energy Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE Total</td>
<td>$22,609,329</td>
<td>403</td>
</tr>
<tr>
<td></td>
<td></td>
<td>61</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$41,658,145</td>
<td>264</td>
</tr>
<tr>
<td></td>
<td></td>
<td>41</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
</tr>
</tbody>
</table>

Table 9: Commitments

The following programs had commitments that will be installed in 2014 and beyond:

- Residential New Construction
- Commercial Calculated Program
- Commercial Direct Install Program
- Commercial Deemed Incentives Program
- Savings by Design
- Industrial Calculated Energy Efficiency Program
- Industrial Deemed Energy Efficiency Program
- Agriculture Calculated Energy Efficiency Program
- Agriculture Deemed Energy Efficiency Program
- Emerging Technologies Program

---

10 The data shown in this Annual Report is based on SCE’s *ex ante* savings, adjusted for actual installations, consistent with the *ex ante* values and processes adopted by the CPUC in D.11-07-030.
- City of Long Beach Energy Leader Partnership
- City of Redlands Energy Leader Partnership
- City of Santa Ana Energy Leader Partnership
- City of Simi Valley Energy Leader Partnership
- Gateway Cities Energy Leader Partnership
- Community Energy Leader Partnership
- Desert Cities Energy Leader Partnership
- Orange County Cities Energy Leader Partnership
- San Gabriel Valley Energy Leader Partnership
- San Joaquin Valley Energy Leader Partnership
- South Bay Energy Leader Partnership
- South Santa Barbara County Energy Leader Partnership
- Ventura County Energy Leader Partnership
- Western Riverside Energy Leader Partnership
- City of Adelanto Energy Leader Partnership
- West Side Energy Leader Partnership
- California Community Colleges Energy Efficiency Partnership
- California Dept. of Corrections and Rehabilitation EE Partnership
- County of Los Angeles Energy Efficiency Partnership
- County of Riverside Energy Efficiency Partnership
- County of San Bernardino Energy Efficiency Partnership
- State of California Energy Efficiency Partnership
- UC/CSU Energy Efficiency Partnership

In 2013, the above mentioned programs secured commitments of over $64 million, over 400 gigawatt-hours of energy savings, and over 60 megawatts in demand reduction.

Explanations of how commitments are calculated and reported in the above tables, that is, showing where these commitments are from incentives only.
In 2013, SCE actively enrolled customers into EE programs. These programs work with customers at various stages in their decision-making process in order to influence them to implement energy-efficient choices. 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 measure. 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 summarize the energy savings and demand reduction committed to be installed by SCE customers.
Appendix A

Southern California Edison Programs for 2013
Appendix A contains the list of programs included in SCE's 2013 EE Portfolio, and the date the programs were added or removed, where applicable.

Table: Programs Included in SCE's 2013 EE Portfolio

<table>
<thead>
<tr>
<th>CPUC ID</th>
<th>Program Name</th>
<th>Date Added</th>
<th>Date Removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE-13-SW-001</td>
<td>California Statewide Program for Residential Energy Efficiency</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-001A</td>
<td>Energy Advisor Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-001B</td>
<td>Plug Load and Appliances Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-001C</td>
<td>Multifamily Energy Efficiency Rebate Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-001D</td>
<td>Energy Upgrade California</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-001E</td>
<td>Residential HVAC Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-001F</td>
<td>Residential New Construction Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-002</td>
<td>Statewide Commercial Energy Efficiency Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-002A</td>
<td>Commercial Energy Advisor Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-002B</td>
<td>Commercial Calculated Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-002C</td>
<td>Commercial Deemed Incentives Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-002D</td>
<td>Commercial Direct Install Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-002E</td>
<td>Commercial Continuous Energy Improvement Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-002F</td>
<td>Nonresidential HVAC Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-003</td>
<td>Statewide Industrial Energy Efficiency Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>CPUC ID</td>
<td>Program Name</td>
<td>Date Added</td>
<td>Date Removed</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>SCE-13-SW-003A</td>
<td>Industrial Energy Advisor Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-003B</td>
<td>Industrial Calculated Energy Efficiency Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-003C</td>
<td>Industrial Deemed Energy Efficiency Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-003D</td>
<td>Industrial Continuous Energy Improvement Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-004</td>
<td>Statewide Agriculture Energy Efficiency Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-004A</td>
<td>Agriculture Energy Advisor Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Pump Tests</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-004B</td>
<td>Agriculture Calculated Energy Efficiency Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-004C</td>
<td>Agriculture Deemed Energy Efficiency Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-004D</td>
<td>Agriculture Continuous Energy Improvement Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-005</td>
<td>Lighting Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-005A</td>
<td>Lighting Market Transformation Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-005B</td>
<td>Lighting Innovation Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-005C</td>
<td>Primary Lighting Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-006</td>
<td>Integrated Demand Side Management Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-007</td>
<td>Statewide Finance Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-007A</td>
<td>On-Bill Financing</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>CPUC ID</td>
<td>Program Name</td>
<td>Date Added</td>
<td>Date Removed</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>SCE-13-SW-007B</td>
<td>ARRA-Originated Financing</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-007C</td>
<td>New Finance Offerings</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-008</td>
<td>Codes and Standards Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-008A</td>
<td>Building Codes and Compliance Advocacy</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-008B</td>
<td>Appliance Standards Advocacy</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-008C</td>
<td>Compliance Improvement</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-008D</td>
<td>Reach Codes</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-008E</td>
<td>Planning and Coordination</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-009</td>
<td>Emerging Technologies Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-009A</td>
<td>Technology Development Support</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-009B</td>
<td>Technology Assessments</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-009C</td>
<td>Technology Introduction Support</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-010</td>
<td>Workforce Education &amp; Training</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-010A</td>
<td>WE&amp;T Centergies</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-010B</td>
<td>WE&amp;T Connections</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-SW-010C</td>
<td>LivingWise</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-001</td>
<td>Integrated Demand Side Management Pilot for Food Processing</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002</td>
<td>Energy Leader Partnership Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002Rollup</td>
<td>Energy Leader Partnership Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>CPUC ID</td>
<td>Program Name</td>
<td>Date Added</td>
<td>Date Removed</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>SCE-13-L-002A</td>
<td>City of Beaumont Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002B</td>
<td>City of Long Beach Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002C</td>
<td>City of Redlands Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002D</td>
<td>City of Santa Ana Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002E</td>
<td>City of Simi Valley Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002F</td>
<td>Gateway Cities Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002G</td>
<td>Community Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002H</td>
<td>Eastern Sierra Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002I</td>
<td>Energy Leader Partnership Strategic Support</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002J</td>
<td>Desert Cities Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002K</td>
<td>Kern County Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002L</td>
<td>Orange County Cities Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002M</td>
<td>San Gabriel Valley Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002N</td>
<td>San Joaquin Valley Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002O</td>
<td>South Bay Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>CPUC ID</td>
<td>Program Name</td>
<td>Date Added</td>
<td>Date Removed</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------------------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>SCE-13-L-002P</td>
<td>South Santa Barbara County Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002Q</td>
<td>Ventura County Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002R</td>
<td>Western Riverside Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002S</td>
<td>City of Adelanto Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002T</td>
<td>West Side Energy Leader Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-002U</td>
<td>Local Government Strategic Planning Pilot Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-003</td>
<td>Institutional and Government Core Energy Efficiency Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-003A</td>
<td>California Community Colleges Energy Efficiency Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-003B</td>
<td>California Dept. of Corrections and Rehabilitation EE Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-003C</td>
<td>County of Los Angeles Energy Efficiency Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-003D</td>
<td>County of Riverside Energy Efficiency Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-003E</td>
<td>County of San Bernardino Energy Efficiency Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-003F</td>
<td>State of California Energy Efficiency Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-L-003G</td>
<td>UC/CSU Energy Efficiency Partnership</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-001</td>
<td>Comprehensive Manufactured Homes</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-002</td>
<td>Cool Planet</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>CPUC ID</td>
<td>Program Name</td>
<td>Date Added</td>
<td>Date Removed</td>
</tr>
<tr>
<td>-----------</td>
<td>---------------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>SCE-13-TP-003</td>
<td>Healthcare EE Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-004</td>
<td>Data Center Energy Efficiency</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-005</td>
<td>Lodging EE Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-006</td>
<td>Food &amp; Kindred Products</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-007</td>
<td>Primary and Fabricated Metals</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-008</td>
<td>Nonmetallic Minerals and Products</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-009</td>
<td>Comprehensive Chemical Products</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-010</td>
<td>Comprehensive Petroleum Refining</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-011</td>
<td>Oil Production</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-012</td>
<td>Refinery Energy Efficiency Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-013</td>
<td>Cool Schools</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-014</td>
<td>Commercial Utility Building Efficiency</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-017</td>
<td>Energy Efficiency for Entertainment Centers</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-018</td>
<td>School Energy Efficiency Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-019</td>
<td>Sustainable Communities</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-020</td>
<td>IDEEA365 Program</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
<tr>
<td>SCE-13-TP-021</td>
<td>Enhanced Retrocommissioning</td>
<td>1/1/2013</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Appendix B

SCE's Final December Monthly Report for 2013

Appendix B

SCE’s Notice of Availability for Related Documents Available for Viewing and Downloading on the CPUC’s EESTATS Website:

http://eestats.cpuc.ca.gov
NOTICE OF AVAILABILITY OF SOUTHERN CALIFORNIA EDISON (U 338-E) POSTING OF 2014 ENERGY EFFICIENCY PROGRAMS ANNUAL REPORT SUPPORTING DOCUMENTS

Pursuant to the Administrative Law Judge’s Ruling Adopting Annual Reporting Requirements for Energy Efficiency and Addressing Related Reporting Issues dated August 8, 2007, Southern California Edison Company (SCE) hereby provides notice to the service lists in proceedings R.09-11-014, and R.13-11-005 that the following documents are available for viewing and downloading on the CPUC’s Energy Efficiency Statistics Application (EESTATS) website:1

- Appendix C - 2012 Joint IOU Workforce Education & Training Annual Report
- Appendix D - Part 1 - SCE’s Narratives for Approved Program Performance Metrics
- Appendix D - Part 2 - SCE’s Reporting Tables for Approved Program Performance Metrics
- Appendix D - Part 3 - Joint IOU Master Program Performance Metric Table2
- Appendix D - Part 4 - SCE Reporting and Narratives for Approved Pilot Program Targets

Additionally, SCE hereby provides notice to the above-referenced service list that SCE’s information regarding its Workforce, Education and Training (WE&T) Program for 2013 is included in the

---

1 Available at http://eestats.cpuc.ca.gov
2 Joint Master PPM Table will be uploaded by PG&E on EESTATS by May 15, 2014.
Joint IOU WE&T Program Annual Report will be uploaded by Southern California Gas Company on behalf of the IOUs to the EESTATS website. This report will be available on the date of this filing, May 1, 2014.

Respectfully submitted,

JANET COMBS
MONICA GHATTAS

/s/ Monica Ghattas
By: Monica Ghattas

Attorneys for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Telephone: (626) 302-3623
Facsimile: (626) 302-6693
E-mail: monica.ghattas@sce.com

May 1, 2014
BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA


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) 2014 ANNUAL REPORT FOR ENERGY EFFICIENCY PROGRAMS on all parties identified on the attached service lists R.13-11-005 and R.09-11-014. 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.

☐ Placing the copies in sealed envelopes and causing such envelopes to be delivered by hand or by overnight courier to the offices of the Commissioner(s) or other addressee(s).

☒ Placing copies in properly addressed sealed envelopes and depositing such copies in the United States mail with first-class postage prepaid to all parties for those listed on the attached non-email list.

Executed May 1, 2014, at Rosemead, California.

