

# South Bay Cities Council of Governments

June 22, 2017

TO: SBCCOG Board of Directors

FROM: Jacki Bacharach, SBCCOG Executive Director  
Kim Fuentes, Deputy Executive Director

SUBJECT: Environmental Activities Report – May 2017

## Adherence to Strategic Plan:

*Goal A: Environment, Transportation, and Economic Development.* Facilitate, implement, and/or educate members and others about environmental, transportation, and economic development programs that benefit the South Bay.

## I. PROGRAMS - TECHNOLOGY, PLANNING, & RESEARCH

### **Climate Action Planning**

#### Strategic Growth Council (SGC) Grant

The following reports on the five greenhouse reduction measures that are under development as part of the SGC grant – land use, transportation, waste, greening, and energy generation/storage. Once these sections are completed, cities will receive a final Climate Action Plan (CAP) for their council approval before the end of 2017. In addition, this work includes developing a sub-regional CAP. Activities completed for the month of May include:

- Land Use/Transportation: Input sheets have been created to collect information from the cities to calculate GHG emissions. All questions regarding the emissions calculation tool have been addressed by Fehr and Peers the CAP consultants. SBCCOG staff and consultants have begun working with cities to collect the information. A schedule has been developed to set the completion dates for all remaining deliverables for the project. There has been continued analysis on the NAIC center composition as well as draft chapters for the Regional CAP.
- Energy Generation & Storage and Waste & Greening: SBCCOG staff has received staff-sign off from all cities. SBCCOG staff is working on drafting the chapters with the approved strategies.
- CAP Co-benefits: A co-benefit spreadsheet is being developed for SBCCOG staff to compare co-benefits of GHG reduction measures with other CAPs. Co-benefits will be listed for each of the sections in the final city CAPs and can help leverage the CAPs for cities to obtain future implementation funding.

### **Energy Efficiency**

#### Energy Efficiency Partnership Program – Southern California Edison (SCE)

**2017 Energy Saving Goal:** 1,245,812 kWh

**2017 Demand Reduction Goal:** 78 kW

**2017 Status:** 301,774 kWh; 83 kW

<b>PIPELINE TOTALS</b>	<b>Estimated kWh savings</b>	<b>Estimated Therm Savings</b>	<b>Estimated Incentive (\$)</b>
	5,154,056	15,535	\$1,275,422

The SBCCOG staff along with the energy engineer have regular conference calls every few weeks with the cities of Carson, Inglewood, and Torrance to review project status. Elected officials can continue to help the SBCCOG to meet Edison goals by discussing projects with their staff, supporting project delivery, and notifying the SBCCOG staff of upcoming projects.

The following is a list of “pipeline” projects specific to electricity, but include co-benefits of gas savings where applicable. Each city’s Energy Leader Partnership (ELP) program status is also included.

City	Current ELP Tier Level	Energy Efficiency Measures (EEMs)	Estimated kWh savings	Estimated Therm Savings (co-benefit)	Estimated Incentive (\$)
Carson	Gold	Exterior Lighting	96,907	n/a	\$17,907
		Lighting/Pool Boiler/Water Heater/VFD	28,578	4,500	\$10,644
		Pool Pump VFD	51,758	n/a	\$11,646
		Exterior & Interior Lighting	688,002	n/a	\$108,758
		LED Streetlights	588,596	n/a	\$117,719
Gardena	Gold	Exterior & Interior Lighting	78,125	n/a	\$13,281
		Exterior & Interior Lighting	284,534	n/a	\$24,626
Hawthorne	Platinum	Police Department LED Lighting	50,320	n/a	\$11,284
Hermosa Beach	Gold	Exterior & Interior Lighting	316,925	n/a	\$44,798
		Pier Exterior Lighting	22,677	n/a	\$3,175
Inglewood	Gold	LED Steetlights	852,689	n/a	\$450,079
		Pump VFD	54,812	n/a	\$10,281
		Elevator Motor-Generator Set	121,900	n/a	\$26,208
		Chiller VFD/HVAC Controls	291,870	11,035	\$115,022
Manhattan Beach	Platinum	Exterior LED Lighting	62,825	n/a	\$16,335
Rancho Palos Verdes	Gold	LED Streetlights	38,269	n/a	\$6,506
Redondo Beach	Gold	LED Lighting	138,618	n/a	\$23,565
Torrance	Gold	LED Lighting	837,954	n/a	\$164,370
		Exterior & Interior LED Lighting	125,300	n/a	\$21,301
		Interior LED Lighting	26,718	n/a	\$10,482
		VFD & Pump Motor	172,003	n/a	\$29,240
		LED Streetlights	224,676	n/a	\$38,195

