



# Fact Sheet

## Statewide Residential Programs (2013-2014)

### March 2013

This comprehensive Plan is the state's first integrated framework of goals and strategies for saving energy, covering government, utility, and private sector actions, and holds energy efficiency to its role as the highest priority resource in meeting California's energy needs.

California Statewide Residential Energy Efficiency Program (CalSPREE) offers rebates and incentives for a wide range of appliances and whole house programs to single and multi-family residents.

Program by Utility	PG&E	SCE	SDG&E	SoCalGas	Total
<b>Energy Advisor Program</b>					
Budget	\$24,555,666	\$6,819,337	\$3,177,726	\$2,378,112	<b>\$36,930,841</b>
kWhr Saving	149,983,025	7,226,167	N/A	N/A	<b>157,209,192</b>
kW Reduction	N/A	3,469	N/A	N/A	<b>3,469</b>
Therm Reduction	5,675,440	N/A	N/A	N/A	<b>5,675,440</b>
<b>Plug Load and Appliances</b>					
Budget	\$37,896,160	\$28,591,225	\$12,277,783	\$531,486	<b>\$79,296,654</b>
kWhr Saving	78,765,515	82,873,095	33,767,874	N/A	<b>195,406,484</b>
kW Reduction	5,624	14,311	5,721	N/A	<b>25,656</b>
Therm Reduction	(240,374)	N/A	131,845	3,908,645	<b>3,800,116</b>
<b>Energy Upgrade California</b>					
Budget	29,700,022	7,010,781	11,324,594	13,344,626	<b>71,380,023</b>
kWhr Saving	11,520,361	7,183,730	2,372,625	N/A	<b>21,076,716</b>
kW Reduction	14,378	4,881	1,898	N/A	<b>21,157</b>
Therm Reduction	1,181,341	N/A	542,857	386,144	<b>2,110,342</b>
<b>Multifamily Energy Efficiency Rebates Program</b>					
Budget	1,265,471	23,495,962	3,402,589	2,767,910	<b>30,931,932</b>
kWhr Saving	2,231,924	71,425,085	4,141,338	12,562	<b>77,810,909</b>
kW Reduction	414	12,501	470	7	<b>13,392</b>
Therm Reduction	180,000		161,626	1,277,092	<b>1,618,718</b>
<b>HVAC Program</b>					
Budget	16,135,031	3,865,177	2,830,601	406,434	<b>23,237,243</b>
kWhr Saving	7,021,254	63,628	3,960,938	0	<b>11,045,820</b>
kW Reduction	6,610	133	114	0	<b>6,857</b>
Therm Reduction	(28,831)	0	(4,349)	0	<b>(33,180)</b>
<b>Res New Construction</b>					
Budget	\$20,331,233	7,002,676	5,155,795	5,613,382	<b>38,103,086</b>
kWhr Saving	7,232,498	778,515	948,359	1,619,704	<b>10,579,076</b>
kW Reduction	11,359	1,661	1,277	2,287	<b>16,584</b>
Therm Reduction	1,214,257	N/A	95,730	383,064	<b>1,693,051</b>
<b>California Advanced Homes Program</b>					
Budget	20,331,233	3,486,676	5,033,427	5,613,382	<b>34,464,718</b>
kWhr Saving	7,232,498	778,515	774,834	1,619,704	<b>10,405,551</b>
kW Reduction	11,359	1,661	1,225	2,287	<b>16,532</b>
Therm Reduction	1,214,257	N/A	93,642	383,064	<b>1,690,963</b>
<b>Energy Star Manufactured Homes Program</b>					
Budget	N/A	3,516,000	\$122,367	N/A	<b>3,638,367</b>
kWhr Saving	N/A	N/A	173,525	N/A	<b>173,525</b>
kW Reduction	N/A	N/A	52	N/A	<b>52</b>
Therm Reduction	N/A	N/A	2,088	N/A	<b>2,088</b>
<b>Total Statewide Programs by Utility</b>					
<b>Budget</b>	<b>\$150,214,816</b>	<b>\$93,787,834</b>	<b>\$43,324,882</b>	<b>\$30,655,332</b>	<b>\$317,982,864</b>