/S/ Melissa Hernandez
Melissa Hernandez
Project Analyst
SOUTHERN CALIFORNIA EDISON COMPANY
2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
CALIFORNIA PUBLIC UTILITIES COMMISSION
Service Lists

PROCEEDING: R1311005 - CPUC - OIR CONCERNING
FILER: CPUC
LIST NAME: LIST
LAST CHANGED: APRIL 29, 2014

DOWNLOAD THE COMMA-DELIMITED FILE
ABOUT COMMA-DELIMITED FILES

Back to Service Lists Index

Parties

ANGELA HACKER                             CHARLIE BUCK
COUNTY OF SANTA BARBARA                   CALIF. CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY                                EMAIL ONLY
EMAIL ONLY, CA  00000                     EMAIL ONLY, CA  00000
FOR: COUNTY OF SANTA BARBARA, EMPOWER     FOR: CALIFORNIA CENTER FOR SUSTAINABLE ENERGY

LARA ETTENSON                             SHALINI SWAROOP
NATURAL RESOURCES DEFENSE DOUNCIL         MARIN CLEAN ENERGY
EMAIL ONLY                                EMAIL ONLY
EMAIL ONLY, CA  00000                     EMAIL ONLY, CA  00000
FOR: NATURAL RESOURCES DEFENSE COUNCIL    FOR: MARIN CLEAN ENERGY
(NRDC)

SHANDRA (TIGER) ADOLF                     SETH FRADER-THOMPSON
DIR - PROGRAM DESIGN / MKT DEVELOPMENT    PRESIDENT
BUILDING PERFORMANCE INSTITUTE, INC.      ENERGYHUB, INC.
EMAIL ONLY                                232 3RD STREET, STE. C-201
EMAIL ONLY, CA  00000                     BROOKLYN, NY  11215
FOR: BUILDING PERFORMANCE INSTITUTE,      FOR: ENERGYHUB (A DIVISION OF ALARM.COM)
INC. (BPI)

DONALD GILLIGAN                           JUSTIN SEGALL
PRESIDENT                                  FOUNDER & EXECUTIVE VICE PRESIDENT
NATI'L ASSN. OF ENERGY SVC. COMPANIES       SIMPLE ENERGY
1615 M STREET, NW                          1215 SPRUCE ST., STE. 301
WASHINGTON, DC  20036                     BOULDER, CO  80302-4839
<table>
<thead>
<tr>
<th>FOR: NATIONAL ASSOCIATION OF ENERGY SERVICE COMPANIES (NAESCO)</th>
<th>FOR: SIMPLE ENERGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEVEN D. PATRICK</td>
<td>HOWARD CHOY</td>
</tr>
<tr>
<td>SENIOR COUNSEL</td>
<td>G.M., OFFICE OF SUSTAINABILITY</td>
</tr>
<tr>
<td>SOUTHERN CALIFORNIA GAS COMPANY</td>
<td>COUNTY OF LOS ANGELES</td>
</tr>
<tr>
<td>555 WEST 5TH STREET, GT14E7</td>
<td>1100 NORTH EASTERN AVENUE</td>
</tr>
<tr>
<td>LOS ANGELES, CA 90013-1011</td>
<td>LOS ANGELES, CA 90063-3200</td>
</tr>
<tr>
<td>FOR: SOUTHERN CALIFORNIA GAS COMPANY</td>
<td>FOR: COUNTY OF LOS ANGELES, OFFICE OF SUSTAINABILITY / SOUTHERN CALIFORNIA REGIONAL ENERGY NETWORK</td>
</tr>
<tr>
<td>MONICA GHATTAS</td>
<td>FREDERICK M. ORTLIEB</td>
</tr>
<tr>
<td>ATTORNEY</td>
<td>DEPUTY CITY ATTORNEY</td>
</tr>
<tr>
<td>SOUTHERN CALIFORNIA EDISON COMPANY</td>
<td>CITY OF SAN DIEGO</td>
</tr>
<tr>
<td>2244 WALNUT GROVE AVE. / PO BOX 800</td>
<td>1200 THIRD AVENUE, 11TH FLOOR</td>
</tr>
<tr>
<td>ROSEMED, CA 91770</td>
<td>SAN DIEGO, CA 92101-4100</td>
</tr>
<tr>
<td>FOR: SOUTHERN CALIFORNIA EDISON COMPANY</td>
<td>FOR: CITY OF SAN DIEGO</td>
</tr>
<tr>
<td>SACHU CONSTANTINE</td>
<td>THOMAS R. BRILL</td>
</tr>
<tr>
<td>DIRECTOR OF POLICY</td>
<td>SR COUNSEL &amp; DIRECTOR</td>
</tr>
<tr>
<td>CALIFORNIA CENTER FOR SUSTAINABLE ENERGY</td>
<td>SAN DIEGO GAS &amp; ELECTRIC COMPANY</td>
</tr>
<tr>
<td>9325 SKY PARK COURT, SUITE 100</td>
<td>8330 CENTURY PARK CT., CP32E</td>
</tr>
<tr>
<td>SAN DIEGO, CA 92123</td>
<td>SAN DIEGO, CA 92123-1530</td>
</tr>
<tr>
<td>FOR: CALIFORNIA CENTER FOR SUSTAINABLE ENERGY</td>
<td>FOR: SAN DIEGO GAS &amp; ELECTRIC COMPANY</td>
</tr>
<tr>
<td>GEORGE ODERO</td>
<td>TREVOR KEITH</td>
</tr>
<tr>
<td>ENERGYWISE ENG'RING &amp; TECH. CONSULTING</td>
<td>COUNTY OF SAN LUIS OBISPO</td>
</tr>
<tr>
<td>3298 GOVERNOR DRIVE, STE. 22496</td>
<td>976 OSOS STREET</td>
</tr>
<tr>
<td>SAN DIEGO, CA 92192</td>
<td>SAN LUIS OBISPO, CA 93408</td>
</tr>
<tr>
<td>FOR: ENERGYWISE ENGINEERING AND TECHNICAL CONSULTING (EETC)</td>
<td>FOR: COUNTY OF SAN LUIS OBISPO</td>
</tr>
<tr>
<td>ELIZABETH KLEBANER</td>
<td>MATTHEW PLANTE</td>
</tr>
<tr>
<td>ADAMS BROADWELL JOSEPH &amp; CARDOZO</td>
<td>BIDGELY, INC.</td>
</tr>
<tr>
<td>601 GATEWAY BLVD., STE. 1000</td>
<td>298 SOUTH SUNNYVALE AVENUE, STE. 205</td>
</tr>
<tr>
<td>SOUTH SAN FRANCISCO, CA 94080</td>
<td>SUNNYVALE, CA 94098</td>
</tr>
<tr>
<td>FOR: CALIFORNIA CONSTRUCTION INDUSTRY</td>
<td>FOR: BIDGELY, INC.</td>
</tr>
<tr>
<td>LABOR MANAGEMENT CORPORATION TRUST</td>
<td></td>
</tr>
<tr>
<td>CHRISTOPHER CLAY</td>
<td>JEANNE M. SOLE</td>
</tr>
<tr>
<td>CALIF PUBLIC UTILITIES COMMISSION</td>
<td>DEPUTY CITY ATTORNEY</td>
</tr>
<tr>
<td>LEGAL DIVISION</td>
<td>CITY AND COUNTY OF SAN FRANCISCO</td>
</tr>
<tr>
<td>ROOM 4300</td>
<td>1 DR. CARLTON B. GOODLETT PLACE, RM. 234</td>
</tr>
<tr>
<td>505 VAN NESS AVENUE</td>
<td>SAN FRANCISCO, CA 94102-4682</td>
</tr>
<tr>
<td>SAN FRANCISCO, CA 94102-3214</td>
<td>FOR: CITY AND COUNTY OF SAN FRANCISCO</td>
</tr>
<tr>
<td>FOR: ORA</td>
<td></td>
</tr>
<tr>
<td>EDDIE H. AHN</td>
<td>HAYLEY GOODSON</td>
</tr>
<tr>
<td>BRIGHTLINE DEFENSE PROJECT</td>
<td>STAFF ATTORNEY</td>
</tr>
<tr>
<td>1028A HOWARD STREET</td>
<td>THE UTILITY REFORM NETWORK</td>
</tr>
<tr>
<td>SAN FRANCISCO, CA 94103</td>
<td>785 MARKET ST., STE. 1400</td>
</tr>
<tr>
<td>FOR: BRIGHTLINE DEFENSE PROJECT</td>
<td>SAN FRANCISCO, CA 94103</td>
</tr>
<tr>
<td></td>
<td>FOR: THE UTILITY REFORM NETWORK (TURN)</td>
</tr>
</tbody>
</table>
EVELYN KAHL  
ATTORNEY AT LAW  
ALCANTAR & KAHL, LLP  
33 NEW MONTGOMERY ST., STE. 1850  
SAN FRANCISCO, CA 94105  
FOR: ENERGY PRODUCERS AND USERS COALITION

MARY A. GANDESBERY  
ATTORNEY  
PACIFIC GAS & ELECTRIC COMPANY  
77 BEALE STREET, MSB30A / PO BOX 7442  
SAN FRANCISCO, CA 94105  
FOR: PACIFIC GAS & ELECTRIC COMPANY

NORA SHERIFF  
ALCANTAR & KAHL  
33 NEW MONTGOMERY ST., STE. 1850  
SAN FRANCISCO, CA 94105  
FOR: CALIFORNIA LARGE ENERGY CONSUMERS ASSOCIATION (CLECA)

BRIAN T. CRAGG  
ATTORNEY  
GOODIN, MACBRIDE, SQUERI, DAY & LAMPREY  
505 SANSOME STREET, SUITE 900  
SAN FRANCISCO, CA 94111  
FOR: INDEPENDENT ENERGY PRODUCERS ASSOCIATION (IEPA)

SAMUEL P. KRASNOW  
V.P. - REGULATORY AFFAIRS  
FIRSTFUEL SOFTWARE, INC.  
ONE EMBARCADERO CENTER, SE. 1150  
SAN FRANCISCO, CA 94111  
FOR: FIRSTFUEL SOFTWARE, INC.

DAVID WOLPA  
DIR - CLIENT SOLUTIONS  
ENERGYSAVFY  
672 CHURCH STREET  
SAN FRANCISCO, CA 94114  
FOR: ENERGYSAVVY

GERALD LAHR  
ENERGY PROGRAMS MGR.  
ASSOCIATION OF BAY AREA GOVERNMENTS  
101 8TH ST.  
OAKLAND, CA 94607  
FOR: SAN FRANCISCO BAY AREA REGIONAL ENERGY NETWORK (SFBAREN)

ORI SKLOOT  
INTERIM EXE. DIR.  
EFFICIENCY FIRST CALIFORNIA (EF CA)  
1000 BROADWAY SUITE 435  
OAKLAND, CA 94607  
FOR: CALIFORNIA BUILDING PERFORMANCE CONTRACTORS ASSOCIATION DBA EFFICIENCY FIRST CALIFORNIA (EF CA)

JERRY LAHR  
PROGRAM MANAGER  
ABAG POWER  
101 EIGHT STREET  
OAKLAND, CA 94607-4756  
FOR: ASSOCIATION OF BAY AREA GOVERNMENTS (ABAG)

JODY LONDON  
JODY LONDON CONSULTING  
PO BOX 3629  
OAKLAND, CA 94609  
FOR: LOCAL GOVERNMENT SUSTAINABLE ENERGY COALITION (LGSEC)

BRUCE MAST  
DIR OF PROGRAMS  
BUILD IT GREEN  
1330 BROADWAY. STE 1702  
OAKLAND, CA 94612  
FOR: BUILD IT GREEN (BIG)

MARGIE GARDNER  
EXECUTIVE DIRECTOR  
CAL. ENERGY EFFICIENCY INDUSTRY COUNCIL  
436 14TH STREET, SUITE 1020  
OAKLAND, CA 94612  
FOR: CALIFORNIA ENERGY EFFICIENCY INDUSTRY COUNCIL (CEICE)

VIEN TROUNG  
ENVIRONMENTAL EQUITY DIRECTOR  
THE GREENLINING INSTITUTE  
1918 UNIVERSITY AVENUE, 2ND FLOOR  
BERKELEY, CA 94704  
FOR: THE GREENLINING INSTITUTE

MATTHEW O'KEEFE  
OPower  
760 MARKET STREET, 4TH FLOOR  
SAN FRANCISCO, CA 94920  
FOR: OPower
MAHLON ALDRIDGE                           KELLY FOLEY
VP - STRATEGIC DEVELOPMENT                SONOMA CLEAN POWER
ECOLOGY ACTION OF SANTA CRUZ              50 OLD COURTHOUSE SQ., STE. 605
877 CEDAR STREET, STE. 240                SANTA ROSA, CA  95404
SANTA CRUZ, CA  95060-3938                FOR: SONOMA CLEAN POWER
FOR: ECOLOGY ACTION OF SANTA CRUZ

MELANIE GILLETTE                          ERIC EISENHAMMER
WESTERN REGULATORY AFFAIRS                 COALITION OF ENERGY USERS
ENERNOC, INC.                             4010 FOOTHILLS BLVD., STE 103 NO. 115
115 HAZELMERE DRIVE                       ROSEVILLE, CA  95747
FOLSOM, CA  95630                         FOR: COALITION OF ENERGY USERS
FOR: ENERNOC, INC.