Energy Efficiency Partnership Program – Southern California Gas Company (SCG)

**2017 Goal:** 10,000 therms

**2017 Status:** 7,980 therms

**2017 Incentives Received:** \$10,926

The following is a list of gas specific “pipeline” projects along with their status:

Agency	Energy Efficiency Project	Therm Savings	Incentive	Status
Palos Verdes USD	Pool Cover	8,540	\$10,248	Planning
City of Inglewood	Replace 4x boilers	TBD*	TBD*	Planning
City of Carson	Replace 3x boilers	TBD*	TBD*	Planning
Torrance USD	New Pool, Pool heater maybe pool cover	TBD*	TBD*	Active
Marymount California University	Solar Thermal Heating	TBD*	TBD*	Planning
City of Carson	Tankless Water Heater Replacement	965	\$456	Planning
Inglewood USD	Boiler Replacement	TBD*	TBD*	Planning
Wiseburn USD	New high school with two new meters	TBD*	TBD*	Planning
	<b>Total Therms Identified</b>	<b>9,505</b>	<b>\$10,704</b>	

*\* Will be identified in the planning and utility verification processes.*

HERO

Renewable South Bay activities (solar outreach to the community as well as working with cities to obtain solar permit information):

- Renewable South Bay Working Group Kick-off Meeting
  - Scheduled for Wednesday, June 21<sup>st</sup>
  - City staff involved with CAP strategies and Energy Managers Working Group invited
- SBCCOG staff has collected 2016 solar permit data from 9 cities to date (Gardena, Hawthorne, Hermosa Beach, Lomita, Manhattan Beach, Rancho Palos Verdes, Redondo Beach, Rolling Hills, and Rolling Hills Estates). SBCCOG staff will continue to reach out to cities to request solar permitting data.

Green Building Challenge

The Green Building Challenge (GBC) focuses on activities for business that reduce energy use, water consumption, and waste while maximizing the use of incentives and rebates. The GBC started as a pilot program funded by Edison and the SoCalGas. Additional sponsors were added to help support the program including West Basin Municipal Water District and Golden State Water. Edison and SoCalGas, which fund well over half of the program, have notified the SBCCOG that they will not continue funding after 2017. SBCCOG staff is in the process of revising the program structure so that this important program can continue in some form into the future. A memo will be provided to the SBCCOG Board in July with a recommendation program structure.

Recent program accomplishments: SBCCOG staff has completed 10 ASHRAE Level 1 audits for businesses. Staff also has met with CB&I, a SoCalGas Company vendor/contractor, to discuss gas-saving opportunities for participants that use gas. Potential participants have been identified and staff is contacting them to schedule audits in June. A “business walk” with Hawthorne Council Member Olivia Valentine yielded 3 new businesses to join the GBC. If other council members are interested in conducting “business walks”, please let Kim Fuentes know.

Standings by city: Torrance (34), Lawndale (26), Redondo Beach (16), El Segundo (15), Gardena (15), Hawthorne (15), Carson (11), Inglewood (10), Manhattan Beach (8), Palos Verdes Estates (7), Rancho Palos Verdes (7), Hermosa Beach (5), Rolling Hills Estates (4), Lomita (3), Lennox (2), and Los Angeles County – Community of Westmont (1). Total of 179 businesses.

**HERO PACE:** SBCCOG promoted PACE financing for homeowners throughout the month of May. The spreadsheet below covers the activity from each South Bay members’ jurisdiction since the launch date through April 30, 2017. Proceeds from HERO to date are: \$2,290.79 for Oct-Dec 2016. Proceeds for the first quarter of 2017 are expected in June. Total since program start - \$21,643.92. Payments to SBCCOG are based on HERO programs that are completed in the South Bay.



