

South Bay Cities Council of Governments

December 12, 2016

TO: SBCCOG Steering Committee

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

SUBJECT: Environmental Activities Report

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 finalized the strategy catalog that will be e-mailed to cities for the city meetings. The RFP for a consultant to assist with city meetings was released and the selection committee is reviewing the applications for Steering Committee approval. Staff reached out to Rolling Hills Estates and Carson regarding the South Bay Sustainability Strategy.

Energy Generation and Storage: The SBCCOG staff has presented the Energy Generation and Storage strategies to the cities and continues to work with cities to finalize approval. A presentation of the strategies will be given to the El Segundo Environmental Committee on December 19, 2016. The following cities have staff sign-off: 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 will also be presented to the El Segundo Environmental Committee on December 19, 2016. Seven cities have staff sign-off to date: Carson, Gardena, Hawthorne, Lawndale, Lomita, Rolling Hills, and Torrance.

The SBCCOG staff met with a Planning Advisor from SoCalGas to discuss how they could potentially help with the CAP process. SoCalGas has offered to review the list of Energy

Generation, Storage, and Waste strategies as well as help provide language about climate adaptation for the CAP reports.

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 ask that elected officials continue to 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.

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

City	Current Tier Level	Energy Efficiency Measures (EEMs)	Estimated kWh savings	Estimated Therm Savings	Estimated Incentive (\$)
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
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)

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
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	2016	active
City of Hawthorne	Chiller Controls upgrade at memorial center	In planning	TBD	2016	active
Torrance USD	2 condensing boilers	5,792	\$3,400	2016	Completed in 2016

City of Carson	Boiler Replacement	2,025	\$3,375	2016	Completed in 2016
Inglewood USD	Pool Heater	3,480	\$4,176	2016	active
Wisburn USD	New high school with two new meters	TBD	TBD	2016	active
Wisburn 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	Completed in 2016
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” that SCE and SCG will prepare by January 2017 to guide the energy programs available. The current drafts of the Business Plans are posted and stakeholder input is requested. The next CAEECC meeting will be held December 7, 2016. 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 reviewed and commented on the LGC/LGSEC plan mid-November.

HERO

The spreadsheet below covers the activity from each jurisdictions’ launch date through September 30, 2016.

Proceeds from HERO to date are: \$2,761.42 for Q1 – July-Sept. 2016. Total since it started - \$19,333.13.

Program Activity through October 31, 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	1,348	889	\$58,733,417	495	\$12,723,428	108	836	50	130	297	3,084,821	757
El Segundo	5/23/14	4,209	42	34	\$5,661,434	19	\$555,445	5	20	5	8	18	111,398	28
Gardena	5/23/14	12,360	483	330	\$21,305,355	169	\$3,985,731	34	258	12	26	53	791,704	193
Hawthorne	5/23/14	11,621	377	272	\$20,325,994	149	\$3,425,054	29	224	7	28	52	711,323	175
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	971	661	\$42,841,991	354	\$9,192,548	78	581	38	38	84	1,659,166	403
Lawndale	5/23/14	5,262	98	67	\$4,656,115	32	\$553,606	5	43	0	6	14	130,469	33
Lomita	5/23/14	4,606	79	67	\$6,304,630	36	\$828,739	7	54	6	10	32	282,163	69
Manhattan Beach	5/25/15	12,403	67	60	\$13,590,521	28	\$836,612	7	35	0	16	64	321,929	82
Palos Verdes Estates	5/28/15	5,115	24	23	\$5,020,894	9	\$450,075	4	13	4	2	7	67,315	16
Rancho Palos Verdes	5/23/14	14,759	165	143	\$23,153,723	67	\$1,722,483	15	97	7	14	51	516,444	125
Redondo Beach	3/24/15	20,292	144	119	\$15,833,448	61	\$1,175,214	10	84	3	14	30	350,485	85
Rolling Hills	5/23/14	698	4	4	\$1,131,678	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	559	469	\$49,472,576	259	\$5,927,398	50	354	23	80	194	1,484,938	371
Total		179,199	4,436	3,200	\$ 280,237,074	1,712	\$ 42,384,369	360	2,640	159	384	933	9,737,954	2,394

* 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, FY2013.
 *** 1 job for every \$117,000 invested.

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)

Nine outreach events have been completed, including Holiday Light Exchange (additional event); 7 presentations have been completed.

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)

Four events have been completed (Manhattan Beach Farmers Market (twice), Palos Verdes Farmers Market, Lawndale Angel Tree Lighting Ceremony).