JIM HAWLEY                                JOHN LARREA
DEWEY SQUARE GROUP, LLC                   CALIFORNIA LEAGUE OF FOOD PROCESSORS
1020 16TH STREET, SECOND FLOOR            1755 CREEKSIDE OAKS DRIVE, STE 250
SACRAMENTO, CA  95814                     SACRAMENTO, CA  95833
FOR: MISSION: DATA                        FOR: CALIFORNIA LEAGUE OF FOOD
FOR: MISSION: DATA
PROCESSORS

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

Information Only

PETER CAVAN                                ALLAN LEE
PULSE ENERGY                               EXEC. DIR., ENERGY SERVICES DIVISION
EMAIL ONLY                                CADMUS
EMAIL ONLY, BC  000 000                     EMAIL ONLY
CANADA                                    EMAIL ONLY, OR  00000

ALLAN RAGO                                 ANDRA PLIGAVKO
QUALITY CONSERVATION SERVICES, INC.        EMAIL ONLY
EMAIL ONLY                                EMAIL ONLY, CA  00000
EMAIL ONLY, CA  00000

ARLEEN NOVOTNEY                            BARBARA BARKOVICH
ACCESS / SCF                                BARKOVICH & YAP
EMAIL ONLY                                 EMAIL ONLY
EMAIL ONLY, CA  00000                       EMAIL ONLY, CA  00000

BECKIE MENTEN                              CAROLINE CHEN
EFFICIENCY COORDINATOR                     EMAIL ONLY
MARIN CLEAN ENERGY                         EMAIL ONLY, CA  00000
EMAIL ONLY
EMAIL ONLY, CA  00000
CASE COORDINATION
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA  00000

CATHIE A. ALLEN
PACIFICORP
EMAIL ONLY
EMAIL ONLY, CA  00000

CORINNE M. SIERZANT
SOUTHERN CALIFORNIA GAS COMPANY
EMAIL ONLY
EMAIL ONLY, CA  00000

DAVID NEMTZW
NEMTZOW & ASSOCIATES
EMAIL ONLY
EMAIL ONLY, CA  00000

ELIZABETH KELLY
LEGAL DIRECTOR
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY, CA  00000

GREG WIKLER
ENERNOC, INC.
EMAIL ONLY
EMAIL ONLY, CA  00000

JEAN SHELTON
ITRON
EMAIL ONLY
EMAIL ONLY, CA  00000

JEFF BUMGARNER
PACIFICORP
EMAIL ONLY
EMAIL ONLY, OR  00000

JENNIFER BERG
BAYREN PROJECT MANAGER
ASSOCIATION OF BAY AREA GOVERNMENTS
EMAIL ONLY
EMAIL ONLY, CA  00000

JEREMY WAEN
REGULATORY ANALYST
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY, CA  00000

JESSICA COHEN
MANAGEMENT FOLLOW/PROGRAM MANAGER
L.A.COUNTY OFFICE OF SUSTAINABILITY
EMAIL ONLY
EMAIL ONLY, CA  00000

JOHN CAVALLI
ITRON
EMAIL ONLY
EMAIL ONLY, CA  00000

KATY ROSENBERG
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY, CA  00000

KRIS BRADLEY
ITRON
EMAIL ONLY
EMAIL ONLY, CA  00000

LISA ROMNEY
ROCKEY MOUNTAIN POWER
EMAIL ONLY
EMAIL ONLY, UT  00000

MICHELLE MISHOE
PACIFICORP
EMAIL ONLY
EMAIL ONLY, CA  00000

MIKE CADE
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY, CA  00000

MIKE RUFO
ITRON
EMAIL ONLY
EMAIL ONLY, CA  00000

MISI BRUCERI
MISTI BRUCERI & ASSOCIATES, LLC
EMAIL ONLY
EMAIL ONLY, CA  00000

NIKHIL GANDHI
EMAIL ONLY
EMAIL ONLY, CA  00000
RACHEL HARCHARIK
ITRON
EMAIL ONLY
EMAIL ONLY, CA 00000

RICARDO AMON
FOOD INDUSTRY ENERGY SPECIALIST
CALIF. INST. OF FOOD & AGRI. RESEARCH
UC - DAVIS
EMAIL ONLY
EMAIL ONLY, CA 00000

SEPHRA A. NINOW
REGULATORY AFFAIRS MGR.
CALIFORNIA CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

SHARYN BARATA
ITRON
EMAIL ONLY
EMAIL ONLY, CA 00000

KAREN TERRANOVA
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

RUTH HUPART
1220 19TH STREET, NW, STE. 800
WASHINGTON, DC 20036

RACHEL HOLMES
APPLIANCES RECYCLING CENTER OF AM., INC.
7400 EXCELSIOR BLVD.
MINNEAPOLIS, MN 55426

JACK CAMERON
PRESIDENT
APPLIANCES RECYCLING CENTERS OF AM., INC
7400 EXCELSIOR BLVD
MINNEAPOLIS, MN 55426-4517

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

ANDREW STEINBERG
REGULATORY POLICY & REPORTING MGR.
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT19A7
LOS ANGELES, CA 90013

JEFF SALAZAR
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT14D6
LOS ANGELES, CA 90013

KAREN TERRANOVA
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

RUTH HUPART
1220 19TH STREET, NW, STE. 800
WASHINGTON, DC 20036

RACHEL HOLMES
APPLIANCES RECYCLING CENTER OF AM., INC.
7400 EXCELSIOR BLVD.
MINNEAPOLIS, MN 55426

JACK CAMERON
PRESIDENT
APPLIANCES RECYCLING CENTERS OF AM., INC
7400 EXCELSIOR BLVD
MINNEAPOLIS, MN 55426-4517

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

ANDREW STEINBERG
REGULATORY POLICY & REPORTING MGR.
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT19A7
LOS ANGELES, CA 90013

JEFF SALAZAR
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT14D6
LOS ANGELES, CA 90013

KAREN TERRANOVA
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

RUTH HUPART
1220 19TH STREET, NW, STE. 800
WASHINGTON, DC 20036

RACHEL HOLMES
APPLIANCES RECYCLING CENTER OF AM., INC.
7400 EXCELSIOR BLVD.
MINNEAPOLIS, MN 55426

JACK CAMERON
PRESIDENT
APPLIANCES RECYCLING CENTERS OF AM., INC
7400 EXCELSIOR BLVD
MINNEAPOLIS, MN 55426-4517

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

ANDREW STEINBERG
REGULATORY POLICY & REPORTING MGR.
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT19A7
LOS ANGELES, CA 90013

JEFF SALAZAR
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT14D6
LOS ANGELES, CA 90013
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lena Luna</td>
<td>SBESC</td>
<td>20285 S. Western Ave., STE. 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Torrance, CA 90501</td>
</tr>
<tr>
<td>Gregory S.G. Klatt</td>
<td>Attorney</td>
<td>21700 Oxnard St., STE. 1030</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Woodland Hills, CA 91367-8102</td>
</tr>
<tr>
<td>Case Administration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Southern California Edison Company</td>
<td></td>
<td>2244 Walnut Grove Avenue, PO Box 800</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rosemead, CA 91770</td>
</tr>
<tr>
<td>Janet Combs</td>
<td>SR. ATTORNEY</td>
<td>SOUTHERN CALIFORNIA EDISON COMPANY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2244 Walnut Grove Avenue</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rosemead, CA 91770</td>
</tr>
<tr>
<td>Annlyn M. Faustino</td>
<td>REGULATORY CASE ANALYST &amp; SUPPORT</td>
<td>8330 Century Park Court, CP31E</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Diego, CA 92123</td>
</tr>
<tr>
<td>Central Files</td>
<td></td>
<td></td>
</tr>
<tr>
<td>San Diego Gas and Electric Company</td>
<td></td>
<td>8330 Century Park CT, CP31-E</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Diego, CA 92123-1530</td>
</tr>
<tr>
<td>Joy C. Yamagata</td>
<td>REGULATORY MANAGER</td>
<td></td>
</tr>
<tr>
<td>San Diego Gas &amp; Electric/Socalgas</td>
<td></td>
<td>8330 Century Park Court, CP 32 D</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Diego, CA 92123-1530</td>
</tr>
<tr>
<td>Athena Besa</td>
<td>CUSTOMER PROGRAMS &amp; POLICY MANAGER</td>
<td>8335 Century Park Court, CP12H</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Diego, CA 92123-1569</td>
</tr>
<tr>
<td>Jeff Hirsch</td>
<td>JAMES J. HIRSCH &amp; ASSOCIATES</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>12185 Presilla Road</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Santa Rosa Valley, CA 93012-9243</td>
</tr>
<tr>
<td>Paul Kerkorian</td>
<td>ATTORNEY AT LAW</td>
<td>6475 N Palm Ave., STE. 105</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fresno, CA 93704</td>
</tr>
<tr>
<td>Ann Kelly</td>
<td>DEPARTMENT OF THE ENVIRONMENT</td>
<td></td>
</tr>
<tr>
<td>City &amp; County of San Francisco</td>
<td></td>
<td>1145 Market Street, Suite 1200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Francisco, CA 94103</td>
</tr>
<tr>
<td>Cal Broomhead</td>
<td>DEPT OF ENVIRONMENT, ENERGY SECTION</td>
<td>1145 Market Street, Suite 1200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Francisco, CA 94103</td>
</tr>
<tr>
<td>Amanda Moore</td>
<td>PACIFIC GAS &amp; ELECTRIC COMPANY</td>
<td>77 Beale Street, B9A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Francisco, CA 94105</td>
</tr>
<tr>
<td>Andrew Yip</td>
<td>PACIFIC GAS &amp; ELECTRIC COMPANY</td>
<td>77 Beale St., B9A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Francisco, CA 94105</td>
</tr>
<tr>
<td>Bruce Perlstein</td>
<td>DIRECTOR, ADVISORY</td>
<td></td>
</tr>
<tr>
<td>KPMG LLP</td>
<td></td>
<td>55 Second St., STE. 1400</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Francisco, CA 94105</td>
</tr>
<tr>
<td>Cara Goldenberg</td>
<td>DIAN GRUENEICH CONSULTING, LLC</td>
<td>201 Mission Street, Suite 1200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Francisco, CA 94105</td>
</tr>
<tr>
<td>Jenny Gluzgold</td>
<td>PACIFIC GAS &amp; ELECTRIC CO.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>77 Beale Street, B9A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Francisco, CA 94105</td>
</tr>
<tr>
<td>John McIntyre</td>
<td>ALCANTAR &amp; KAHL</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>33 New Montgomery Street, Suite 1850</td>
</tr>
<tr>
<td></td>
<td></td>
<td>San Francisco, CA 94105</td>
</tr>
<tr>
<td>Josephine Wu</td>
<td>PACIFIC GAS AND ELECTRIC COMPANY</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
77 BEALE STREET, MC B9A  
SAN FRANCISCO, CA  94105

SHADA DADRAS  
PACIFIC GAS & ELECTRIC COMPANY  
77 BEALE STREET, MC B9A  
SAN FRANCISCO, CA  94105

MEGAN M. MYERS  
LAW OFFICES OF SARA STECK MYERS  
122 - 28TH AVENUE  
SAN FRANCISCO, CA  94121

ANDREW MEIMAN  
ARC ALTERNATIVES  
144 DONALD DRIVE  
MORAGA, CA  94556

MICHAEL MURRAY  
LUCID  
304 12TH STREET, SUITE 3C  
OAKLAND, CA  94607

FRED COITO  
DNV GL  
155 GRAND AVENUE, SUITE 500  
OAKLAND, CA  94612

JENNIFER MITCHELL-JACKSON  
OPINION DYNAMICS  
1999 HARRISON ST., STE. 1420  
OAKLAND, CA  94612

MIKHAIL HARAMATI  
ASSOCIATE  
OPINION DYNAMICS CORPORATION  
1999 HARRISON ST., STE. 1420  
OAKLAND, CA  94612

OLIVIA PATTERSON  
OPINION DYNAMICS  
1999 HARRISON ST., STE. 1420  
OAKLAND, CA  94612

MELISSA KASNITZ  
ATTORNEY  
CENTER FOR ACCESSIBLE TECHNOLOGY  
3075 ADELINE STREET, STE. 220  
BERKELEY, CA  94703

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

SARA STECK MYERS  
ATTORNEY AT LAW  
LAW OFFICES OF SARA STECK MYERS  
122 28TH AVENUE  
SAN FRANCISCO, CA  94121

FOR: ENERNOC, INC.