California HERO Activity Report  
 South Bay Cities Council of Governments  
 Launch Date through April 30, 2017

**Program Activity through April 30, 2017**

Member	Launch Date	Eligible Housing Units *	Total Applications Received	Applications Approved	Approved Amount	Funded Projects	Funded Amount	Jobs Created***	Type of Products				Annual kWh Saved	Annual CO2 Reduced (Tons)
									Energy	Water	Renewable	Solar kW Installed		
Carson	5/23/14	21,375	1,579	1,056	\$71,816,607	595	\$15,330,078	130	1,013	54	150	336	3,678,683	901
El Segundo	5/23/14	4,209	46	38	\$6,385,951	22	\$590,518	5	27	4	8	18	141,518	35
Gardena	5/23/14	12,360	562	381	\$25,406,590	202	\$4,912,223	42	320	17	32	63	968,015	235
Hawthorne	5/23/14	11,621	433	313	\$24,225,315	176	\$3,999,617	34	271	7	30	60	853,263	209
Hermosa Beach	5/23/14	6,473	49	38	\$8,104,896	17	\$347,251	3	20	0	6	15	84,694	22
Inglewood	5/23/14	19,038	1,128	763	\$51,473,865	417	\$10,781,504	92	686	40	46	105	1,939,994	472
Lawndale	5/23/14	5,262	114	78	\$5,719,193	38	\$865,070	7	64	3	8	19	194,574	49
Lomita	5/23/14	4,606	90	76	\$7,210,280	37	\$852,080	7	56	6	10	32	293,434	71
Manhattan Beach	5/28/15	12,403	81	72	\$16,377,749	33	\$970,932	8	41	1	20	70	343,758	88
Palos Verdes Estates	5/28/15	5,115	31	28	\$6,161,614	10	\$527,780	4	16	3	4	11	78,276	20
Rancho Palos Verdes	5/23/14	14,759	191	169	\$27,548,953	78	\$2,072,248	18	115	5	16	59	561,140	137
Redondo Beach	3/24/15	20,292	170	140	\$18,547,275	73	\$1,461,396	12	109	3	16	33	407,733	100
Rolling Hills	5/23/14	698	6	6	\$1,631,678	2	\$119,637	1	2	0	0	0	995	0
Rolling Hills Estates	5/23/14	3,090	37	33	\$6,201,004	18	\$580,512	5	24	2	6	20	152,922	38
Torrance	5/23/14	37,899	633	525	\$56,065,073	294	\$6,675,664	57	407	32	90	219	1,711,229	426
<b>Total</b>		<b>179,200</b>	<b>5,150</b>	<b>3,716</b>	<b>\$ 332,896,043</b>	<b>2,012</b>	<b>\$ 50,086,509</b>	<b>425</b>	<b>3,171</b>	<b>177</b>	<b>442</b>	<b>1,060</b>	<b>11,410,228</b>	<b>2,803</b>

\* Eligible housing units based off Total Single Family Homes minus 5 units or more from the Department of Finance City/County Population and Housing Estimates, 1/1/2013.  
 \*\*\* 1 job for every \$117,000 invested.

**YGRENE – PACE**

Just as we have an agreement with HERO for the SBCCOG to receive funding for a small percentage of their activities in the South Bay in return for promoting PACE, the SBCCOG has a similar arrangement with Ygrene. Ygrene reported approved projects totaling \$6,290,789.75 for 2016 and payment to the SBCCOG of \$3,145.39 based on our agreement (0.05%). City breakdown by project listed below:

