

South Bay Cities Council of Governments

January 26, 2017

TO: SBCCOG Board of Directors

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

SUBJECT: Environmental Activities Report – December 2016

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

There are five measure development components of the SGC grant – Land use, transportation, waste, greening, and energy generation/storage.

Land use and transportation (under the direction of Wally Siembab): The CAP team is currently meeting with cities to identify which strategies each city is interested in implementing as part of their Climate Action Plan. City meetings completed to date include: Redondo Beach, Hermosa Beach, and Torrance. Staff continues to set meeting dates into January. In addition, the consulting firm of Studio 111/Fehr & Peers was hired to assist with the remaining city meetings and drafting of the Land use and transportation chapter. Preliminary center NAIC analysis was performed for Hermosa Beach. Shared mobility strategies were discussed with the Berkeley consultants.

Energy Generation and Storage: The SBCCOG staff has presented the Energy Generation and Storage strategies to the cities and continues to work with city staff to finalize approval. A presentation of the strategies was given to the El Segundo Environmental Committee on December 19, 2016. The following cities have staff sign-off: El Segundo, Gardena, Hawthorne, Hermosa Beach, Lomita, Rolling Hills Estates, and Torrance.

Waste and Greening: The SBCCOG staff has completed calculations for the emissions reductions of the solid waste and greening measures for each city. The spreadsheets with the calculations have been sent out to each city for staff sign-off which will later be included in their final Climate Action Plan. The SBCCOG staff has met with a few cities to further discuss any edits that need to be made to the strategies. The strategies were presented to the El Segundo Environmental Committee on December 19, 2016. Nine cities have staff sign-off to date: Carson, El Segundo, Gardena, Hawthorne, Lawndale, Lomita, Manhattan Beach, Rolling Hills, and Torrance.

Energy Efficiency

Energy Leader Partnership (ELP) – Southern California Edison (SCE)

2016 Goal: 1,511,338 kWh

2016 Status: Completed 611,280 kWh (40.4% of goal)

2016 paid out incentives to cities: \$89,163

PIPELINE TOTALS	Estimated kWh savings	Estimated Therm Savings	Estimated Incentive (\$)
	5,039,698	18,075	\$1,289,453

To help the SBCCOG continue to identify projects that qualify for incentives, we continue to ask that elected officials ask staff to let the SBCCOG know about current and future projects in your city.

SBCCOG staff continues to use EEMIS to assist cities with their energy efficiency efforts for both Edison and Gas. In addition, SBCCOG conducted a city recognition event for energy efficiency achievements on December 1. SBCCOG along with SCE and SoCalGas representatives honored our cities for their achievements in energy efficiency and sustainability. Cities received EEMIS reports of their municipal facilities. SBCCOG staff conducted a presentation on the work that has been done to date with EEMIS and how cities can use this information.

City	Current Tier Level	Energy Efficiency Measures (EEMs)	Estimated kWh savings	Estimated Therm Savings	Estimated Incentive (\$)
Carson	Gold	Exterior & Interior Lighting Pool Boiler Water Heater Variable Frequency Drive (VFD)	28,578	7,040	\$13,185
		Exterior Lighting	96,907	n/a	\$17,907
		Pool Pump VFD	51,758	n/a	\$11,646
		Exterior & Interior Lighting	688,002	n/a	\$108,758
		LED Lighting	669,602	n/a	\$156,320
Gardena	Silver	LED Lighting	52,429	n/a	\$8,913
		Exterior & Interior Lighting	78,125	n/a	\$13,281
		Exterior & Interior Lighting	284,534	n/a	\$24,626
Hawthorne	Gold	Police Department LED Lighting	50,320	n/a	\$11,284
		City Hall Council Chambers LED Lighting	17,921		\$2,473
Hermosa Beach	Silver	Exterior & Interior Lighting	316,925	n/a	\$44,798
		Pier	22,677	n/a	\$3,175
Inglewood	Gold	LED Lighting	852,689	n/a	\$450,079
		Elevator Motor- Generator Set	121,900	n/a	\$26,208
		Pump VFD	54,812	n/a	\$10,281
		T8 Relamp	29,751	n/a	\$10,363
		LED Lighting	111,190	n/a	\$23,906
		Well Pump 6	118,140	n/a	\$21,854
		Chiller VFD/HVAC Controls	291,870	11,035	\$115,022