CHRIS ANN DICKERSON  
CAD CONSULTING  
720B CANYON OAKS DR.  
OAKLAND, CA  94605

ANTHONY HARRISON  
CAL. ENERGY EFFICIENCY INDUSTRY COUNCIL  
436 14TH ST., SUITE 1020  
OAKLAND, CA  94612

HANNAH ARNOLD  
OPINION DYNAMICS  
1999 HARRISON ST., STE. 1420  
OAKLAND, CA  94612

MARY SUTTER  
OPINION DYNAMICS  
1999 HARRISON ST., STE. 1420  
OAKLAND, CA  94612

NINA MERCHANT-VEGA  
OPINION DYNAMICS  
1999 HARRISON ST., STE. 1420  
OAKLAND, CA  94612

TAMI BUHR  
OPINION DYNAMICS  
1999 HARRISON ST., STE. 1420  
OAKLAND, CA  94612

CRAIG TYLER  
TYLER & ASSOCIATES  
2760 SHASTA ROAD  
BERKELEY, CA  94708
EDWARD VINE  
LAWRENCE BERKELEY NATIONAL LABORATORY  
BUILDING 90-2002  
BERKELEY, CA  94720-8136

JOHN PROCTOR  
PROCTOR ENGINEERING GROUP, LTD  
418 MISSION AVENUE  
SAN RAFAEL, CA  94901

HANK RYAN  
EXECUTIVE DIR.  
SMALL BUSINESS CALIFORNIA (SB CALIF.)  
750 - 47TH AVE., NO. 56  
CAPITOLA, CA  95010

DEMETRA J. MCBRIDE  
DIR. - OFF. OF SUST. & CLIMATE ACTION  
SANTA CLARA COUNTY  
70 W. HEDDING ST., E. WING, 11TH FLR.  
SAN JOSE, CA  95110

FOR: LOCAL GOVERNMENT SUSTAINABLE ENERGY COALITION

REBECCA JAFFE  
CITY OF SAN JOSE-ENVIRONMENTAL SVCS DEPT  
200 EAST SANTA CLARA  
SAN JOSE, CA  95113

LAUREN CASEY  
CLIMATE PROTECTION PROGRAM MANAGER  
SCTA/RCPA  
490 MENDOCINO AVE., STE. 206  
SANTA ROSA, CA  95401

SMITA GUPTA  
SR. ENERGY CONSULTANT  
ITRON, INC.  
330 MADSON PLACE  
DAVIS, CA  95618-6599

JUDITH SANDERS  
CALIFORNIA ISO  
250 OUTCROPPING WAY  
FOLSOM, CA  95630-8773

JOSEPH OLDHAM  
LOCAL GOVERNMENT COMMISSION  
1303 J STREET, STE. 250  
SACRAMENTO, CA  95814

SCOTT BLAISING  
ATTORNEY  
BRAUN BLAISING MCLAUGHLIN & SMITH, P.C.  
915 L STREET, STE. 1270  
SACRAMENTO, CA  95814

STEVEN KELLY  
POLICY DIRECTOR  
INDEPENDENT ENERGY PRODUCERS ASSOCIATION  
1215 K STREET, STE. 900  
SACRAMENTO, CA  95814

TONY BRUNELLO  
GREEN TECHNOLOGY LEADERSHIP GROUP  
980 9TH STREET, SUITE 2000  
SACRAMENTO, CA  95814

FOR: MISSION: DATA

DANIEL L. CARDOZO  
ADAMS BROADWELL JOSEPH & CARDOZO  
520 CAPITOL MALL, STE. 350  
SACRAMENTO, CA  95814-4715

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

KENNETH M. KEATING  
6902 SW 14TH AVE.  
PORTLAND, OR  97219

JOHN W. GOULD  
CAL-UCONS, INC.  
5737 SW 18TH AVE.  
PORTLAND, OR  97239

MICHAEL RICHARDSON  
VP - GLOBAL PROGRAM OPERATIONS  
TRANSFORMATIVE WAVES  
1012 CENTRAL AVE. SOUTH  
KENT, WA  98032

JENNIFER HOLMES  
ENERGY MARKET INNOVATIONS (EMI)  
83 COLUMBIA ST., STE/ 400  
SEATTLE, WA  98104

http://www.cpuc.ca.gov/service_lists/R1311005_81279.htm  
5/1/2014
## State Service

<table>
<thead>
<tr>
<th>Name</th>
<th>Office</th>
<th>Email Only</th>
<th>City, State Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td>AARON LU</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td>LY, CA 00000</td>
</tr>
<tr>
<td>AMY REARDON</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CPUC - ENERGY</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY, CA 00000</td>
<td>EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>AVA N. TRAN</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td>CARMEN BEST</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY, CA 00000</td>
<td>EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>CATHLEEN A. FOGEL</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td>CHARLYN HOOK</td>
<td>LEAGL DIVISION</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CPUC</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY, CA 00000</td>
<td>EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>DANIEL BUCH</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td>DAVID PECK</td>
<td>ORA</td>
<td>CALIFORNIA PUBLIC UTILITIES COMMISSION</td>
<td>EMAIL ONLY, CA 00000</td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY, CA 00000</td>
<td>EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>DINA MACKIN</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td>FRANK ALAN REYNOLDS</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY, CA 00000</td>
<td>EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>HAZLYN FORTUNE</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td>JACLYN MARKS</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY, CA 00000</td>
<td>EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>JEAN A. LAMMING</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td>JEANNE CLINTON</td>
<td>CPUC - EXEC. DIV</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY, CA 00000</td>
<td>EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>JEORGE S. TAGNIPES</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td>JEREMY BATTIS</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY, CA 00000</td>
<td>EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>JULIA CORDELL</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td>KATHERINE HARDY</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY, CA 00000</td>
<td>EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>KATIE WU</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td>LISA PAULO</td>
<td>CPUC - Energy</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EMAIL ONLY, CA 00000</td>
<td>EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Title</td>
<td>Contact Information</td>
<td></td>
</tr>
<tr>
<td>------------------------</td>
<td>------------------------------------</td>
<td>-----------------------</td>
<td></td>
</tr>
<tr>
<td>Michael Colvin</td>
<td>Advisor - Energy</td>
<td>CPUC - ENERGY EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>Mona Dee Dzvova</td>
<td></td>
<td>CPUC - ENERGY EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>Paula Gruendlings</td>
<td></td>
<td>CPUC - ENERGY EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>Peter Lai</td>
<td></td>
<td>CPUC - ENERGY EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>Rory Cox</td>
<td></td>
<td>CPUC - ENERGY EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>Syreeta Gibbs</td>
<td></td>
<td>CPUC - ENERGY EMAIL ONLY, CA 00000</td>
<td></td>
</tr>
<tr>
<td>William Dietrich</td>
<td>Sr. Analyst - Energy Div.</td>
<td>CPUC - ENERGY ROOM 4102, 505 VAN NESS AVENUE, SAN FRANCISCO, CA 94102-3214</td>
<td></td>
</tr>
<tr>
<td>Julie A. Pitch</td>
<td>Executive Division</td>
<td>CPUC - ENERGY ROOM 5214, 505 VAN NESS AVENUE, SAN FRANCISCO, CA 94102-3214</td>
<td></td>
</tr>
<tr>
<td>Todd O Edmister</td>
<td></td>
<td>CPUC - ENERGY ROOM 5214, 505 VAN NESS AVENUE, SAN FRANCISCO, CA 94102-3214</td>
<td></td>
</tr>
</tbody>
</table>

CPUC - Service Lists - R1311005 5/1/2014

http://www.cpuc.ca.gov/service_lists/R1311005_81279.htm
## Parties

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Address/Email Info</th>
<th>Company/Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANDY FRANK</td>
<td>VP - BUSINESS DEVELOPMENT</td>
<td>EMAIL ONLY, NY 00000</td>
<td>NATIONAL ASSC. OF ENERGY SVC. COMPANIES</td>
</tr>
<tr>
<td>EFFICIENCY 2.0, LLC</td>
<td>EMAIL ONLY</td>
<td></td>
<td>FOR: NATIONAL ASSOCIATION OF ENERGY SERVICES COMPANIES</td>
</tr>
<tr>
<td>ELISABETH RUSSELL</td>
<td>ACTING DEPUTY DIR</td>
<td>EMAIL ON LY, CA 00000</td>
<td>FOR: ASSOCIATION OF MONTEREY BAY AREA GOVERNMENTS</td>
</tr>
<tr>
<td>JEREMY WAEN</td>
<td>REGULATORY ANALYST</td>
<td>EMAIL ONLY, CA 00000</td>
<td>FOR: LOCAL GOVERNMENT SUSTAINABLE</td>
</tr>
<tr>
<td>JENNY MERRIGAN</td>
<td>WOMEN'S ENERGY MATTERS</td>
<td>EMAIL ONLY, CA 00000</td>
<td>FOR: WOMEN'S ENERGY MATTERS</td>
</tr>
<tr>
<td>JODY LONDON</td>
<td></td>
<td></td>
<td>FOR: SIERRA BUSINESS COUNCIL</td>
</tr>
<tr>
<td>JODY LONDON CONSULTING</td>
<td></td>
<td></td>
<td>FOR: SIERRA BUSINESS COUNCIL</td>
</tr>
<tr>
<td>JEAN MERIGGIAN</td>
<td>WOMEN'S ENERGY MATTERS</td>
<td>EMAIL ONLY, CA 00000</td>
<td>FOR: WOMEN'S ENERGY MATTERS</td>
</tr>
<tr>
<td>GARY GOCKEL</td>
<td>POOL SOLUTIONS GROUP</td>
<td>EMAIL ONLY, CA 00000</td>
<td>FOR: POOL SOLUTIONS GROUP</td>
</tr>
<tr>
<td>DONALD GILLIGAN</td>
<td>NATIONAL ASSC. OF ENERGY SVC. COMPANIES</td>
<td>EMAIL ONLY, DC 00000</td>
<td>FOR: NATIONAL ASSOCIATION OF ENERGY SERVICES COMPANIES</td>
</tr>
<tr>
<td>GARY GOCKEL</td>
<td>WEB DESIGNER</td>
<td>ADDRESS ON FILE, CA 00000</td>
<td>POOL SOLUTIONS GROUP</td>
</tr>
<tr>
<td>JENNIFER ROSSER</td>
<td>PROGRAM DIR.</td>
<td>EMAIL ONLY, CA 00000</td>
<td>SIERRA BUSINESS COUNCIL</td>
</tr>
<tr>
<td>JENNY MERRIGAN</td>
<td>WOMEN'S ENERGY MATTERS</td>
<td>EMAIL ONLY, CA 00000</td>
<td>FOR: WOMEN'S ENERGY MATTERS</td>
</tr>
<tr>
<td>JODY LONDON</td>
<td>PROGRAM DIR.</td>
<td>EMAIL ONLY, CA 00000</td>
<td>FOR: SIERRA BUSINESS COUNCIL</td>
</tr>
</tbody>
</table>

**CALIFORNIA PUBLIC UTILITIES COMMISSION**

**Service Lists**

**PROCEEDING: R0911014 - CPUC - OIR TO EXAMIN**

**FILER: CPUC**

**LIST NAME: LIST**

**LAST CHANGED: APRIL 28, 2014**

**DOWNLOAD THE COMMA-DELIMITED FILE**

**ABOUT COMMA-DELIMITED FILES**

[Back to Service Lists Index](#)
FOR: MARIN CLEAN ENERGY
LARA ETTENSON
NATURAL RESOURCES DEFENSE COUNCIL
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: NATURAL RESOURCES DEFENSE COUNCIL

ENERGY COALITION
MARGIE GARDNER
EXECUTIVE DIRECTOR
CA ENERGY EFFICIENCY INDUSTRY COUNCIL
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: CALIFORNIA ENERGY EFFICIENCY INDUSTRY COUNCIL

MARTHA DAVIS
EXE. MGR. - POLICY DEVELOPMENT
INLAND EMPIRE UTILITIES AGENCY
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: INLAND EMPIRE UTILITIES AGENCY (IEUA)

Megan Kirkeby
CALIFORNIA HOUSING PARTNERSHIP CORP.
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: CALIFORNIA HOUSING PARTNERSHIP CORP.

