

# South Bay Cities Energy Efficiency Program Quarterly Update

**Board of Directors Meeting  
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Presented by:

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# Overview

- SCE ELP Tier Level Update
- Energy Savings Impact Since 2010
- Municipal Energy Project Pipeline
- Direct Install Program
- What's Coming?



# SCE Energy Leader Partnership (ELP) Program

- Provides South Bay Cities with **financial, technical** and **marketing** support to implement **Energy Efficiency** and **Demand Response**.
- City Tier Levels – Beginning Q1 2018
  - Platinum  (**\$0.12/kWh incentive**) – Hawthorne, **Hermosa Beach**, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates
  - Gold  (**\$0.09/kWh incentive**) – Carson, El Segundo, Gardena, Inglewood, Rancho Palos Verdes, Redondo Beach, Rolling Hills, Rolling Hills Estates, Torrance
  - Silver  (**\$0.06/kWh incentive**)
  - Valued  (**\$0.03/kWh incentive**)
- Cities Likely Moving Up in 2018
  - Platinum  Carson, Inglewood, Rancho Palos Verdes, Rolling Hills Estates

# Energy Savings Impact 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	805,449	8,323	\$111,352	\$62,467	\$117,090	667	Gold
El Segundo	197,148	0	\$17,274	\$51,484	\$33,177	152	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	501,535	0	\$49,540	\$136,640	\$79,957	387	PLATINUM
Inglewood	1,572,983	0	\$177,394	\$216,498	\$213,281	1,214	Gold
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	1,109,484	0	\$145,255	\$147,185	\$129,404	856	PLATINUM
Palos Verdes Estates	79,709	0	\$0	\$55,088	\$11,443	62	PLATINUM
Rancho Palos Verdes	70,195	0	\$0	\$81,697	\$14,012	54	Gold
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	54,593	0	\$878	\$29,988	\$9,930	42	Gold
Torrance	1,817,238	23,699	\$220,983	\$332,355	\$296,051	1,533	Gold
Hawthorne USD	0	941	\$1,938	\$0	\$922	5	N/A
Inglewood USD	0	3,876	\$6,000	\$0	\$3,798	21	
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	
<b>Total</b>	<b>8,563,934</b>	<b>164,799</b>	<b>\$1,058,093</b>	<b>\$1,581,858</b>	<b>\$1,360,819</b>	<b>7,516</b>	