City	Current Tier Level	Energy Efficiency Measures (EEMs)	Estimated kWh savings	Estimated Therm Savings	Estimated Incentive (\$)
Manhattan Beach	Platinum	Exterior LED Lighting	62,825	n/a	\$16,335
Rancho Palos Verdes	Gold	LED Lighting	38,269	n/a	\$6,506
Redondo Beach	Silver	LED Lighting	123,820	n/a	\$21,049
Torrance	Gold	Toyota Meeting Hall	16,741	n/a	\$2,679
		LED Lighting	837,954	n/a	\$164,370
		Interior LED Lighting	26,718	n/a	\$10,482
		VFD Pump Motor	172,003	n/a	\$29,240
		Exterior & Interior LED Lighting	125,300	n/a	\$21,301

Energy Efficiency Partnership – Southern California Gas Company (SCG)

2016 Goal: 10,000 therms

2016 Status: 14,367 therms (143% therm goal)

During December, SBCCOG staff along with SCG staff attended a meeting with Palos Verdes Unified School District facilities manager for energy and brought him up to date with regard current rebate information for SCG school programs. PVPUSD will use the information to apply for a Green Ribbon award.

Agency	Energy Efficiency Project	Therm Savings	Incentive	Year	Status
Miraleste Intermediate School (PVUSD)	Pool Cover	6,333	\$7,745	2015	Completed in 2016
City of Lawndale	Boiler Replacement	218	\$109	2015	Completed in 2016
Palos Verdes USD	Pool Cover	TBD	TBD	TBD	active
City of Inglewood	Replace 4x boilers	TBD	TBD	TBD	active
City of Carson	Replace 3x boilers	TBD	TBD	TBD	active
Torrance USD	New Pool, Pool heater maybe pool cover	In planning	TBD	TBD	active
City of Hawthorne	Chiller Controls upgrade at memorial center	In planning	TBD	TBD	active
Torrance USD	2 condensing boilers	5,792	\$3,400	2016	Completed in 2016
City of Carson	Pool Cover	2,025	\$3,375	2016	Completed in 2016
Inglewood USD	Pool Heater	3,480	\$4,176	2016	active
Inglewood USD	Boiler Replacement	TBD	TBD	TBD	active
Wiseburn USD	New high school with two new meters	TBD	TBD	2016	active
Wiseburn USD	Cogen	TBD	TBD	TBD	active

Manhattan Beach USD	Pool Cover	4,500	\$4,500	2016	active
City of Carson	Boiler Replacement	2,025	TBD	2016	active
Marymount California University	Solar Thermal Heating	TBD	TBD	2016	Planning
City of Carson	Tankless Water Heater Replacement	965	\$456	TBD	TBD
Total Therms Identified		25,337			

CA Public Utilities (CPUC) Rolling Portfolio Proceeding

SBCCOG staff continues to monitor the CA Energy Efficiency Coordinating Committee (CAEECC) which serves as an information collection committee to assist with “business plans” which are developed by SCE and SCG. The “business plans” guide the energy programs that will be available in future years. The current drafts of the Business Plans are posted. In addition, the Local Government Commission (LGC) and Local Government Sustainable Energy Coalition (LGSEC) developed a Statewide Local Government Energy Efficiency Program Administration “business plan” as well which is due January 2017. SBCCOG staff provided comments on the LGC/LGSEC plan. The next CAEECC meeting will be February 15, 2017. In 2017, the CAEECC will be shifting its focus from the “business plans” to Implementation Plan development review.

HERO

The spreadsheet below covers the activity from each jurisdictions’ launch date through November 30, 2016. Proceeds from HERO to date are: \$2,741.42 for Q1 – July-Sept. 2016. Total since it started - \$19,333.13. Proceeds are usually received quarterly. Next update is expected to be reported in February 2017.