MITCHELL SHAPSON
STAFF ATTORNEY
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: ORA (FORMERLY DRA)

Neal De Snoo
ENERGY PROGRAM OFFICER
CITY OF BERKELEY - PLANNING DEPARTMENT
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: CITY OF BERKELEY

NWAMAKA AGBO
POLICY ASSOCIATE, GREEN COLLAR JOBS CAMP
ELLA BAKER CENTER FOR HUMAN RIGHTS
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: ELLA BAKER CENTER FOR HUMAN RIGHTS

Richard W. Atwater
EXE. DIRECTOR
SOUTHERN CALIFORNIA WATER COMMITTEE
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: SOUTHERN CALIFORNIA WATER COMMITTEE

SACHU CONSTANTINE
CALIFORNIA CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: CALIFORNIA CENTER FOR SUSTAINABLE ENERGY

Scott Blaising
BRAUN BLAISING MCLAUGHLIN, P.C.
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: SAN JOAQUIN VALLEY POWER AUTHORITY

SHANDRA (TIGER) ADOLF
DIR - WESTERN REGION
BUILDING PERFORMANCE INSTITUTE
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: BUILDING PERFORMANCE INSTITUTE, INC.

WILL BOSCHMAN
SEMITROPIC WATER STORAGE DISTRICT
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: SEMITROPIC WATER STORAGE DISTRICT

WILLIAM MCNAMARA
DIR - CALIF. REGION
PORTLAND ENERGY CONSERVATION INC.
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: PORTLAND ENERGY CONSERVATION INCORPORATED (PECI)

Charles Isaac
SKYCHASER ENERGY, INC.
EMAIL ONLY
EMAIL ONLY, IL 00000-0000
FOR: SKYCHASER ENERGY, INC.
SHERIDAN J. PAUKER
WILSON SONSINI GOODRICH & ROSATI
EMAIL ONLY
EMAIL ONLY, CA 00000-0000
FOR: RENEWABLE FUNDING, LLC / METRUS ENERGY, INC.

KARA SAUL RINALDI
EXECUTIVE DIRECTOR
NATIONAL HOME PERFORMANCE COUNCIL
1620 EYE STREET, NW, STE. 501
WASHINGTON, DC 20006
FOR: NATIONAL HOME PERFORMANCE COUNCIL

OLIVIA B. WEIN
ATTORNEY AT LAW
NATIONAL CONSUMER LAW CENTER
1001 CONNECTICUT AVE., NW., STE. 510
WASHINGTON, DC 20036-5528
FOR: NATIONAL CONSUMER LAW CENTER

MICHAEL PETRICONE
SVP - GOV'T AFFAIRS
CONSUMER ELECTRONICS ASSOCIATION
1919 SOUTH EADS STREET
ARLINGTON, VA 22202
FOR: CONSUMER ELECTRONICS ASSOCIATION

JIM STAPLES
STAPLES MARKETING COMMUNICATIONS
N28W23050 ROUNDY DR., STE. 100
PEWAUKEE, WI 53072
FOR: STAPLES MARKETING COMMUNICATIONS

JUSTIN SEGALL
FOUNDER & EXECUTIVE V.P.
SIMPLE ENERGY, INC.
1215 SPRUCE ST., STE. 201
BOULDER, CO 80302-4839
FOR: SIMPLE ENERGY, INC.

STEVEN R. SHALLENBERGER
PRESIDENT
SYNERGY COMPANIES
1330 S 1000 E
OREM, UT 84097-7260
FOR: SYNERGY COMPANIES

STEVEN D. PATRICK
PRESIDENT
SAN DIEGO GAS AND ELECTRIC COMPANY
555 WEST FIFTH STREET, SUITE 1400
LOS ANGELES, CA 90013-1011
FOR: SAN DIEGO GAS & ELECTRIC / SOCAL GAS

ELISE GOLDMAN
WEST BASIN MUNICIPAL WATER DISTRICT
17140 SOUTH AVALON BLVD.
CARSON, CA 90746
FOR: WEST BASIN MUNICIPAL WATER DISTRICT

LEN PETTIS
CHANCELLOR
CALIFORNIA STATE UNIVERSITY
401 GOLDEN SHORE, 2ND FLR.
LONG BEACH, CA 90802-4210
FOR: CALIFORNIA STATE UNIVERSITY (CSU)

LARRY COPE
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMONT, CA 91770
FOR: SOUTHERN CALIFORNIA EDISON

NICOLE CAPRETTZ
ASSOC. DIR.
ENVIRONMENTAL HEALTH COALITION
2727 HOOVER AVE., 2ND FLOOR
NATIONAL CITY, CA 91950
FOR: ENVIRONMENTAL HEALTH COALITION

FREDERICK M. ORTLIEB
DEPUTY CITY ATTORNEY
CITY OF SAN DIEGO
1200 THIRD AVENUE, SUITE 1100
SAN DIEGO, CA 92101
FOR: CITY OF SAN DIEGO

DONALD C. LIDDELL
ATTORNEY
DOUGLASS & LIDDELL
2928 2ND AVENUE
SAN DIEGO, CA 92103
FOR: CALIFORNIA ENERGY STORAGE ALLIANCE

LEE STEVENS
EMERGING TECHNOLOGIES ASSOCIATES INC.
PO BOX 60604
SAN DIEGO, CA 92166-8604
FOR: EMERGING TECHNOLOGIES ASSOCIATES

PAUL JONES
WESTERN MUNICIPAL WATER DISTRICT
2270 TRUMBLE ROAD
PERRIS, CA 92572
FOR: EASTERN MUNICIPAL WATER DISTRICT
FIONA SANCHEZ
WATER EFFICIENCY MANAGER
IRVINE RANCH WATER DISTRICT
15600 SAND CANYON AVENUE
IRVINE, CA 92618
FOR: IRVINE RANCH WATER DISTRICT

W. MICHAEL HACKETT
MGR.
NRG ANSWERS, LLC
2850 VERDE VISTA DR.
SANTA BARBARA, CA 93105
FOR: NRG ANSWERS, LLC

ELIZABETH KLEBANER
ADAMS BROADWELL JOSEPH & CARDOZO
601 GATEWAY BLVD., STE. 1000
SOUTH SAN FRANCISCO, CA 94080
FOR: CALIFORNIA CONSTRUCTION INDUSTRY LABOR MANAGEMENT COOPERATION TRUST (CILMCT)

JEANNE M. SOLE
CITY AND COUNTY OF SAN FRANCISCO
CITY HALL, RM 234
1 DR. CARLTON B. GOODLET PLACE
SAN FRANCISCO, CA 94102-4682
FOR: CITY AND COUNTY OF SAN FRANCISCO

NICOLE JOHNSON
STAFF ATTORNEY
CONSUMER FEDERATION OF CALIFORNIA
433 NATOMA ST., STE. 200
SAN FRANCISCO, CA 94103
FOR: CONSUMER FEDERATION OF CALIFORNIA

ROBERT FINKELSTEIN
THE UTILITY REFORM NETWORK
785 MARKET ST., STE. 1400
SAN FRANCISCO, CA 94103
FOR: TURN

COBY RANDOLPH
EFFICIENCY FIRST
1819 POLK STREET, NO. 373
SAN FRANCISCO, CA 94109-3003
FOR: EFFICIENCY FIRST

JACK STODDARD
MANATT PHELPS & PHILLIPS, LLP
ONE EMBARCADERO CENTER, 30TH FL.
SAN FRANCISCO, CA 94111
FOR: SWITCH LIGHTING COMPANY

EDWARD W. O'NEILL
DAVIS WRIGHT TREMAINE LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO, CA 94111-6533
FOR: SOUTH SAN JOAQUIN IRRIGATION DISTRICT (SSJID)

MICHAEL R. KLOTZ
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, MS B30A, ROOM 3105B
SAN FRANCISCO, CA 94120
FOR: PACIFIC GAS AND ELECTRIC COMPANY

SARA STECK MYERS
ATTORNEY AT LAW
122 28TH AVE.
SAN FRANCISCO, CA 94121
FOR: CENTER FOR ENERGY EFFICIENCY AND RENEWABLE TECHNOLOGIES

CONRAD ASPER
EXECUTIVE DIRECTOR
CAL. BLDG. PERFORMANCE CONTRACTORS ASSN
1000 BROADWAY, STE. 435
OAKLAND, CA 94607
FOR: CALIFORNIA BUILDING PERFORMANCE CONTRACTORS ASSOCIATION (CBPCA)

GERALD LAHR
ASSOCIATION OF BAY AREA GOVERNMENTS
101 8TH STREET, PO BOX 2050
OAKLAND, CA 94607
FOR: ASSOCIATION OF BAY AREA GOVERNMENTS

ROBERT L. KNIGHT
BEVILACQUA-KNIGHT INC.
1000 BROADWAY, SUITE 410
OAKLAND, CA 94607
FOR: BEVILACQUA-KNIGHT INC.