**Activity through March 31, 2017.**

Ygrene Energy Fund  
 SBCCOG  
 Inception to 3.31.17

Project Type		Residential						Commercial						Project Type					
District	Launch Date	Eligible Housing Units	Applications	Approvals	Approved Amount	# Completed Contracts	Completed Contract Amount	Applications	Approvals	Approved Amount	# Completed Contracts	Completed Contract Amount	Jobs Created	Energy	Water	Renewable Energy	Solar MW Installed	Lifetime kWh Saved	Lifetime CO2 Reduced (Mton)
Carson	10/6/2015	32,268	336	224	\$22,937,508	141	\$4,025,874	1	-	-	-	-	60	106	16	19	0.24	27,318,595	4,831
El Segundo	12/15/2015	5,660	10	9	\$1,606,427	6	\$109,142	-	-	-	-	-	2	3	1	2	0.01	845,611	131
Gardena	1/12/2016	20,412	94	66	\$6,273,829	45	\$1,098,614	1	1	\$44,445	1	\$38,250	17	35	7	4	0.07	8,774,246	1,364
Hawthorne	10/13/2015	29,360	119	95	\$9,147,151	52	\$1,207,940	1	0	\$0	0	\$0	18	42	4	6	0.07	5,218,299	1,450
Lomita	8/26/2015	7,036	11	8	\$878,664	5	\$81,668	2	2	\$676,641	0	\$0	1	3	1	1	0.01	564,179	98
Redondo	1/19/2016	23,332	15	15	\$2,386,548	12	\$366,653	-	-	-	-	-	5	5	2	5	0.02	2,598,017	438
Rolling Hills	10/13/2015	2,740	7	5	\$1,562,205	4	\$157,724	-	-	-	-	-	2	2	1	1	0.01	1,070,276	189
Torrance	10/13/2015	49,078	62	45	\$6,890,753	26	\$894,246	6	2	\$2,323,874	2	\$204,000	16	17	7	4	0.07	7,552,428	1,318
<b>Totals</b>		<b>169,882</b>	<b>654</b>	<b>467</b>	<b>\$51,683,085</b>	<b>291</b>	<b>\$7,941,860</b>	<b>11</b>	<b>5</b>	<b>\$3,044,961</b>	<b>3</b>	<b>\$242,250</b>	<b>121</b>	<b>213</b>	<b>39</b>	<b>42</b>	<b>0.5</b>	<b>53,941,851</b>	<b>9819</b>

## **Water Conservation**

West Basin Municipal Water District Programs (West Basin) Contract year is Sept. 1, 2016 through Aug. 31, 2017

Task 2. Support for Workshops & Events increase in the number of educational classes.

California Friendly Landscape Trainings (CFLT), Hands-on-Workshops (HOW), and Turf Removal (TR) classes

- New contract goals: minimum of 12 and a maximum of 24
  - Status of goals: 10 completed; 2 additional classes have been scheduled June through July

Greywater Workshops

- Contract goals: 5 workshops (1 in each Director's division)
  - Status of goals: 3 completed; 2 scheduled in June

Rain Barrel Giveaway

- West Basin has scheduled one additional rain barrel giveaway on June 24<sup>th</sup>
- Contract goals: 5
  - Status of goals: 6 completed; 1 scheduled in June

Task 3. Water Reliability Program

- New contract goals: schedule up to 6 Water Reliability related presentations. SBCCOG staff continues to work with West Basin staff to schedule presentations.
  - Status of goals: 2 have been scheduled
- Contract goal: collect 300 support cards
  - Status of goals: 17 collected in May; total collected for contract year: 239

Task 4. Cash for Kitchens

- Contract goals: target up to 75 institutional facilities with food service and/or kitchen operations on-site, with an emphasis on school districts; SBCCOG staff met with the Social Justice Learning Institute in Inglewood and Hawthorne Councilmember Olivia Valentine in May to discuss CFK program. Audits conducted for commercial kitchens (13) and follow-up visits (2). SBCCOG staff will schedule and conduct site surveys to identify opportunities for water-cooled ice machines (to be replaced with air-cooled ice machines); West Basin will hire a vendor to install water saving devices.

Car Wash Program

Contract goal: Maintain a current list of car washes in the South Bay. Re-enroll current car wash (5) companies that are participating in the program.

- Status of goal: Preparing list and 5 car washes re-enrolled

The Car Wash program goals were also revised by West Basin and SBCCOG staff will no longer be enrolling car washes in West Basin's Car Wash coupon program. SBCCOG staff will instead assist West Basin in maintaining a list of car wash programs in the South Bay and remind community event attendees to NOT wash their cars at home.