California HERO Activity Report
 South Bay Cities Council of Governments
 Launch Date through November 30, 2016

Program Activity through November 30, 2016

Member	Launch Date	Eligible Housing Units *	Total Applications Received	Applications Approved	Approved Amount	Funded Projects	Funded Amount	Jobs Created***	Type of Products			Solar kW Installed	Annual kWh Saved	Annual CO2 Reduced (Tons)
									Energy	Water	Renewable			
Carson	5/23/14	21,374	1,397	924	\$61,364,351	508	\$13,116,716	111	858	54	130	297	3,141,061	771
El Segundo	5/23/14	4,209	42	34	\$5,661,434	20	\$568,078	5	23	5	8	18	121,967	30
Gardena	5/23/14	12,360	496	339	\$22,050,883	175	\$4,206,909	36	274	15	28	55	847,298	206
Hawthorne	5/23/14	11,621	388	280	\$21,112,701	152	\$3,470,742	29	227	7	28	52	714,024	176
Hermosa Beach	5/23/14	6,473	42	32	\$6,720,783	14	\$307,888	3	15	2	6	15	71,882	19
Inglewood	5/23/14	19,038	1,004	682	\$44,582,536	369	\$9,530,121	81	605	39	38	84	1,734,070	420
Lawndale	5/23/14	5,262	101	69	\$4,839,777	34	\$686,663	6	52	0	6	14	153,548	39
Lomita	5/23/14	4,606	80	68	\$6,382,439	36	\$828,739	7	54	6	10	32	282,163	69
Manhattan Beach	5/25/15	12,403	70	63	\$14,340,521	28	\$836,612	7	35	0	16	64	321,929	82
Palos Verdes Estates	5/28/15	5,115	25	23	\$5,020,894	9	\$450,075	4	13	4	2	7	67,315	16
Rancho Palos Verdes	5/23/14	14,759	169	147	\$23,828,961	68	\$1,756,155	15	98	7	14	51	516,927	125
Redondo Beach	3/24/15	20,292	146	121	\$16,080,677	66	\$1,322,445	11	97	3	14	30	379,831	93
Rolling Hills	5/23/14	698	5	5	\$1,381,678	2	\$119,637	1	2	0	0	0	995	0
Rolling Hills Estates	5/23/14	3,090	33	30	\$5,484,516	18	\$580,512	5	24	2	6	20	152,922	38
Torrance	5/23/14	37,899	574	480	\$50,692,089	269	\$6,095,427	52	362	27	84	200	1,536,044	383
Total		179,199	4,572	3,297	\$ 289,544,239	1,768	\$ 43,876,719	373	2,739	171	390	942	10,041,976	2,466

Energy Upgrade California Community Outreach Ambassador - 2016

Contract goals: 8 outreach events; 6 presentations to be completed by November 30, 2016.
 Status of goals: Goal Met

Final report completed and submitted December 5, 2016.

Energy Upgrade California Community Outreach Ambassador – Contract Extension November 2016

Contract goals: 3 outreach Holiday Light Exchange events in November 2016.
 Status of goals: Goal Met (5 events: Manhattan Beach Farmers Market – 2x; Palos Verdes Farmers Market; Lawndale Angel Tree Lighting Ceremony; Gardena Winter Wonderland)

Final report completed and submitted December 5, 2016.

Energy Upgrade California is expected to be re-launched in April 2017 with a new firm DBB Worldwide Communications Group as implementer. The emphasis of EUC will shift from building market awareness to promoting customer action. SBCCOG staff is working to set up a meeting with the new firm in January to inquire about new contract possibilities for 2017.

Green Building Challenge

The new contract for the continuation of the Green Building Challenge commenced on January 1, 2017 and ends on June 30, 2017. Staff is planning the direction of the program based on participants' interests with a focus on facilitating activities and maximizing the use of incentives and rebates. In December, the extra LED lights from the Holiday Light Exchange were offered and distributed to GBC participants. Staff is continuing to pursue potential sponsor agencies in an effort to secure additional funding. The newsletter was sent once in December and will be sent monthly moving forward.