BRUCE MAST
DIR OF PROGRAMS
BUILD IT GREEN

JASON B. KEYES
KEYES FOX & WIEDMAN, LLP
436 14TH STREET, STE. 1305
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Company/Position</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td>KAT DANIEL</td>
<td>Program Mgr. - Communities of Practice</td>
<td>Green for All</td>
<td>1611 Telegraph Avenue, Suite 600</td>
<td>Oakland</td>
<td>CA</td>
<td>94612</td>
</tr>
<tr>
<td>SCOTT WENTWORTH</td>
<td>Energy Engr.-Facilities &amp; Environment</td>
<td>City of Oakland</td>
<td>250 Frank H Ogawa Plaza, Ste. 5301</td>
<td>Oakland</td>
<td>CA</td>
<td>94612</td>
</tr>
<tr>
<td>RAMESH RAMCHANDANI</td>
<td>Dir - Regulatory Affairs</td>
<td>Commercial Energy of California</td>
<td>7677 Oakport Street, Ste. 525</td>
<td>Oakland</td>
<td>CA</td>
<td>94621</td>
</tr>
<tr>
<td>DERRICK REBello, Ph.D</td>
<td>Quantum Energy Services &amp; Technologies, Inc.</td>
<td>Berkeley</td>
<td>2001 Addison St., Suite 300</td>
<td>Berkeley</td>
<td>CA</td>
<td>94704</td>
</tr>
<tr>
<td>SAMUEL S. KANG</td>
<td>The Greenlining Institute</td>
<td>California Community of Practice</td>
<td>1918 University Avenue, Second Floor</td>
<td>Berkeley</td>
<td>CA</td>
<td>94704</td>
</tr>
<tr>
<td>KEN TAYMOR</td>
<td>Executive Dir</td>
<td>Berkeley Center for Law, Business &amp; Economy</td>
<td>215 Boalt Hall</td>
<td>Berkeley</td>
<td>CA</td>
<td>94720</td>
</tr>
<tr>
<td>JOHN PROCTOR</td>
<td>Proctor Engineering Group, Ltd</td>
<td>Proctor Engineering Group</td>
<td>410 Mission Avenue</td>
<td>San Rafael</td>
<td>CA</td>
<td>94901</td>
</tr>
<tr>
<td>MATTHEW O'KEEFE</td>
<td>Opower</td>
<td>Opower</td>
<td>760 Market Street, 4th Floor</td>
<td>San Francisco</td>
<td>CA</td>
<td>94920</td>
</tr>
<tr>
<td>HANK RYAN</td>
<td>Executive Dir.</td>
<td>Small Business California</td>
<td>750 - 47th Ave., No. 56</td>
<td>Capitola</td>
<td>CA</td>
<td>95010</td>
</tr>
<tr>
<td>ABHAY GUPTA</td>
<td>CEO</td>
<td>Myenersave</td>
<td>20278 Clay Street</td>
<td>Cupertino</td>
<td>CA</td>
<td>95014</td>
</tr>
<tr>
<td>MAHLON ALDRIDGE</td>
<td>VP - Strategic Development</td>
<td>Ecology Action of Santa Cruz</td>
<td>877 Cedar Street, Ste. 240</td>
<td>Santa Cruz</td>
<td>CA</td>
<td>95060-3938</td>
</tr>
<tr>
<td>THOMAS P. CONLON</td>
<td>President</td>
<td>Geopraxis</td>
<td>PO Box 5</td>
<td>Sonoma</td>
<td>CA</td>
<td>95476-0005</td>
</tr>
<tr>
<td>MELANIE GILLETTE</td>
<td>Dir - Western Reg. Affairs</td>
<td>Enernoc, Inc.</td>
<td>115 Hazelmer Drive</td>
<td>Folsom</td>
<td>CA</td>
<td>95630</td>
</tr>
<tr>
<td>JUDITH SANDERS</td>
<td></td>
<td>Geopraxis, Inc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. RICHARD WYLIE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CALIFORNIA ISO
250 OUTCROPPING WAY
FOLSOM, CA 95630-8773
FOR: CALIFORNIA INDEPENDENT SYSTEM OPERATOR (CAISO)

ERIK S. EMBLEM
EXECUTIVE ADMINISTRATOR
JOINT COMM. ON ENERGY & ENVIRONMENT POL.
1809 S STREET, SUITE 101-207
SACRAMENTO, CA 95811
FOR: JOINT COMMITTEE ON ENERGY & ENVIRONMENTAL POLICY

MARCO LIZZARAGA
LA COOPERATIVA CAMPESINA DE CALIFORNIA
1107 9TH STREET, STE.420
SACRAMENTO, CA 95814
FOR: LA COOPERATIVA CAMPESINA DE CALIFORNIA

JENNIFER SVEC
CALIFORNIA ASSOCIATION OF REALTORS
1121 L STREET, SUITE 600
SACRAMENTO, CA 95814-3943
FOR: CALIFORNIA ASSOCIATION OF REALTORS

PHIL HENRY
PRESIDENT
CALIFORNIA GEOTHERMAL HEAT PUMP ASSOC
9343 TECH CENTER DR., STE. 135
SACRAMENTO, CA 95826
FOR: CALIFORNIA GEOTHERMAL HEAT PUMP ASSOCIATION, DBA CALIFORNIAGEO

Information Only

AMANDA WERNER
THE GREENLINING INSTITUTE
EMAIL ONLY, CA 00000

ANDREW BROOKS
ASSOCIATION OF ENERGY AFFORDABILITY
EMAIL ONLY, CA 00000

ANN KELLY
DEPT. OF THE ENVIRONMENT
CITY AND COUNTY OF SAN FRANCISCO
EMAIL ONLY

http://www.cpuc.ca.gov/service_lists/R0911014_78703.htm
BECKIE MENTEN  
EFFICIENCY COORDINATOR  
MARIN CLEAN ENERGY  
EMAIL ONLY  
EMAIL ONLY, CA  00000

BRIAN SMITH  
PACIFIC GAS & ELECTRIC COMPANY  
EMAIL ONLY  
EMAIL ONLY, CA  00000

CAROL YIN  
YINSIGHT, INC  
EMAIL ONLY  
EMAIL ONLY, CA  00000

CHARLIE BUCK  
CALIF. CENTER FOR SUSTAINABLE ENERGY  
EMAIL ONLY  
EMAIL ONLY, CA  00000

CHRIS HAMMER  
SUSTAINABLE DESIGN + BEHAVIOR  
EMAIL ONLY  
EMAIL ONLY, CA  00000

CRISPIN WONG  
PICI  
EMAIL ONLY  
EMAIL ONLY, OR  00000

DENNIS W. GUIDO  
EVP - CORPORATE RELATIONS  
STAPLES & ASSOCIATES  
EMAIL ONLY  
EMAIL ONLY, CA  00000

DOUGLAS PASCHALL  
PROGRAM MANAGER  
LOCKHEED MARTIN CORPORATION  
EMAIL ONLY  
EMAIL ONLY, CA  00000

ELIZABETH KELLY  
LEGAL DIRECTOR  
MARIN CLEAN ENERGY  
EMAIL ONLY  
EMAIL ONLY, CA  00000

BRIAN HEDMAN  
THE CADMUS GROUP  
EMAIL ONLY  
EMAIL ONLY, CA  00000

CARLOS LAMAS-BABBINI  
PROGRAM MGR.  
COMVERGE, INC.  
EMAIL ONLY  
EMAIL ONLY, CA  00000

CASE COORDINATION  
PACIFIC GAS AND ELECTRIC COMPANY  
EMAIL ONLY  
EMAIL ONLY, CA  00000

CHRIS ANN DICKERSON  
CAD CONSULTING  
EMAIL ONLY  
EMAIL ONLY, CA  00000

CRAIGHT PERKINS  
THE ENERGY COALITION  
EMAIL ONLY  
EMAIL ONLY, CA  00000

DAVID NEMTZOW  
NEMTZOW & ASSOCIATES  
EMAIL ONLY  
EMAIL ONLY, CA  00000

DICK PATTERSON  
PACIFIC GAS & ELECTRIC COMPANY  
EMAIL ONLY  
EMAIL ONLY, CA  00000

EILEEN COTRONEO  
PACIFIC GAS AND ELECTRIC COMPANY  
EMAIL ONLY  
EMAIL ONLY, CA  00000

FRANK WOLAK  
STANFORD  
EMAIL ONLY  
EMAIL ONLY, CA  00000
GENE THOMAS
ECOLOGY ACTION
EMAIL ONLY
EMAIL ONLY, CA 00000

GREG WIKLER
ENERNOC, INC.
EMAIL ONLY
EMAIL ONLY, CA 00000

GREY STAPLES
THE MENDEOTA GROUP, LLC
EMAIL ON LY
EMAIL ONLY, MN 00000

JEFF ROUSER
EMAIL ONLY
EMAIL ONLY, CA 00000

JILLIAN MCLAUGHLIN
NATIONAL CONSUMER LAW CENTER
EMAIL ONLY
EMAIL ONLY, MA 00000

JOSIAH ADAMS
ECOLOGY ACTION
EMAIL ONLY
EMAIL ONLY, CA 00000

KYLE JEFFERY
RHA, INC.
EMAIL ONLY
EMAIL ONLY, CA 00000

MABELL PAINE
PRINCIPAL
ICF INTERNATIONAL
EMAIL ONLY
EMAIL ONLY, CA 00000

MARGARET BRUCE
ECOLOGY ACTION
EMAIL ONLY
EMAIL ONLY, CA 00000

MATT KLOPPENSTEIN
GONZALEZ QUINTANA & HUNTER LLC
EMAIL ONLY
EMAIL ONLY, CA 00000

GINA GOODHILL
POLICY - LEGISLATIVE ASSOCIATE
GLOBAL GREEN USA
EMAIL ONLY
EMAIL ONLY, CA 00000

GREGG FISHMAN
ECOLOGY ACTION
EMAIL ONLY
EMAIL ONLY, CA 00000

JAY CORRALES
TURNER REAL ESTATE
EMAIL ONLY
EMAIL ONLY, CA 00000

JESSICA COHEN
MANAGEMENT FOLLOW/PROGRAM MANAGER
L.A.COUNTY OFFICE OF SUSTAINABILITY
EMAIL ONLY
EMAIL ONLY, CA 00000

JOEL GAMORAN
C3 ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

KENYON HOLMES
TRANE
EMAIL ONLY
EMAIL ONLY, CA 00000

LUKE NICKERMAN
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

MARC BARANOV
POLICY AND LEGISLATIVE FELLOW
GLOBAL GREEN USA
EMAIL ONLY
EMAIL ONLY, CA 00000

MARIA EANSOR
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

MATTHEW E. KAHN
PROFESSOR
UCLA & NBER
EMAIL ONLY
MCE REGULATORY
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

MELISSA P. MARTIN
SENIOR REGULATORY COUNSEL
STATESIDE ASSOCIATES
EMAIL ONLY
EMAIL ONLY, VA 00000

MICHAEL FOSTER
CITY OF SAN JOSE
EMAIL ONLY
EMAIL ONLY, CA 00000

MICHELLE NOCHISAKI
BUILDING PERFORMANCE INSTITUTE, INC.
EMAIL ONLY
EMAIL ONLY, CA 00000

MISTI BRUCERI
MISTI BRUCERI & ASSOCIATES, LLC
EMAIL ONLY
EMAIL ONLY, CA 00000

PATTI LANDRY
REGULATORY ANALYST
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

PATTY COOK
ICF INTERNATIONAL
EMAIL ONLY
EMAIL ONLY, CA 00000

PETER F. JAZAYERI
BLANK ROME LLP
EMAIL ONLY
EMAIL ONLY, CA 00000

RACHEL MCMAHON
EMAIL ONLY
EMAIL ONLY, CA 00000

RAFAEL FRIEDMANN
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

RICK ASLIN
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

ROBIN J. WALThER
EMAIL ONLY
EMAIL ONLY, CA 00000

RORY JONES
PLANET ECOSYSTEMS
EMAIL ONLY
EMAIL ONLY, CA 00000

SEPHRA A. NINOW
REGULATORY AFFAIRS MGR.
CALIFORNIA CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

SHALINI SWAROOP
REGULATORY COUNSEL
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

SHEA DIBBLE
PECI
EMAIL ONLY
EMAIL ONLY, CA 00000

SIERRA MARTINEZ
LEGAL DIR - CALIFORNIA ENERGY PROJECT
NATURAL RESOURCES DEFENSE COUNCIL
EMAIL ONLY
EMAIL ONLY, CA 00000

TOM BARRETT
RHA INC.
EMAIL ONLY
EMAIL ONLY, CA 00000
TRACY CHEUNG  
PACIFIC GAS & ELECTRIC COMPANY  
EMAIL ONLY  
EMAIL ONLY, CA  00000