Torrance Water

Torrance held a California Friendly Landscape Training in May, with another one scheduled in June.

### MWD Caucus Meeting

The May meeting included a presentation about the current water supply. 2017 is officially the wettest year on record for Northern California, and the State Water Project allocation is increasing to 85%, which is the highest since 2006. MWD is looking to expand storage in Lake Mead.

### Sanitation Districts of LA County (LACSD)

Contract goals: Schedule 5 Sanitation Districts-related presentations to be completed by December 31, 2017

- Status of goals: 2 presentations have been completed

SBCCOG staff is working with LACSD staff to identify homeowners' associations and neighborhood councils in San Pedro to provide an update regarding the Clearwater Program Tunnel Project - a comprehensive evaluation of LACSD's sewer system that serves over 5 million people in the Los Angeles basin. It was determined that a new tunnel was needed to convey treated wastewater from the Joint Water Pollution Control Plant in Carson to Royal Palms Beach, where it would connect to the existing ocean outfalls.

### Los Angeles Department of Water and Power (LADWP) Contract year is April 1, 2017-December 31, 2017

- 6-10 targeted special exhibit events; scheduled for Seal Day at the Marine Mammal Care Center in San Pedro in June and the Port of LA Lobster Festival in July
- 1 training for SBCCOG Volunteers on LADWP programs; Volunteer training scheduled for June 1, 2017
- 4-6 commercial kitchens to be identified for water assessments and conservation training
  - SBCCOG staff has followed up with restaurants in the San Pedro area to schedule water assessments beginning in June. Plans are to contact Wilmington and Los Angeles Gateway Chambers of Commerce for assistance in identifying outreach events and restaurants for water assessments.

### **Transportation**

#### Vanpool Program (Contract period Feb. 1, 2013 – Nov. 30, 2018)

Contract goals: 72 outreach events; 18 information/formation meetings

- Status of goals: 142 outreach events; 6 information/formation meetings

In May, collateral material was distributed at 6 SBCCOG outreach events. SBCCOG staff worked with the City of Torrance to schedule 2 formation meetings; one that was held during this time period and the other that has been scheduled for early June. SBCCOG staff met twice with Green Commuter to discuss strategies and tactics to assist with their Zero Emission Vehicle (ZEV) vanpool program; additionally, SBCCOG staff met with representatives of the Social Justice Learning Institute (SJLI) to discuss a CEC EPIC grant opportunity that would (potentially) provide vanpooling as a ZEV option for residents in the City of Inglewood. Joint South Bay outreach efforts continue with the Enterprise Rental VanPool Marketing/Sales Team.

#### Metro Express Lanes (MEL) (Contract period Aug. 1, 2015 – Jul. 31, 2017)

Contract goal: 30 outreach events; 2 presentations (This goal is dependent upon the availability of the mobile van).

- Status of goal: **Goal met** 181 community events and 12 presentations of the MEL Promotional Marketing have been completed. In addition, 16 SBESC e-newsletter articles have been facilitated by SBCCOG staff.

SBCCOG continues to send multiple invitations and notices to Metro staff about future South Bay MEL events that would be of value. SBCCOG staff met with Metro MEL staff to discuss 2017 goals, projects, and special events (including new MEL efforts on the 105 Freeway and the 5<sup>th</sup> year anniversary of MEL on the 110 corridor). A 2-year contract extension for (an additional) \$96,000 was approved by Metro.

Travel Pal – Smart Mobility Tool (Contract period Aug. 1, 2015 – Feb. 28, 2018)

Statistics are from May 2016 - May 2017: 756 Registered Users; 11 Sub-Networks; 678 Trips Logged; 1143 People have “Used” Travel Pal – at least once; 1991 total “Sessions” – actively engaging in the Travel Pal; 57% of all sessions are estimated as being “New Visitors”. Travel Pal officially celebrated its 1 year anniversary of its launch on May 16<sup>th</sup>.