Standings by city: Torrance (34), Lawndale (25), Redondo Beach (16), Gardena (15), El Segundo (15), Carson (11), Hawthorne (14), Inglewood (8), Manhattan Beach (7), Rancho Palos Verdes (6), Palos Verdes Estates (7), Hermosa Beach (5), Rolling Hills Estates (4), Lomita (3), Lennox (2), and Los Angeles County – Community of Westmont (1).

Water Conservation

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

West Basin - Water Reliability (WR)

Contract goals: Up to 25 Water Reliability related presentations to various organizations, groups, and SBCCOG meetings to be scheduled.

Status of goals: 0 have been scheduled as of December 31, 2016

Staff participated in conference call with West Basin regarding the Water Reliability Program.

Contract goals: Up to 20 table-top briefings, targeting business executives and other influential business leaders.

Status of goals: 0 have been scheduled as of December 31, 2016.

Goals may be revised as WBMWD is reworking the Water Reliability Program.

Contract goals: Up to 25 support letters and/or support cards; as well as 300 support cards at outreach events

Status of goals: 2 letters of support received as of December 31, 2016; 20 support cards

West Basin - Smart Controller Exchange Events

Contract goals: Up to 3

Status of goals: 5 completed

West Basin - Rain Barrel

Contract goals: 5

Status of goals: 6 completed

West Basin - Cash for Kitchens

Contract goals: 45 kitchen audits

Status of goals: 1

Contract goals: 10 follow up visits

Status of goals: 1

Contract goals: 3 training sessions

Status of goals: 0

WB recently made changes to the Cash for Kitchen program and contract goals. SBCCOG staff met with WB in December where these changes were discussed.

West Basin - Car Wash Program

Contract goal: Re-enroll current 9 car wash companies that are participating in the program.

Status of goal: 3

West Basin - California Friendly Landscape Training (CFLT)

Contract goals: minimum of 6; maximum of 12 to be scheduled

Status of goals: 4 completed

West Basin - Greywater Workshops

Contract goals: 5 workshops to be scheduled in 2017

Status of goals: 0

West Basin - Water Harvest

Contract goals: Assist West Basin with its Annual Water Harvest Event – October 22, 2016

Status of goals: Goal Met

Torrance

1 CFLT was completed in December 2016.

MWD Caucus Meeting

The December meeting included a presentation about the report on implementing the Governor's Executive Order regarding long-term water conservation measures and improved drought planning. The state established water budget-based targets beyond the 20% by 2020 current target. The water shortage contingency plan requires a 5-year drought risk assessment and annual water budget forecast. The comments for the draft report were due December 18, 2016 and the report will be final in January 2017.

Sanitation Districts

Contract goals: Schedule 5 Sanitation Districts-related presentations to be completed by December 31, 2016

Status of goals: 5 have been completed. (Goal Met)

SBCCOG staff received new scope of work for 2017; one area of focus will be assistance with outreach related to construction of a new JWPCP effluent tunnel.

Los Angeles Department of Water and Power (LADWP) Contract year is April 1, 2016-February 28, 2017

Contract goals: 6-10 targeted special events exhibit events

Status of goals: 7 completed

Contract goals: 1 training session to be provided on residential LADWP programs and services

Status of goals: To be scheduled in early 2017

Contract goals: 1 training for SBCCOG Volunteers on LADWP programs

Status of goals: Goal Met

Contract goals: 3-5 commercial kitchens to be identified for water assessments and conservation training

Status of goals: 3 identified

SBCCOG staff met with LADWP water conservation staff and energy efficiency staff in December. Plans are moving forward to complete water assessments in January 2017. In addition, SBCCOG has received word from LADWP that the contract will be renewed in 2017 for \$30,000.