YVONNE HUNTER  
INSTITUTE FOR LOCAL GOVERNMENT  
EMAIL ONLY  
EMAIL ONLY, CA  00000

LAW & REGULATORY DEPARTMENT  
CALIFORNIA ISO  
EMAIL ONLY  
EMAIL ONLY, CA  00000

MRW & ASSOCIATES, LLC  
EMAIL ONLY  
EMAIL ONLY, CA  00000

DAVIS WRIGHT TREMAINE, LLP  
EMAIL ONLY  
EMAIL ONLY, CA  00000

SFPUC POWER LEGISLATIVE AND REG. AFFAIRS  
EMAIL ONLY  
EMAIL ONLY, CA  00000

CODY TAYLOR  
U.S. DEPARTMENT OF ENERGY  
EMAIL ONLY  
EMAIL ONLY, MO  00000-0000

DAN PERKINS  
VP-NATIONAL PRESERVATION PARTNERS  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000

IRENE M. STILLINGS  
EXECUTIVE DIRECTOR  
CALIF. CTR. FOR SUSTAINABLE ENERGY  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000

JENNIFER BARNES  
NAVIGANT CONSULTING, INC.  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000

JESSICA HALPERN-FINNERTY  
CENTER FOR LABOR RESEARCH & EDUCATION  
DONALD VIAL CENTER ON EMPLOYMENT  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000

JOSEPH OLDHAM  
PROGRAM DIRECTOR  
LOCAL GOVERNMENT COMMISSION  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000

JUDY PAU  
DAVIS WRIGHT TREMAINE LLP  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000

MARVIN HOROWITZ  
DEMAND RESEARCH, LLC  
EMAIL ONLY  
EMAIL ONLY, VA  00000-0000

MIKE KOSZALKA  
VICE PRESIDENT  
ICF INTERNATIONAL  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000

NEHEMIAH STONE  
BENNINGFIELD GROUP, INC.  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000

SIOBHAN FOLEY  
CALIFORNIA CENTER FOR SUSTAINABLE ENERGY  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000

VALERIE RICHARDSON  
KEMA, INC.  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000

JENNIFER MCWILLIAMS  
CONSERVATION SERVICES GROUP  
50 WASHINGTON STREET, STE 300  
485 MASSACHUSETTS AVE., SUITE 2

ERIN MALONE  
SYNAPSE ENERGY ECONOMICS, INC.  
EMAIL ONLY  
EMAIL ONLY, CA  00000-0000
WESTBOROUGH, MA  01581                          CAMBRIDGE, MA  02139

BRAD KATES                                          MICHAEL SACHSE
OPINION DYNAMICS CORPORATION                       SR DIR - GOV'T AFFAIRS AND GEN COUNSEL
230 THIRD FLOOR                                      OPPOWER
WALTHAM, MA  02451                                  1515 N. COURTHOUSE RD., SUITE 800
ARLINGTON, VA  22201-2909                          ARLINGTON, VA  22201-2909

JOSH ALBAN                                          JONATHAN MELCHI
COMMERCIAL MANAGER                                  HEATING AIR-CONDITIONING & REFRIGERATION
SCI ENERGY, INC.                                    455 MILL RUN DRIVE, SUITE 820
1945 THE EXCHANGE S.E., STE. 325                    COLUMBUS, OH  43026
ATLANTA, CA  30339-2062                             FOR: HEATING, AIR-CONDITIONING &
                                                      REFRIGERATION DISTRIBUTORS INTERNATIONAL

TOM HAMILTON                                        ROBERT J. KING
321 MESA LILA ROAD                                   PRESIDENT
GLENDALE, CA  61208                                 GOOD COMPANY ASSOCIATES
3103 BEE CAVES ROAD, STE. 135                       3103 BEE CAVES ROAD, STE. 135
AUSTIN, TX  78746                                    AUSTIN, TX  78746

CYNTHIA MITCHELL                                    ANDREW STEINBERG
CONSULTANT                                          REGULATORY POLICY & REPORTING MGR.
ENERGY ECONOMICS, INC.                               SOUTHERN CALIFORNIA GAS COMPANY
530 COLEGATE COURT                                   555 W. FIFTH STREET, GT19A7
RENO, NV  89503                                      LOS ANGELES, CA  90013

STEVEN HRUBY                                        GREGORY HEALY
SOUTHERN CALIFORNIA GAS COMPANY                     REGULATORY CASE MANAGE
555 W. FIFTH ST., GT14D6                             SOUTHERN CALIFORNIA GAS COMPANY
LOS ANGELES, CA  90013                               555 WEST FIFTH STREET, GT14D6
                                                     LOS ANGELES, CA  90013-1011

JACKI BACHARACH                                     MARY LUEVANO
EXECUTIVE DIRECTOR                                  GLOBAL GREEN USA
SOUTH BAY CITIES COUNCIL OF GOVERNMENTS             2218 MAIN STREET, 2ND FLOOR
5033 ROCKVALLEY ROAD                                 SANTA MONICA, CA  90405
RANCHO PALOS VERDES, CA  90275                      SANTA MONICA, CA  90405

MARILYN LYON                                         SHIVAJI DESHMUKH
SOUTH BAY CITIES COUNCIL OF GOVERNMENTS             WEST BASIN MUNICIPAL WATER DISTRICT
SOUTH BAY ENVIRONMENTAL SERVICES CTR.               17140 SOUTH AVALON BLVD.
20285 S. WESTERN AVE., STE. 100                    CARSON, CA  90746
TORRANCE, CA  90501                                 CARSON, CA  90746

PAUL THOMAS                                         CALIFORNIA STATE UNIVERSITY
PACY CONSULTANTS                                    OFFICE OF THE CHANCELLOR
1449 E. 3RD ST., NO. 305                            401 GOLDEN SHORE
LONG BEACH, CA  90802                               LONG BEACH, CA  90802

ALYSSA CHERRY                                       BASU MUKHERJEE, P.E.
SOUTHERN CALIFORNIA EDISON                         GLOBAL ENERGY SERVICES, INC.
6042A N. IRWINDALE AVENUE                           23341 GOLDEN SPRINGS DRIVE, STE. 108

http://www.cpuc.ca.gov/service_lists/R0911014_78703.htm  5/1/2014
IRWINDALE, CA  91702                      DIAMOND BAR, CA  91765
CASE ADMINISTRATION                       GARY LEVINGTON
SOUTHERN CALIFORNIA EDISON COMPANY       SOUTHERN CALIFORNIA EDISON COMPANY
LAW DEPARTMENT                            1515 WALNUT GROVE AVE.
2244 WALNUT GROVE AVENUE, RM 370         ROSEMEAD, CA  91770
ROSEMEAD, CA  91770

JENNIFER M. TSAO SHIGEKAWA               MONICA GHATTAS
SOUTHERN CALIFORNIA EDISON COMPANY       ATTORNEY
2244 WALNUT GROVE AVENUE                 SOUTHERN CALIFORNIA EDISON COMPANY
ROSEMEAD, CA  91770                     2244 WALNUT GROVE AVE. / PO BOX 800
ROSEMEAD, CA  91770

OLIVIA SAMAD                              RICHARD T. SPERBERG
ATTORNEY                                  PRESIDENT
SOUTHERN CALIFORNIA EDISON COMPANY       ONSITE ENERGY CORP.
2244 WALNUT GROVE AVENUE                 2701 LOKER AVENUE WEST, STE. 107
ROSEMEAD, CA  91770                     CARLSBAD, CA  92010

SUSAN FREEDMAN                            STEVEN C. NELSON
SENIOR REGIONAL ENERGY PLANNER           ATTORNEY
SAN DIEGO ASSOCIATION OF GOVERNMENTS     SAN DIEGO GAS & ELECTRIC COMPANY
401 B STREET, SUITE 800                  101 ASH STREET, HQ12
SAN DIEGO, CA  92101                    SAN DIEGO, CA  92101-3017

ANNLYN M. FAUSTINO                       JOSHUA BROCK
REGULATORY CASE ANALYST & SUPPORT        SAN DIEGO GAS & ELECTRIC COMPANY
SDG&E/SCGC                                8335 CENTURY PARK COURT, CP12D
8330 CENTURY PARK COURT, CP31E           SAN DIEGO, CA  92123
SAN DIEGO, CA  92123

ROB RUBIN                                CENTRAL FILES
SDG&E / SCG                               SAN DIEGO GAS AND ELECTRIC COMPANY
8335 CENTURY PARK COURT                   8330 CENTURY PARK CT, CP31-E
SAN DIEGO, CA  92123                     SAN DIEGO, CA  92123-1530

JOY C. YAMAGATA                           THOMAS R. BRILL
REGULATORY MGR.                           SR COUNSEL & DIRECTOR
SD GAS & ELECTRIC CO / SOCAL GAS CO      SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP 32 D         8330 CENTURY PARK CT., CP32E
SAN DIEGO, CA  92123-1530                SAN DIEGO, CA  92123-1530
FOR: SAN DIEGO GAS & ELECTRIC COMPANY
AND SOUTHERN CALIFORNIA GAS COMPANY

LINDA GIANNELLI PRATT                    SHARYN BARATA
INTERIM DEPUTY DIRECTOR                   ITRON - CONSULTING AND ANALYSIS
CITY OF SAN DIEGO                        11236 EL CAMINO REAL
9601 RIDGEHAVEN COURT, SUITE 210         SAN DIEGO, CA  92130
SAN DIEGO, CA  92123-1636

DARYL DEJEAN                              RUBEN A. FIGUEROA
EMERGING TECHNOLOGIES ASSOCIATES INC.     IMCO

http://www.cpuc.ca.gov/service_lists/R0911014_78703.htm  5/1/2014
EXECUTIVE DIRECTOR  
VENTURA COUNTY REGIONAL ENERGY ALLIANCE  
800 SOUTH VICTORIA AVE. BM 1940  
VENTURA, CA  93009  
JEFF HIRSCH  
JAMES J. HIRSCH & ASSOCIATES  
12185 PRESILLA ROAD  
CAMARILLO, CA  93012-9243

MONA TIERNEY-LLOYD  
SR MGR. - WESTERN REG. AFFAIRS  
ERNEOIC, INC.  
PO BOX 378  
CAYUCOS, CA  93430  
PETER CANESSA  
CALIFORNIA STATE UNIVERSITY, FRESNO  
660 SOUTHIDGE LANE  
NIPOMO, CA  93444

COURTNEY KALASHIAN  
SAN JOAQUIN VALLEY CLEAN ENERGY ORG.  
4747 NORTH FIRST STREET, SUITE 140  
FRESNO, CA  93726  
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  
SUE MARA  
PRINCIPAL  
RTO ADVISORS, LLC  
164 SPRINGDALE WAY  
REDWOOD CITY, CA  94062

SHAIBYA DALAL  
SAN FRANCISCO PUBLIC UTILITIES COMM.  
525 GOLDEN GATE AVE., 7TH FLOOR  
SAN FRANCISCO, CA  94102-3220  
THERESA L. MUELLER  
CITY AND COUNTY OF SAN FRANCISCO  
CITY HALL, ROOM 234  
1 DR. CARLTON B. GOODLETT PLACE  
SAN FRANCISCO, CA  94102-4682

BOB HINKLE  
PRESIDENT & CEO  
METRUS ENERGY, INC.  
5 THIRD STREET, STE. 1212  
SAN FRANCISCO, CA  94103  
FOR: METRUS ENERGY, INC.  
CAL BROOMHEAD  
DEPT OF ENVIRONMENT, ENERGY SECTION  
CITY AND COUNTY OF SAN FRANCISCO  
1145 MARKET STREET, SUITE 1200  
SAN FRANCISCO, CA  94103

HAYLEY GOODSON  
ATTORNEY  
THE UTILITY REFORM NETWORK  
785 MARKET ST., STE. 1400  
SAN FRANCISCO, CA  94103  
ANDY FESSEL  
PACIFIC GAS & ELECTRIC COMPANY  
245 MARKET STREET, N4Q  
SAN FRANCISCO, CA  94105

CARA GOLDENBERG  
DIAN GRUENEICH CONSULTING, LLC  
201 MISSION STREET, SUITE 1200  
SAN FRANCISCO, CA  94105  
GRANT FUJII  
PACIFIC GAS & ELECTRIC COMPANY  
77 BEALE STREET, MC B9A (996)  
SAN FRANCISCO, CA  94105

