



South Bay Cities Energy Efficiency Program Quarterly Update

SBCCOG Board of Directors Meeting

April 23, 2015



Overview

1. Energy Savings Activity
2. SCE Energy Leader Partnership Program
3. SCE Direct Install Program
4. Special Initiatives










Energy Savings Activity

- 2014 Energy Savings
 - Electricity – **2,056,942 kWh**, exceeded SCE goal by **20%**.
 - Natural Gas – **9,697 therms**, reached **97%** of SCG goal.
- Current Project Activity
 - **1,795,692 kWh** savings in progress. Expecting to exceed 2015 goal by 5%.
 - **18,399 therms** savings underway. Expecting to exceed 2015 goal by 84%.
- Future Cost Savings Identified
 - 13.6M kWh and 26k therms savings per year
 - \$2.9M cost savings per year
 - 10,648 tons GHG reduced per year
 - \$2.4M cash incentives



Energy Leader Partnership Program

- ELP offers South Bay Cities financial, technical and marketing support to implement EE and DR.
- City Tier Levels
 - Lawndale, Lomita, Manhattan Beach  Platinum (\$0.12/kWh)
 - El Segundo, Hawthorne, Inglewood, RPV, **Carson**  Gold (\$0.09/kWh)
 - 3 Cities  Silver (\$0.06/kWh)
 - 4 Cities  Valued (\$0.03/kWh)
- Cities Likely Moving Up 2015
 - Silver  - Gardena
 - Gold  - Redondo Beach, Torrance
 - Platinum  - Hermosa Beach, Hawthorne, Rancho Palos Verdes