Regional Energy Network/The Energy Network/BKI – Contract year: August 1-December 31, 2016

Home Upgrade

Contract goals: 8-10 community events

Status of goals: 8 completed

Contract goals: 2-4 workshops/presentation

Status of goals: 4 completed

Commercial PACE/Financing Workshop

Contract goals: Assist BKi in conducting a workshop for businesses and commercial properties, targeting the Green Building Challenge participants – workshop held October 26, 2016.

Status of goals: Goal Met

Transportation

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

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

Status of goals: 107 outreach events; 5 information/formation meetings

In December, collateral material was distributed at eleven SBCCOG outreach events. SBCCOG staff continued to work with Metro to support Harbor UCLA's efforts to identify employees for vanpool formation. A follow-up meeting is scheduled for January, 2017. Staff continues to assist California State University Dominguez Hills to "restart" and help promote the school's discontinued vanpool program.

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: 146 community events and 11 presentations of the MEL Promotional Marketing have been completed. In addition, 12 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 – including the City of Inglewood's MLK festival in January; planning opportunities were presented for Earth Day events (April, 2017).

Electric Vehicle Charging Station Siting and Installation - CEC grant (Contract period Feb. 25, 2015 – Jan. 30, 2017) (under the direction of Wally Siembab and his team)

This program focuses on identifying and eliminating the barriers to electric vehicle charging stations (EVCS) at multi-residential dwellings (MUD). Project work was completed for CEC Task 3 deliverable entitled: "Owners's Toolkit" for EVCS. Marketing for the presentation and discussion of the materials continued with the South Bay Apartment Association. Workshops and discussion group with apartment owners were held on November 30 at the SBCCOG office and December 7 at the Apartment Association's office in Long Beach. Invitations were sent out to 3,000 targeted MUD Owners and property managers. Follow-up "call-in"

customer service data from the Apartment Association was collected for the study. On December 13th, SCAG and SBCCOG hosted a ½ day “high-level” policy workshop (via videoconference) entitled: “EV Charging Stations and Multi-Family Housing: Overcoming the Obstacles”. The workshop participants included a senior staff member from CEC Commissioner Janea Scott's office; Danny Santana, City of Torrance; JR Deshazo, Luskin Center at UCLA; Henry Hogo, SCAQMD as well as a building owner and a representative of the Apartment Association. The CEC final report materials were completed and included an EVSE proximity siting study and an update of the South Bay Cities Municipal Readiness in support of EVSE and EVs.

Travel Pal – Smart Mobility Tool (Contract period Aug. 1, 2015 – Aug. 31, 2017)

From the launch of the site on May 16, 2016 through December 28, 2016, the program had 673 individuals registered as Travel Pal members. A total of 838 individuals having had at least 1 session (time spent on the site). Since Travel Pal was launched, there has been a total of 1,386 sessions (time spent on the site) with each session lasting an average of 6 minutes and 32 seconds per user.

Travel Pal continues to be used by the Forum to direct patrons to off-site parking and shuttle services. In December, Beach Cities Health District committed to running a small pilot project with their "Blue Zone" employee team; the pilot will kick-off in January, 2017. Follow-up training and subnetwork development continued with the Forum, City of Torrance, and CSUDH. Outreach to conduct one on one training for subnetwork administrators was scheduled to take place after the New Year. Travel Pal staff developed an internal test of the program. In January, employees of the SBCCOG will begin tracking their commute trips to determine the SBCCOG's "Commuter Transportation Carbon Footprint".

II. MARKETING, OUTREACH, & IMPLEMENTATION

Workshops, Trainings & Exchanges

The following chart lists an overview of all workshops held in December 2016:

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
12/3/16	Rain Barrel Distribution – El Segundo (355 rain barrels were given away)	193/255	Email: 51 Flyer: 71 Friend or Family: 30 Local Publication: 28 Social Media: 34 Website: 17 Other: 24	AB, MS
12/3/16	California Friendly Landscape Training - Torrance	39/67	Email: 36 Flyer: 14 Friend or Family: 6 Local Publication: 3 Social Media: 2 Website: 6	JZL
12/8/16	California Friendly Landscape Training (in Spanish) - Lennox	30/9	Flyer: 6 Friend or Family: 2 Website: 1	MS
12/15/16	Ocean Friendly Garden Hands-On Workshop - Inglewood	11/19	Email: 10 Flyer: 1 Local Publication: 1 Social Media: 6 Other: 1	NA
12/17/16	Rain Barrel Distribution – Gardena (367 rain barrels were given away)	209/225	Email: 49 Flyer: 106 Friend or Family: 25	GFG, ML