HELEN ARRICK  
PACIFIC GAS & ELECTRIC COMPANY  
245 MARKET STREET, N4Q  
SAN FRANCISCO, CA  94105  
JENNY GLUZGOLD  
PACIFIC GAS & ELECTRIC COMPANY  
77 BEALE STREET, B9A  
SAN FRANCISCO, CA  94105
JOHN MCINTYRE                                      KAREN TERRANOVA  
ALCANTAR & KAHL                                 ALCANTAR & KAHL  
33 NEW MONTGOMERY STREET, SUITE 1850          33 NEW MONTGOMERY STREET, SUITE 1850  
SAN FRANCISCO, CA  94105                      SAN FRANCISCO, CA  94105  

LUCY ARNOT                                      MARDI WALTON  
PACIFIC GAS & ELECTRIC COMPANY                  SR. REGULATORY ANALYST  
245 MARKET STREET, N4Q                        PACIFIC GAS AND ELECTRIC COMPANY  
SAN FRANCISCO, CA  94105                      77 BEALE STREET, MC B10B, RM 1003  

MARY A. GANDESBERY                              MARY ANDERSON  
ATTORNEY                                        PACIFIC GAS & ELECTRIC COMPANY  
PACIFIC GAS & ELECTRIC COMPANY                 245 MARKET STREET, N4Q  
77 BEALE STREET, MSB30A / PO BOX 7442         SAN FRANCISCO, CA  94105  
SAN FRANCISCO, CA  94105                      SAN FRANCISCO, CA  94105  

NORA SHERIFF                                    PRISCILLA JOHNSON  
ALCANTAR & KAHL                                 PACIFIC GAS & ELECTRIC COMPANY  
33 NEW MONTGOMERY ST., STE. 1850               245 MARKET STREET, N4Q  
SAN FRANCISCO, CA  94105                      SAN FRANCISCO, CA  94105  

ROBERT KASMAN                                    TERRY FRY  
PACIFIC GAS & ELECTRIC COMPANY                  VP, ENERGY MANAGEMENT  
245 MARKET STREET, N4Q                        NEXANT INC  
SAN FRANCISCO, CA  94105                      101 2ND STREET, 10TH FLOOR  

DAVID L. HUARD                                     DOMINIC WHITTLES  
ATTORNEY AT LAW                                DRAFTFCB  
MANATT, PHELPS & PHILLIPS, LLP                  1160 BATTERY STREET, STE. 250  
ONE EMBARCADERO CENTER, 30TH FLOOR             SAN FRANCISCO, CA  94111  
SAN FRANCISCO, CA  94111                      

DONALD Hladun, Sr.                                 RAFI HASSAN  
PROGRAM MANAGER                                SUSQUEHANNA FINANCIAL GROUP, LLLP  
LOCKHEED MARTIN CORPORATION                     101 CALIFORNIA STREET, SUITE 3250  
275 BATTERY STREET, STE. 750                    SAN FRANCISCO, CA  94111  
SAN FRANCISCO, CA  94111                      

CALIFORNIA ENERGY MARKETS                        SANDY LAWRIE  
425 DIVISADERO ST., SUITE 303                   ENERGY PROCEEDINGS  
SAN FRANCISCO, CA  94117                      PACIFIC GAS AND ELECTRIC COMPANY  
PO BOX 7442, MC B9A                            77 BEALE STREET, MC B10B, RM 1003  
SAN FRANCISCO, CA  94120                      SAN FRANCISCO, CA  94105  

SHADA DADRAS                                      CHRISTINE TAM  
PACIFIC GAS & ELECTRIC COMPANY                  CITY OF PALO ALTO  
PO BOX 770000, MC B10A                        250 HAMILTON AVENUE  
SAN FRANCISCO, CA  94177                     PALO ALTO, CA  94301  

http://www.cpuc.ca.gov/service_lists/R0911014_78703.htm  5/1/2014
ANDY SCHWARTZ                             DANIEL CHIA
SOLARCITY                                 DIR.
3055 CLEARVIEW WAY                        SOLARCITY
SAN MATEO, CA  94402                      3055 CLEARVIEW WAY
SAN MATEO, CA  94402

MARY SUTTER                               MICHAEL ROCHMAN
OPINION DYNAMICS CORPORATION              MANAGING DIRECTOR
2415 ROOSEVELT DRIVE                      SCHOOL PROJECT UTILITIES RATE REDUCTION
ALAMEDA, CA  94501                        1850 GATEWAY BLVD., STE. 235
CONCORD, CA  94520

ANDREW MEIMAN                             FLOYD KENEIPP
ARC ALTERNATIVES                          NAVIGANT CONSULTING, INC.
144 DONALD DRIVE                          1990 N. CALIFORNIA BLVD., STE. 700
MORAGA, CA  94556                         WALNUT CREEK, CA  94596

WESLEY MORGAN                              ANN GRESSANI
PROGRAM MANAGER                           CONSULTANT
ENERNOC, INC.                             3428 JORDAN ROAD
500 YGNACIO VALLEY RD., STE. 450          OAKLAND, CA  94602
WALNUT CREEK, CA  94596

ALEX KANG                                 MICHÈLE RODRIGUEZ
ITRON, INC.                                BEVILACQUA KNIGHT INC.
1111 BROADWAY, STE. 1800                  1000 BROADWAY, STE. 410
OAKLAND, CA  94607                        OAKLAND, CA  94607

RENEE GUILD                               FRANCISCO DEVRIES
ITRON                                     PRESIDENT
1111 BROADWAY ST., SUITE 1800             RENEWABLE FUNDING, LLC
OAKLAND, CA  94607                        500 12TH ST., STE. 300
OAKLAND, CA  94607-4087
FOR: RENEWABLE FUNDING, LLC

TENAYA ASAN                                JOHN L. STOOPS
ASAN CONSTRUCTION & CONSULTING             KEMA, INC.
627 60TH STREET                           155 GRAND AVE., STE. 500
OAKLAND, CA  94609                        OAKLAND, CA  94612

MIKHAIL HARAMATI                           VIEN TROUNG
ASSOCIATE                                 ENVIRONMENTAL EQUITY DIRECTOR
OPINION DYNAMICS CORPORATION              THE GREENLING INSTITUTE
1999 HARRISON ST., STE. 1420              1918 UNIVERSITY AVENUE, 2ND FLOOR
OAKLAND, CA  94612                        BERKELEY, CA  94704

VIEN TROUNG                                ENRIQUE GALLARDO
THE GREENLING INSTITUTE                   ATTORNEY
1918 UNIVERSITY AVE., 2ND FLR.            THE GREENLING INSTITUTE
BERKELEY, CA  94704                        1918 UNIVERSITY AVE., 2ND FL.
BERKELEY, CA  94704-1051

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

LAWRENCE BERKELEY NATIONAL LABORATORY  
BUILDING 90-400  
BERKELEY, CA  94720-8136

PETER HOFMANN  
BO ENTERPRISES  
43-B EAST MAIN STREET  
LOS GATOS, CA  95030

MARSHALL KENEIPP  
NAVIGANT CONSULTING, INC.  
365 GAULT ST.  
SANTA CRUZ, CA  95062

DEMETRA J. MCBRIDE  
DIR. - OFF. OF SUST. & CLIMATE ACTION  
SANTA CLARA COUNTY  
70 W. HEDDING ST., E. WING, 11TH FLR.  
SAN JOSE, CA  95110

REBECCA JAFFE  
CITY OF SAN JOSE-ENVIRONMENTAL SVCS DEPT  
200 EAST SANTA CLARA  
SAN JOSE, CA  95113

JEFFREY SHIELDS  
GEN MGR.  
SOUTH SAN JOAQUIN IRRIGATION DISTRICT  
PO BOX 747  
RIPON, CA  95366-0747

LAUREN CASEY  
CLIMATE PROTECTION ROGRAM MANAGER  
SCTA/RCPA  
490 MENDOCINO AVE., STE. 206  
SANTA ROSA, CA  95401  
FOR: SONOMA COUNTY TRANSPORT AUTHORITY  
(SCTA)/REGIONAL CLIMATE PROTECTION AUTHORITY (RCPA)

MISTY MERSICH  
CLIMATE PROTECTION PROGRAM ANALYST  
SONOMA CTY REGIONAL CLIMATE PROTECTION  
490 MENDOCINO AVE., STE. 206  
SANTA ROSA, CA  95401

BARBARA R. BARKOVICH  
BARKOVICH & YAP, INC.  
44810 ROSEWOOD TERRACE  
MENDOCINO, CA  95460

DOUGLAS M. GRANDY, P.E.  
CALIFORNIA ONSITE GENERATION  
1220 MACAULAY CIRCLE  
CARMICHAEL, CA  95608

MARK BERMAN  
DAVIS ENERGY GROUP  
123 C STREET  
DAVIS, CA  95616

SMITA GUPTA  
SR. ENERGY CONSULTANT  
ITRON, INC.  
330 MADSON PLACE  
DAVIS, CA  95618-6599

TONI TURNBULL  
DIRECTOR-MARKETING & BUSINESS DEV'T.  
CALCERTS, INC.  
31 NATOMA STREET, NO.120  
FOLSOM, CA  95630

DOUGLAS MAHONE  
HESCHONG MAHONE GROUP, INC.  
11211 GOLD COUNTRY BLVD., STE. 103  
GOLD RIVER, CA  95670

JULIEANN SUMMERFORD  
HESCHONG MAHONE GROUP  
11211 GOLD COUNTRY BLVD.  
GOLD RIVER, CA  95670

LAURENE PARK  
WATER ENERGY INNOVATIONS, INC.  
2060 MAIDU WAY  
GOLD RIVER, CA  95670

SOPHIA HARTKOPF  
PROJECT MANAGER  
HESCHONG MAHONE GROUP, INC.  
11211 GOLD COUNTRY BLVD., STE. 103  
GOLD RIVER, CA  95670

LORRAINE WHITE  

LON W. HOUSE
State Service

CARMEN BEST
CALIFORNIA PUBLIC UTILITIES COMMISSION
ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

DAVID B. PECK
CPUC - ORA
ELECTRICITY PRICING & CUSTOMER PROGRAM
EMAIL ONLY
EMAIL ONLY, CA 00000

JACLYN MARKS
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY, CA 00000

MICHAEL COLVIN
ADVISOR - ENERGY
CPUC
EMAIL ONLY
EMAIL ONLY, CA 00000

TAMI RASMUSSEN
EVERGREEN ECONOMICS
EMAIL ONLY
EMAIL ONLY, CA 00000

AARON LU
CALIF PUBLIC UTILITIES COMMISSION
DEMAND SIDE ANALYSIS BRANCH
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ANDREW KOTCH
CALIF PUBLIC UTILITIES COMMISSION
EXECUTIVE DIVISION
ROOM 5301
505 VAN NESS AVENUE
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michaela Flagg</td>
<td></td>
<td>Calif Public Utilities Commission</td>
</tr>
<tr>
<td>Monisha Gangopadhyay</td>
<td></td>
<td>Calif Public Utilities Commission</td>
</tr>
<tr>
<td>Peter Franzeze</td>
<td></td>
<td>Calif Public Utilities Commission</td>
</tr>
<tr>
<td>Simon Baker</td>
<td></td>
<td>Calif Public Utilities Commission</td>
</tr>
<tr>
<td>Terrie D. Prosper</td>
<td></td>
<td>Calif Public Utilities Commission</td>
</tr>
<tr>
<td>Todd O EDMister</td>
<td></td>
<td>Calif Public Utilities Commission</td>
</tr>
<tr>
<td>Xian &quot;Cindy&quot; Li</td>
<td></td>
<td>Calif Public Utilities Commission</td>
</tr>
<tr>
<td>Cynthia Rogers</td>
<td></td>
<td>Calif Public Utilities Commission</td>
</tr>
</tbody>
</table>

Address: 505 Van Ness Avenue, San Francisco, CA 94102-3214
Non-Email Parties

WENDY RIDDERBUSCH
ASSN. OF CALIFORNIA WATER AGENCIES
910 K S., STE. 100
SACRAMENTO, CA 95814
(R.09-11-014)