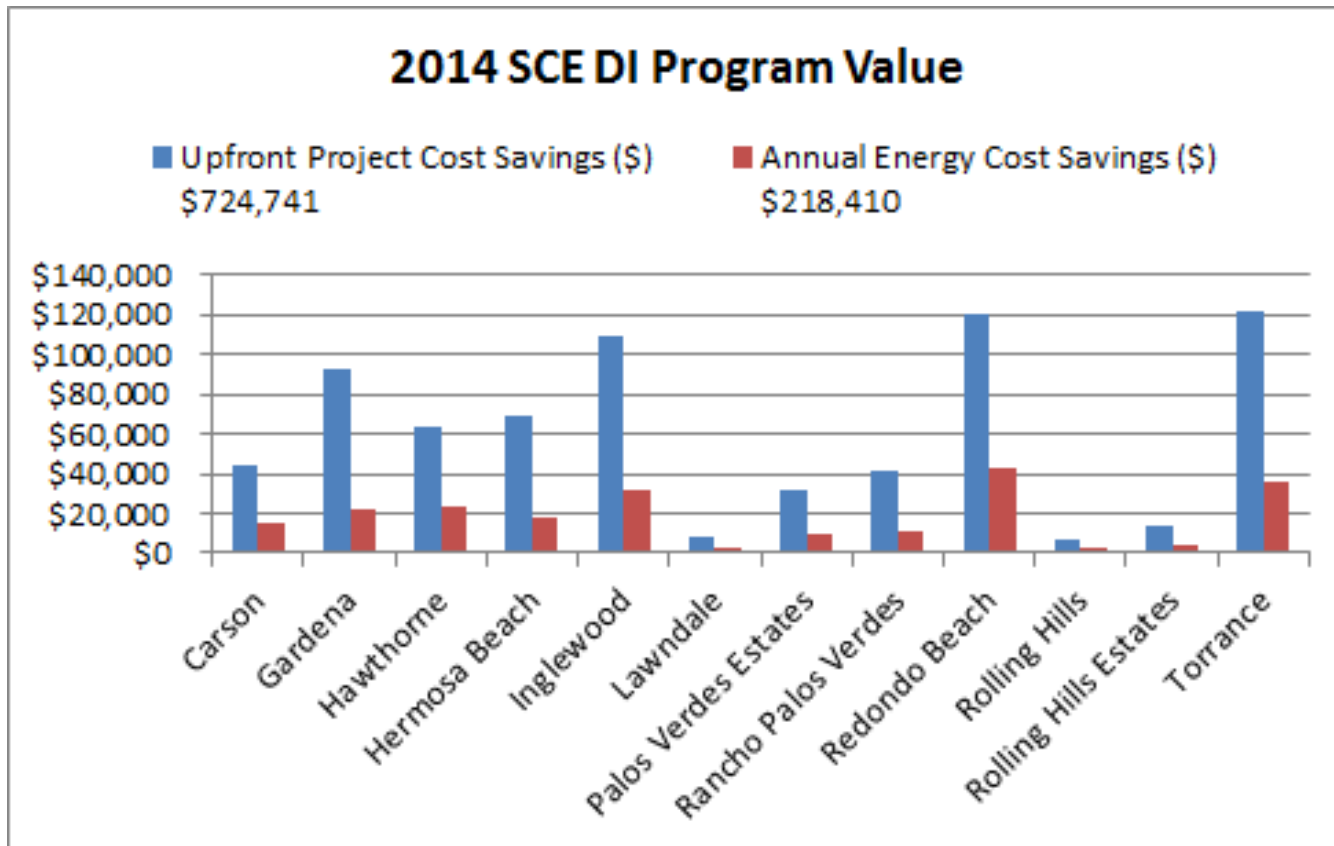
Energy Savings Since 2010

City / District	2010 - Present Achieved Savings / Incentives					ELP Level
	Annual Savings kWh	Annual Savings Therms	Annual GHG Emissions (tons)	Incentive / DI Cost Savings (\$)	Annual Energy Cost Savings (\$)	
Carson	708,911	2,033	558	\$102,082	\$100,594	Gold
El Segundo	139,394	0	108	\$17,274	\$25,157	Gold
Gardena	276,386	0	213	\$116,894	\$37,049	Valued
Hawthorne	192,787	0	149	\$77,285	\$41,859	Gold
Hermosa Beach	170,169	0	131	\$80,121	\$25,490	Silver
Inglewood	1,467,556	0	1,132	\$286,954	\$275,605	Gold
Lawndale	110,682	6,614	122	\$32,272	\$25,242	PLATINUM
Lomita	159,281	13	123	\$22,350	\$21,135	PLATINUM
Manhattan Beach	1,034,689	0	798	\$145,255	\$117,437	PLATINUM
Palos Verdes Estates	63,186	0	49	\$31,233	\$9,010	Valued
Rancho Palos Verdes	51,689	0	40	\$41,238	\$11,051	Gold
Redondo Beach	759,046	467	588	\$165,066	\$92,870	Silver
Rolling Hills Estates	47,374	0	37	\$15,082	\$8,775	Valued
City of Rolling Hills	12,050	0	9	\$7,111	\$2,465	Valued
Torrance	1,172,352	16,902	998	\$265,269	\$187,394	Silver
Hawthorne USD	0	941	5	\$1,938	\$922	N/A
Inglewood USD	0	3,876	21	\$6,000	\$3,798	
Manhattan Beach USD	0	2,386	13	\$1,980	\$2,338	
PV USD	0	84,845	468	\$43,298	\$83,148	
Torrance USD	0	13,065	72	\$18,458	\$12,804	
West Basin MWD	0	911	5	\$990	\$893	
Total	6,365,553	132,053	5,640	\$1,478,149	\$1,085,037	



SCE Direct Install Program

- FREE Equipment and Installation for Qualified Measures
 - High efficiency fluorescents, motion sensors, screw-in LEDs.
 - Work performed by SCE qualified contractors.
 - 2015 Program offers new measures – i.e., pool pump VFD, A/C controls.





Special Initiatives

- Several Cities Participating in OBF Program – Carson, Gardena, Hermosa Beach, Inglewood. Many more could qualify.
 - Cities can fund qualified energy efficiency projects (gas / electric) at **zero interest** and with **no fees**.
 - City will repay SCG or SCE in monthly installments added as a line item on the City's utility bill.
 - The loan is **bill neutral**.
 - Qualified projects must be eligible for incentives and payback in 10 years or less.
- SBCCOG Facilitating Energy Manager's Meetings for City Staff.
- SCE Planning to Convert Utility-Owned Streetlights to LED.
- Some Cities are Still Pursuing the Purchase of Utility-Owned Streetlights. Need to submit pole valuation request by Aug 1st.
- Supporting SCG Incentive Programs in LA District 15.

The logo for gse solutions features the company name in a white, lowercase, sans-serif font. The text is centered and overlaid on a cluster of several overlapping red circles of varying sizes, which are arranged in a roughly circular pattern. The background of the entire image is a solid, vibrant red color.

gse solutions

PHONE 760 214 6805

EMAIL gstevens@gse-solutions.com

ADDRESS 800 Grand Avenue, Suite B8B
Carlsbad, California 92008