

South Bay Cities Energy Efficiency Program Quarterly Update

**Board of Directors Meeting
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Presented by:

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This work is funded by California utility customers and administered by Southern California Edison and Southern California Gas under the auspices of the California Public Utilities Commission.

Overview

- Energy Tier Levels
- 2018 Program Highlights
- Program Milestones Since 2010
- Project Pipeline
- Looking Ahead



Energy Tier Levels



20% Savings
\$0.12/kWh

Carson, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates, Rancho Palos Verdes, Rolling Hills Estates, **Torrance**



10% Savings
\$0.09/kWh

El Segundo, Gardena, Redondo Beach, Rolling Hills

2018 Program Highlights



1.5x Electric Savings Goal

5x Gas Savings Goal



\$679k Utility Incentives

\$99k Direct Install Value

\$346k Annual Cost Savings



1,735 Tons Annual GHG Reduction

(equivalent to 333 passenger vehicles per year)

Program Milestones Since 2010



\$3.1M Utility Incentives

\$1.6M Direct Install Value

\$1.8M Annual Cost Savings



Reduced energy consumption = 2,296 passenger vehicles per year

Program Milestones Since 2010

City / District	2010 - Present Achieved Savings / Incentives						ELP Level
	Annual Savings kWh	Annual Savings Therms	Incentive (\$)	Direct Install Value (\$)	Annual Energy Cost Savings (\$)	Annual GHG Emissions Reduction (Tons)	
Carson	1,640,982	14,179	\$295,693	\$90,392	\$238,224	1,344	PLATINUM
El Segundo	197,901	0	\$17,274	\$52,948	\$33,297	153	Gold
Gardena	488,599	0	\$45,734	\$118,748	\$57,735	377	Gold
Hawthorne	505,736	5,004	\$88,956	\$193,701	\$98,368	418	PLATINUM
Hermosa Beach	698,343	0	\$136,897	\$136,640	\$86,137	539	PLATINUM
Inglewood	2,509,330	427	\$650,101	\$216,498	\$304,198	1,939	PLATINUM
Lawndale	146,179	6,832	\$23,790	\$25,358	\$36,812	150	PLATINUM
Lomita	159,281	13	\$22,350	\$0	\$21,147	123	PLATINUM
Manhattan Beach	1,176,841	0	\$162,767	\$147,185	\$154,801	908	PLATINUM
Palos Verdes Estates	79,709	0	\$0	\$55,088	\$11,443	62	PLATINUM
Rancho Palos Verdes	92,273	0	\$9,075	\$81,697	\$15,944	71	PLATINUM
Redondo Beach	1,042,023	467	\$65,838	\$119,751	\$121,620	807	Gold
Rolling Hills	13,781	0	\$0	\$10,896	\$2,742	11	Gold
Rolling Hills Estates	78,180	0	\$10,979	\$29,988	\$11,994	60	PLATINUM
Torrance	4,841,953	23,699	\$1,409,512	\$337,605	\$392,136	3,867	PLATINUM
Hawthorne USD	0	941	\$1,938	\$0	\$922	5	N/A
Inglewood USD	0	3,876	\$6,000	\$0	\$3,798	21	
Los Angeles USD	0	45,000	\$67,500	\$0	\$45,000	248	
Manhattan Beach USD	0	4,385	\$5,978	\$0	\$4,297	24	
PV USD	0	91,178	\$51,042	\$0	\$89,354	503	
Redondo Beach USD	0	314	\$942	\$0	\$308	2	
Torrance USD	0	18,857	\$21,858	\$0	\$18,479	104	
West Basin MWD	0	911	\$990	\$0	\$893	5	
Total	13,671,113	216,082	\$3,095,215	\$1,616,497	\$1,749,649	11,740	

Municipal Energy Project Pipeline

City	Facility	EEMs	Est kWh Svgs	Est therms Svgs	Est Incentives (\$)	Est Cost Savings (\$)
Carson	City-owned Street Lights (Phase 2)	LED lighting	588,596	-	\$234,752	\$49,083
Carson	Park Sports Lighters	Exterior LED Lighting	733,452	-	\$124,687	\$116,685
El Segundo	Parks	Exterior LED Lighting	184,396	-	\$31,347	\$41,094
Gardena	Mas Fukai Park	Interior/Exterior LED lighting	78,125	-	\$13,281	\$12,500
Hawthorne	Parks	Exterior LED Lighting	194,254	-	\$38,851	\$37,275
Hermosa Beach	Pier Ave	Exterior LED Lighting	29,574	-	\$5,915	\$5,725
Inglewood	City Hall	Chiller VFD / HVAC Controls / Boilers	238,000	427.1	\$63,645	\$38,080
Inglewood	Parks	Exterior LED Lighting	477,067	-	\$81,101	\$74,005
Manhattan Beach	Street lights (LS-1 to LS-2 conversion)	LED lighting	517,922	-	\$103,584	\$150,197
Manhattan Beach	Parks Sports Lighters	Exterior LED Lighting	305,597	-	\$61,119	\$89,387

Municipal Energy Project Pipeline (cont'd)

City	Facility	EEMs	Est kWh Svgs	Est therms Svgs	Est Incentives (\$)	Est Cost Savings (\$)
Rancho Palos Verdes	Street lights (LS-1 to LS-2 conversion)	LED lighting	557,976	-	\$240,992	\$161,813
Palos Verdes Estates	Civic Center + Roadway	LED lighting	33,739	-	\$7,240	\$4,028
Redondo Beach	Decorative street lights Esplanade	LED lighting	42,311	-	\$7,193	\$3,596
Redondo Beach	Parks	LED lighting	381,513	-	\$64,857	\$76,583
Rolling Hills	Tennis Courts	LED lighting	9,000	-	-	\$7,492
Torrance	Parks	Exterior LED Lighting	841,894	-	\$143,122	\$210,022
Torrance	Toyota Meeting Hall	Interior LED lighting	16,741	-	-	\$2,679
Torrance	City Hall, Library, PD	LED lighting	837,954	-	-	\$98,711
Torrance	Plunge Pool	VFD and Pump Motor	172,003	-	\$29,240	\$18,920
		Total	6,240,113	427	\$1,250,927	\$1,197,876

Looking Ahead

- **Energy Benchmark municipal buildings**
 - 50k sq-ft or greater reporting deadline June 1, 2019 (helping cities meet state mandates)
- **Utility management software**
 - Easily track and manage utility costs
 - Energy Benchmarking
 - Assist with project identification
 - Identify funding for this tool
- **Funding for equipment inventories**
 - Establish baseline for future incentive programs
 - Actionable information to support project development
- **Meeting with 3rd Party Program Providers**
 - Searching for 2020 program partners
 - Identify funding to keep the program going
- **SCE rates are changing**
 - Peak period moving to 4PM – 9PM
 - SBCCOG evaluating impact of rate changes

Looking Ahead

Important Message to Cities:

Begin work on projects as soon as possible and complete them in a timely manner!

QUESTIONS?

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Visit our SBCCOG energy management website at:
<http://www.southbaycities.org/programs/energy-management>