<b>kWhr Saving</b>	263,987,075	170,328,735	46,139,493	3,251,970	<b>483,707,273</b>
<b>kW Reduction</b>	49,744	38,617	10,705	4,581	<b>103,647</b>
<b>Therm Reduction</b>	<b>9,196,090</b>	<b>0</b>	<b>1,023,439</b>	<b>6,338,009</b>	<b>16,557,538</b>

\* The SoCalGas 2013-14 overall RNC filing incorporated Energy Star Manufactured Homes, therefore did not include budget or savings goals specific to Energy Star Mobile. SCE filed a budget but savings are incorporated into the CAHP.



## Program Descriptions

### **Energy Advisor Program:**

Utilizes interactive tools designed to engage customers and encourage participation in innovative energy initiatives. Energy Advisor includes residential surveys for homeowners and renters in multiple options and languages, similar-home/neighborhood energy comparisons, customized integrated energy saving tips and comprehensive home energy use reports. These initiatives are designed to assist customers understand and manage their energy use, guide them, where appropriate, towards advancing whole-house energy solutions and educate them on other integrated demand side management programs and services offered by their utility.

### **Plug Load and Appliance:**

The Plug Load and Appliances subprogram merges the previous Home Energy Efficiency Rebate (HEER), Business Consumer Electronics (BCE) and Appliance Recycling subprograms. This subprogram will develop and build upon existing retailer relationships and will include recycling strategies and whole house solutions, plug load efficiency, and opportunities for integration with local government, water agencies, Publically Owned Utilities (POUs), and the Demand Side Management (DSM) subprogram.

### **Energy Upgrade California**

The Energy Upgrade California program will transform the residential energy improvement market by:

- Offering both a basic and advanced program level for customers;
- Educating customers on the house-as-a-system (or whole house) concept to encourage behavior changes that increase residential energy efficiency;
- Educating contractors on the benefits of learning how to properly sell and install whole house measures;
- Offering incentives that influence customers and contractors to undertake comprehensive residential retrofits; and
- Promoting coordination with relevant external funding, financing and workforce education and training efforts at the county, state, and federal levels.

California's investor-owned utilities (IOUs) will market both the basic and advanced program options under one single brand, Energy Upgrade California. This brand will be jointly managed by the California Energy Commission and the CPUC. The IOU programs seek to enroll customers through a targeted marketing approach that focuses on high energy use homes built pre-1978 (the year that Title 24, California's building code on energy efficiency, was instituted), previous energy efficiency adopters, and new homeowners at the time of transition.

#### Basic Option

This program level is an easy entry point for customers on the road to deeper energy efficiency retrofits. It offers a \$1,000 rebate for homeowners who install a bundled, basic package of measures estimated to achieve 10 percent energy savings. The program will target between 38,000-58,000 homes. Participating contractors will be required to have a Building Performance Institute (BPI) Analyst on each team for combustion safety testing and participate in a brief program-specific training course in addition to maintaining proper licensing, bonding, and insurance requirements.

**Package of Measures to Qualify for the Energy Upgrade California Basic Option Rebate**

- Blower-door-based air sealing;
- Attic insulation;
- Pipe wrap for all accessible domestic hot water heater piping;
- Duct sealing; and
- *Optional Measure* – Low Flow Showerhead **or** Thermostatic Control Valve for Showerheads.

Advanced Option

This program level provides customers with a more robust and flexible set of measures seeks to achieve deeper savings with comprehensive home energy improvements. The program requires diagnostic test- in/test-out whole house assessments consistent with prevailing state and national standards. Participating contractors are required to have a BPI Certification in appropriate categories, and are strongly encouraged to have firm-wide BPI accreditation in addition to maintaining proper licensing, bonding, and insurance requirements.