Green Building Challenge

Contract goals: 170-270 participants by August 2016

Status of goals: 173 participants enrolled in the South Bay Cities Green Building Challenge

Staff continues to serve as a resource for GBC participants in this interim period following the competition and prior to the continuation of the program which begins in January. The SBCCOG Energy Engineer is currently completing reports for participating businesses where Level 1 energy audits have been conducted. Staff is setting up meetings with potential sponsor agencies in an effort to secure additional funding. They are also in the process of analyzing program data from the online platform. It will be used for evaluating the program success thus far and will help focus efforts and determine the appropriate direction of the program moving forward based on participants' interests. The newsletter was sent once in November and will continue to be sent monthly.

An example of the positive impact the Green Building Challenge has had on business was demonstrated this month. A participant in Carson notified SBCCOG staff that they were having a serious gas issue as well as an issue with the lighting that had been installed as a result of the SCE Direct Install program. Our SBCCOG staff received the call and within minutes SoCalGas was contacted as well as the vendor for SCE Direct Install who immediately set about correcting the situation for the business owner. The problems were reported on a Tuesday and were resolved by the next day.

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 November 30, 2016

Staff participated in weekly West Basin strategy and planning conference calls. Staff contacted previous groups to inquire if they would consider signing letters of support.

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 November 30, 2016.

Staff is developing plan to reach out to South Bay businesses for Water Reliability presentations.

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 November 30, 2016; 0 support cards

West Basin - Smart Controller Exchange Events

Contract goals: Up to 3

Status of goals: 3 completed; 1 scheduled in December

West Basin - Rain Barrel

Contract goals: 5

Status of goals: 3 completed; 3 scheduled in December

West Basin - Cash for Kitchens

Contract goals: 40 kitchen audits

Status of goals: 1

Contract goals: 50 follow up visits

Status of goals: 1

Contract goals: 2 training sessions

Status of goals: 0

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: 2 completed; Spanish-language CFLT scheduled for December 8th in Lennox; Hands-on-Workshop scheduled for December 15th in Inglewood.

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 California Friendly Landscape Training (CFLT) event and 1 Rain Barrel event were completed in November; 1 CFLT is scheduled in December 2016.

MWD Caucus Meeting

The November meeting included a presentation about the Lower Colorado River Basin Drought Contingency Plan. This past summer, Lake Mead has reached its lowest level since it was filled, and this could put all Colorado River users in the Lower Basin at risk for water curtailments and supply uncertainty. The proposed Lower Colorado River Basin Drought Contingency Plan will increase reductions in water deliveries to each state within the Lower Basin, which includes California, in the event that Lake Mead continues to decline.

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 prepared draft scope of work and sent to Sanitation Districts. New scope of work for 2017 contract is expected to be received in December.

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: 1 completed (Goal Met)

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

Water assessments will begin in December. Meeting is set with LADWP staff

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: 7 completed; 1 scheduled

Contract goals: 2-4 workshops/presentation

Status of goals: 3 completed; 1 scheduled

Commercial PACE/Financing Workshop

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

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: 96 outreach events; 5 information/formation meetings

In November, collateral material was distributed at thirteen SBCCOG outreach events. SBCCOG staff continued to work with Metro to support Harbor UCLA's efforts to identify employees for vanpool formation. Additionally, through the outreach and training for the SBCCOG Travel Pal Program, staff began preliminary discussions with 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: 135 community events and 11 presentations of the MEL Promotional Marketing have been completed. In addition, 11 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.

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 continued for final version of the 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 groups with apartment owners will be 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. Additionally, organizing and marketing continues for the co-hosted SCAG and SBCCOG ½ day "high-level" policy workshop (via videoconference) entitled: "EV Charging Stations and Multi-Family Housing: Overcoming the Obstacles". The workshop will be held on December 13. Speakers include CEC Commissioner Janea Scott, Danny Santana, from the City of Torrance and JR Deshazo from the Luskin Center at UCLA.

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

From the launch of the site on May 16, 2016 through November 28, 2016, the program had 434 individuals registered as Travel Pal members. A total of 787 individuals having had at least 1 session (time spent on the site). There have been a total of 1,307 sessions (time spent on the site) with each session lasting an average of 6 minutes and 1 second per user since Travel Pal was launched.

Travel Pal continues to be used by the Forum to direct patrons to off-site parking and shuttle services. The Beach Cities Health District has scheduled a meeting with SBCCOG staff on November 30th to plan a small pilot test of the software with their "Blue Zone" employee team. And, SBCCOG staff and the consultant (Urban Trans) held a Travel Pal Training Workshop that was attended by the City of Torrance and CSUDH showcasing practical skills, event postings and actionable plans for using the software. SBCCOG staff plans to meet one-on-one with the Forum and the City of Redondo Beach in December to hold a similar workshop to develop opportunities for both organizations to use Travel Pal.