SBCCOG staff and consultant (Urban Trans) continue to develop the uses of Travel Pal. For the month of May staff worked with:

- The Forum to direct patrons to off-site parking and shuttle services.
- The Beach Cities Health District's (BCHD) assisting with trip planning for various monthly activities including:
  - Trip planning and environmental awareness (transportation carbon footprint) for Moai walking groups.
  - Fitness Exercise Club activities
- Continued to work with the producers of the San Pedro Lobster Festival to incorporate Travel Pal into the event’s transportation messaging and parking mitigation efforts.
- Follow-up meeting with Manhattan Beach Parks and Recreation to incorporate Travel Pal into the Manhattan Beach Volley Ball Tournament’s transportation and travel messaging.
- Met with the Hermosa Beach Chamber of Commerce to again use Travel Pal for the City’s Memorial Day and Labor Holiday "Fiesta Days" Event; parking/shuttle information has been posted to the Travel Pal Event module for the Memorial weekend event.
- Met with the Redondo Beach Chamber of Commerce. Planning activities began to support:
  - Redondo Beach Lobster Festival
  - Support Chamber meetings and functions
  - Provide travel options to "new residents" and tourists

SBCCOG and consultant also continued outreach and marketing efforts to engage the following South Bay venues/event programing:

- Supporting transportation messaging efforts for:
  - The Norris Theater’s summer/fall season
  - The South Bay Summer concert series
  - Special events at the El Segundo Automobile Museum

**II. MARKETING, OUTREACH, & IMPLEMENTATION**

Workshops, Trainings & Exchanges

The following chart lists an overview of all registration events held in May 2017:

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
5/6/17	CFLT - Torrance	36/76	Email: 47; Flyer: 10; Friend or Family: 4; Local Publication: 3; Social Media: 7; Website: 2 Other: 3	ML
5/9/17	Rainwater/Greywater Workshop – El Segundo	22/87	Email: 69; Flyer: 4; Friend or Family: 2 Local Publication: 1; Website: 8 Other: 5	GF
5/11/17	Turf Removal Class – Hawthorne	30/72	Email: 56; Flyer: 3; Friend or Family: 1 Local Publication: 3; Social media: 2 Website: 3; Other: 4	MS
5/23/17	Rainwater/Greywater Workshop - Gardena	13/48	Email: 33; Flyer: 6; Friend or Family: 2 Local Publication: 2; Social Media: 2 Website: 3	AB

## Outreach Events

- 5 community events in May; 9 scheduled for June
  - 1 presentation/workshop in May; 1 workshop scheduled for June
- Calendar year-to-date through May 2017:
- 22 community events
  - 2 employee events
  - 2 business events
  - 6 presentations/workshops

## Media

### **Social Media**

- SBESC -- Totals for Social Media
  - Twitter: 486 followers, 1,291 impressions\*
  - Facebook: 661 likes, 745 impressions
  - LinkedIn: 108 followers, 378 impressions

**Top Tweet** earned 395 impressions

Upcoming FREE Rainwater/Greywater Workshops in #Gardena, #Inglewood, #RedondoBeach #SouthBay  
conta.cc/2pxjLQ4 via @WestBasin

🔗 2
- SBCCOG -- Totals for Social Media (SBCCOG)
  - Twitter: 68 followers, 112 impressions\*
  - Facebook: 27 likes, 54 impressions

**Top Tweet** earned 80 impressions

Congrats to @hawthorneCAL 4 reaching the Platinum tier level in @SCE's Energy Leader Partnership program  
#energysavings  
pic.twitter.com/km6xscJlnA



*\*Impressions: the number of times a post has been viewed*

### **Press Releases/Press Interviews/Articles**

“SBCCOG Announces Solar Program Renewable South Bay” submitted to city publications

### **Earned Print Media**

“SBCCOG Releases Renewable South Bay, Hermosa Beach E-Newsletter, May 2017

“SBCCOG Announces Solar Program Renewable South Bay,” What’s Happening in the City of Inglewood, Councilmember Alex Padilla E-Newsletter, May 4, 2017

### **Cable TV**

“SBCCOG Staff Energy Leader Platinum Tier Level presentation to Hawthorne City Council,” Hawthorne Cable May 9, 2017

### **Volunteer Program**

Status of Program: 85.25 hours for May 2017; 2017 thus far = 401.75 hours

Grand total as of 5/31/17 = 17,133.93 (starting April 2008)