<b>Advanced Option Incentives</b>	
Energy Savings: Percent Reduction	Incentive Amount
10% (Edison/SoCalGas/SDG&E)	\$1,250
15% (PG&E)	\$1,500
20%	\$2,000
25%	\$2,500
30%	\$3,000
35%	\$3,500
40% +	\$4,000



**Multifamily Energy Efficiency Rebates Program:**

Offers rebates for efficient products for multi-family owners and managers to install these products in commons and individual dwelling areas in multi-family condominium and mobile home complexes. - Measures offered range from lighting products to central natural gas furnaces.

**HVAC Programs**

The Heating, Ventilation, and Air Conditioning (HVAC) programs build on the Long Term Energy Efficiency Strategic Plan’s vision and goals. HVAC program strategies use existing programs, education, marketing, and leverage relationships within the HVAC industry to transform the market into a sustainable, quality-driven market. Residential and small commercial HVAC programs strive to have technology, equipment, installation, and maintenance is of the highest quality to promote energy efficiency and peak load reduction in California’s climate.

**Residential HVAC Quality Maintenance**

This program area focuses on energy and demand savings achieved through the regular application of comprehensive, continuously improving Operation and Maintenance activities applied to existing residential HVAC equipment. It represents one of the more creative aspects of the HVAC “Big Bold Energy Efficiency Strategy”. This is based on the assumption that there are energy and demand savings achievable through the regular application of quality maintenance (QM) procedures applied to existing residential HVAC equipment.

**Residential HVAC Quality Installation Development**

Residential Quality Installation Development is applicable to quality installation (QI) of split or packaged HVAC systems, with a rated capacity up to 65,000 BTU/H. This program element is based on the assumption that energy and demand savings are achievable through the application of QI in accordance with appropriate industry standards applied to new residential HVAC equipment.

**Residential New Construction:**

The RNC subprogram is a continuing statewide program that consists of the California Advanced Homes Program (CAHP) and, in Southern California, the Energy Star Manufactured Homes (ESMH) Program. The Program is designed to help guide builders to produce the most efficient homes in the most cost-effective manner, and will examine methodologies for supporting the Strategic Plan target of zero net energy (ZNE) by 2020.

**California Advanced Home Program (CAHP):**

Through a pay-for-performance incentive structure and a whole building approach, CAHP is designed to increase market demand for energy efficient multifamily and single family homes by encouraging builders to exceed Title 24 building efficiency standards by 15 to 45 percent. Performance Bonus adders and prescriptive measure incentives are included to encourage ENERGY STAR® appliances and solar photovoltaic installations. Non- incentive customer services will be offered such as technical support to energy analysts and design teams, Design Team Assistance, economic modeling/measure selection support to builders, marketing support, and demand-side management coordination support for builders. The CAHP will also work with Advanced Metering Infrastructure teams to test and develop in-home displays of energy use patterns.

**Zero Net Energy Program**

The zero net energy (ZNE) component of the CAHP promotes zero peak energy pilot custom homes via a peak kW incentive and a zero peak solar photovoltaic panel incentive. The minimum threshold for builder use of these incentives is a whole building performance level that is at least 45 percent higher than Title 24 standards (2008). Projects must also meet Leadership in Energy & Environmental Design (LEED) for Homes (silver) equivalent or qualify for a minimum of 100 points from Build It Green's Green Point Rated system. This incentive is linked to the Sustainable Communities pilot projects of Southern California Edison, San Diego Gas and Electric Company, and Southern California Gas Company. Pacific Gas and Electric Company has a related ZNE building pilot program (also see Fact Sheet on Utility Zero Net Energy Home and Commercial Building Pilot Projects).

**ENERGY STAR® Manufactured Homes Program**

This program promotes the construction of new manufactured homes that comply with ENERGY STAR® standards by encouraging manufacturers to go beyond federal Department of Housing and Urban Development specifications. Targeted measures include high efficiency and right size HVAC systems. The goal is to increase the efficiency of the whole home while moving the industry towards zero net energy.