II. MARKETING, OUTREACH, & IMPLEMENTATION

Workshops, Trainings & Exchanges

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

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
11/1/16	Weather-Based Irrigation Controller Exchange – Carson (10 controllers were exchanged)	10/17	Email: 11 Friend or Family: 1 Social Media: 1 Website: 1 Other: 3	ML
11/5/16	Rain Barrel Distribution – Torrance (486 rain barrels were given away)	306/450	Email: 163 Flyer: 190 Friend or Family: 102 Local Publication: 19 Social Media: 92 Website: 26 Other: 19	AB, MS
11/12/16	Rain Barrel Distribution – Redondo Beach (328 rain barrels were given away)	182/178	Email: 51 Flyer: 37 Friend or Family: 34 Local Publication: 12 Social Media: 20 Website: 12 Other: 12	AB, GFG
11/19/16	California Friendly Landscape Training - Torrance	29/64	Email: 32 Flyer: 5 Friend or Family: 3 Local Publication: 11 Social Media: 5 Website: 4 Other: 4	ML

11/19/16	Rain Barrel Distribution – Palos Verdes Estates (303 rain barrels were given away)	173/190	Email: 51 Flyer: 42 Friend or Family: 25 Local Publication: 17 Social Media: 22 Website: 12 Other: 21	GFG, DL
11/22/16	Weather-Based Irrigation Controller Exchange – Carson (29 controllers were exchanged)	29/44	Email: 8 Flyer: 28 Friend or Family: 3 Social Media: 2 Website: 1 Other: 2	ML

Outreach Events

- 14 community events; 8 scheduled for December
- 1 employee event scheduled for December
- 1 presentations/workshops scheduled for December

Calendar year-to-date through November 2016:

- 69 community events
- 5 business events
- 10 employee events
- 23 business/ business card/ business briefing or group presentation events
- 19 presentations/workshops

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

Media

Earned Print Media

“*FREE Holiday Light Exchange,*” Palos Verdes Peninsula Chamber of Commerce Newsletter, November 4, 2016

“*Holiday Light Exchange,*” Daily Breeze Out & About, November 8, 2016

“*Torrance CFLT, visit SBESC.com,*” Daily Breeze, November 16, 2016

Earned Social Media

“*Torrance CFLT, November 19,*” Nextdoor, November 7, 2016

“*West Basin Rain Barrel Distribution, Palos Verdes Estates November 19,*” November 16, 2016

“*West Basin Rain Barrel Distribution, El Segundo December 3,*” Nextdoor November 29, 2016

Earned Cable/Network TV

“*Holiday Light Exchange,*” Torrance Citicable, November 9, 2016

“*Holiday Light Exchange,*” Hawthorne Cable TV, November 9, 2016

“*Holiday Light Exchange,*” KCAL Ch. 2 & Ch 9, November 9, 2016

Paid Media

“Holiday Light Exchange, Lawndale Tree Lighting” Lawndale Tribune, November 17, 2016

Twitter: 445 followers, 1,744 impressions*

Facebook: 638 likes, 51,240 impressions

LinkedIn: 102 followers, 693 impressions

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

Top Tweet earned 284 impressions

#Enewsletter is out! Stories from
@WestBasin @socialgas @SCE & more:
ow.ly/wanS306d1a9

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Kiosk - Peninsula

Partner program and Volunteer program promotion information were highlighted throughout the month including information for the following: 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 and Express Lane, and Holiday Light Exchange.

Volunteer Program

Status of Program: 140 hours for November 2016 – Grand Total 16,616.43 (starting April 2008)

Annual Volunteer Recognition

SBCCOG held a reception on November 17th to honor our volunteers and specifically those who have provided more than 50 hours of service. The event was a great success and the volunteers expressed their thanks.

Holiday Light Exchange

The Holiday Light Exchange for 2016 was held November 9 and 10. Participation by city is as follows:

Carson (20), El Segundo (2), Gardena (16), Hawthorne (19), Hermosa Beach (4), Inglewood (12), Lawndale (8), Lomita (7), Manhattan Beach (3), Palos Verdes Estates (11), Rancho Palos Verdes (25), Rolling Hills Estates (3), Rolling Hills (0), Redondo Beach (20), and Torrance (94). The Los Angeles City communities of Harbor City (5), San Pedro (3), and Wilmington (1). Out of the South Bay but work in the Maritz building and are SCE customers (7). Total boxes exchanged equaled 260.

Holiday lights purchased through another one of the SBCCOG outreach programs were distributed at various community events around the South Bay including Christmas tree lighting ceremonies. Community members had to sign a petition to replace a strand of their old non-efficient lights. The program was well received.