			Local Publication: 11 Social Media: 10 Website: 14 Other: 10	
12/19/16	Weather-Based Irrigation Controller Exchange – El Segundo (40 controllers were exchanged)	40/54	Email: 5 Flyer: 42 Friend or Family: 1 Social Media: 2 Website: 3 Other: 1	GFG, BH
12/20/16	Rain Barrel Distribution – Inglewood (390 rain barrels were given away)	204/201	Email: 33 Flyer: 123 Friend or Family: 12 Local Publication: 9 Social Media: 6 Website: 10 Other: 8	MS, ML

Outreach Events

- 9 community events in December; 1 scheduled for January
- 1 presentation in December; 1 workshop scheduled for January
- 1 city staff event in December

Calendar year-to-date through December 2016:

- 78 community events
- 5 business events
- 10 employee events
- 1 city staff event
- 23 business/ business card/ business briefing or group presentation events
- 20 presentations/workshops

SCE Workshops – The SBCCOG in collaboration with SCE will host 2 seminars in Q1 of 2017: CALGreen Title 24 on January 27, 2017 and Basic HVAC on February 10, 2017.

Media

Earned Print Media

“*Make Your Home Work Smarter, Not Harder,*” Rancho Palos Verdes Official Newsletter, Winter 2016

Earned Social Media,”

“*West Basin Ocean Friendly Workshop, Inglewood, December 15,*” Nextdoor, December 12, 2016

“*West Basin Weather Based Irrigation Controller Exchange, El Segundo, December 19,*” Nextdoor December 12, 2016

“*West Basin Rain Barrel Event, Gardena, December 17,*” Nextdoor, December 13, 2016

Twitter: 448 followers, 624 impressions*

Facebook: 644 likes, 2,490 impressions

LinkedIn: 103 followers, 246 impressions

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

Facebook “Boosted” Posts 2016

During 2016, and for the first time, SBCCOG paid for “boosted” posts (i.e. paid advertising to reach a larger target audience) on Facebook to help marketing and outreach. The paid advertising was part of Partner program budgets. Specifically, SBCCOG paid \$970 for 13 “boosted” posts, driving more than 70,000 of 88,000 total impressions. Additionally, 106 of 177 new page likes were attributed to the “boosted” posts. This outcome is striking when compared to the same time period during 2015 that garnered 107 new page likes, which had no paid advertising. These analytics illustrate the difficulty of reaching audiences (both new and old) organically as Facebook continues to push users to adopt its “pay-to-play” model. Even though the “boosted” posts only lead to a marginal increase in participation at events, the paid advertising significantly improved visibility of SBCCOG and its programs. If SBCCOG wants to adequately increase its Facebook page’s following and post engagements, further experimentation with paid advertising options should be explored.

Top Tweet earned 162 impressions

Stay safe this holiday season! #DYK LEDs don't heat up like incandescents, so there's no danger of a dried out tree catching on fire.

Kiosk - Peninsula

Partner program and Volunteer program promotion information continue to be highlighted throughout the month: Energy Efficiency, Energy Upgrade California®, Weather Based Irrigation Controller Exchanges, California Friendly Landscape training workshops, West Basin Rain Barrel events, SoCalGas Energy Efficiency Starter Kit, West Basin Water Education & Water Recycling Tours, SBCCOG Fall *Baywatch* publication, PATH, Travel Pal, Metro Vanpool, Express Lane, Holiday Light Exchange events, and Save the Date for the SBCCOG’s 2017 General Assembly.

Volunteer Program

Status of Program: 115.75 hours for December 2016 – Grand Total 16,732.18 (starting April 2008)