# Municipal Energy Project Pipeline

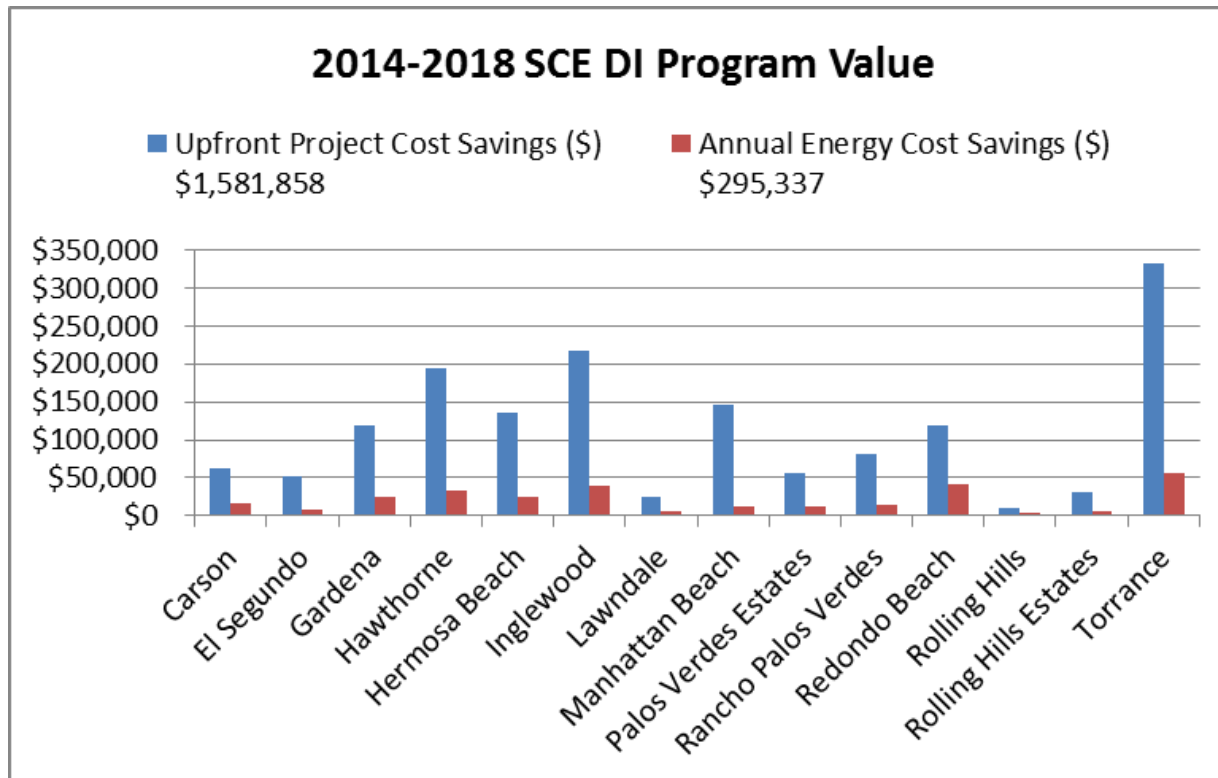
City	Facility	EEMs	Est kWh Svgs	Est therms Svgs	Est Incentives (\$)	Est Cost Savings (\$)
Carson	Carson Park	LED Lighting/Water Heater/VFD	28,578	-	\$6,144	\$4,650
Carson	Hemingway Park	Pool pump VFD	51,758	-	\$11,646	\$8,421
Carson	City-owned Street Lights (Phase 2)	LED lighting	588,596	-	\$234,752	\$49,083
Carson	Community Parks	Exterior LED Lighting	729,931	-	\$156,667	\$96,432
Carson	Park Sports Lighters	Exterior LED Lighting	733,452	-	\$124,687	\$116,685
Gardena	Rowley Park	Interior/Exterior LED lighting	284,534	-	\$24,626	\$45,526
Gardena	Mas Fukai Park	Interior/Exterior LED lighting	78,125	-	\$13,281	\$12,500
Hermosa Beach	Pier Ave	Exterior LED Lighting	29,574	-	\$5,915	\$5,725
Hermosa Beach	Street Lights (LS-1 E Option)	LED lighting	212,423	-	\$49,908	\$6,180
Inglewood	Street Lights (Phase 2-LS2)	LED lighting	646,254	-	\$396,830	\$96,073
Inglewood	City Hall	Elevator motor-generator set	121,900	-	\$29,007	\$19,504

# Municipal Energy Project Pipeline (cont'd)

City	Facility	EEMs	Est kWh Svgs	Est therms Svgs	Est Incentives (\$)	Est Cost Savings (\$)
Inglewood	City Hall	Chiller VFD / HVAC Controls	291,870	11,035.0	\$115,022	\$57,513
Manhattan Beach	Live Oak Park, El Porto Parking Lot, Manhattan Heights Park	Exterior LED Lighting	55,305	-	\$13,890	\$20,010
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
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
Rolling Hills Estates	Street lights (LS-2)	LED lighting	58,409	-	\$10,327	\$5,112
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
Torrance	Street Lights (LS-1 E Option)	LED lighting	3,679,729	-	\$625,554	\$95,653
		<b>Total</b>	<b>10,074,679</b>	<b>11,035</b>	<b>\$2,267,625</b>	<b>\$1,168,397</b>

# Direct Install Programs

- **FREE or Discounted Price for Qualified Measures.**
  - SCE offers FREE LED tubes and LED retrofit kits w/ \$25 co-pay.
  - SCG's program structure is similar. Has not officially rolled out.
  - Work performed by SCE/SCG qualified contractors.
  - 14 South Bay cities participated in SCE program from 2014 – 2018.



# What's Coming?

- We're expecting a BIG year for completion of projects.
  - 2.5M kWh savings, 2x our SCE annual goal.
  - \$895k incentives, \$312k annual cost savings.
- Rollout of SCG Direct Install program is expected to bring in gas savings this year.
- Strategic Plan funds available for:
  - Continue being centralized energy manager for all our cities.
  - Research and Identify tool(s) to track and manage utility costs.
  - Energy benchmark a set number of buildings within the overall municipal portfolio.
- Incentive programs continue to evolve at a fast pace. Causing incentive rates and qualified measures to change.
- Begin work on projects as soon as possible and complete them in a timely manner.



# QUESTIONS?

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