

South Bay Cities Council of Governments

November 14, 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 SBCCOG staff began conducting equity analyses on the center intersections to assess their score within the CALEnviro screen metrics. Initial drafts of the first chapters of the final report were drafted. Staff met with Carson to discuss their sustainability goals. Also the packet is being prepared that will be used at individual city meetings and will include: introductory PowerPoints, the strategy catalog, and overview memo. Lastly, an RFP for a CAP consultant was developed.

Energy Generation and Storage: The SBCCOG staff has presented the Energy Generation and Storage strategies to the cities. The staff continues to work with cities to finalize approval for the strategies. The following cities have staff sign off of the list of strategies: Gardena, Hawthorne, Hermosa Beach, Lomita, and Rolling Hills Estates.

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. Six cities have staff sign off to date: Carson, Gardena, Hawthorne, Lawndale, Lomita, and Rolling Hills.

Energy Efficiency

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

2016 Goal: 1,511,338 kWh

2016 Status: Completed 520,757 kWh (34.5% of goal)

2016 paid out incentives to cities: \$72,185

PIPELINE TOTALS	Estimated kWh savings	Estimated Therm Savings	Estimated Incentive (\$)
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	1,621,965	7,040	\$619,316
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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.

In addition, SCE release their revised ELP program critiera and incentive reductions for next year. Cities that don't have project approval from SCE by Dec. 30, 2016 will lose the higher incentive. Notices went out to all the cities along with project calculations for cities that had projects scheduled for the near-term. Please let SBCCOG staff know if your city has a project that you believe is at risk and we will follow up.

SBCCOG staff continues to use EEMIS to assist cities with their energy efficiency efforts for both Edison and Gas.

New chart below

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	50,320	n/a	\$11,284
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
Manhattan Beach	Platinum	Chiller VFD/HVAC Controls	291,870	11,035	\$115,022
		Exterior LED Lighting	62,825	n/a	\$16,335

City	Current Tier Level	Energy Efficiency Measures (EEMs)	Estimated kWh savings	Estimated Therm Savings	Estimated Incentive (\$)
Rancho Palos Verdes	Gold	LED Lighting	38,269	n/a	\$6,506
Redondo Beach	Silver	LED Lighting	120,916	n/a	\$18,230
		LED Lighting	112,128	n/a	\$16,978
Torrance	Gold	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	5,648	\$3,400	2016	Completed in 2016
City of Carson	Boiler Replacement	2,700	TBD	2016	active
Inglewood USD	Pool Heater	TBD	TBD	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	pool cover - Hemingway Aquatic Center	2,025	\$3,375	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	21,857			

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 at this time. The next CAEECC meeting will be held November 16, 2016. In addition, the Local Government Commission (LGC) and Local Government Sustainable Energy Coalition (LGSEC) developing a Statewide Local Government Energy Efficiency Program Administration business plan which is due January, 2017. SBCCOG staff is in the process of reviewing both the Edison and LGC/LGSEC plans to assess the effect on our programs.

SCE Cool Planet Award

SBCCOG staff provided assistance completing the SCE Cool Planet Award application for six of our member cities which were all submitted. The Award recognizes SCE customers that demonstrate leadership in energy and carbon management within their agency. All six were recognized; Hermosa Beach, Carson, Inglewood, and Torrance received a Cool Planet Award, and Gardena and Hawthorne received an Honorable Mention Cool Planet Award.

HERO

The spreadsheet below covers the activity from each jurisdictions' launch date through September 30, 2016. Proceeds from HERO to date are: \$2,741.42 for Q1 – July-Sept. 2016. Total since it started - \$19,353.13.

Program Activity through September 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	1,311	864	\$56,782,172	481	\$12,360,091	105	808	50	130	297	2,961,210	729
El Segundo	5/23/14	4,209	41	33	\$5,459,567	18	\$519,786	4	18	5	8	18	110,393	28
Gardena	5/23/14	12,360	467	319	\$20,379,468	161	\$3,833,421	33	245	12	24	48	742,711	181
Hawthorne	5/23/14	11,621	367	267	\$19,825,728	140	\$3,315,049	28	214	7	28	52	689,555	169
Hermosa Beach	5/23/14	6,473	40	31	\$6,547,919	14	\$307,888	3	15	2	6	15	71,882	19
Inglewood	5/23/14	19,038	944	641	\$41,164,906	345	\$8,884,372	75	567	35	34	77	1,613,612	391
Lawndale	5/23/14	5,262	94	65	\$4,458,333	29	\$473,992	4	40	0	4	11	120,256	30
Lomita	5/23/14	4,606	78	66	\$6,214,641	35	\$794,703	7	52	6	10	32	266,247	65
Manhattan Beach	5/25/15	12,403	65	58	\$13,131,286	27	\$801,282	7	35	0	14	60	315,180	79
Palos Verdes Estates	5/28/15	5,115	23	22	\$4,777,846	9	\$450,075	4	13	4	2	7	67,315	16
Rancho Palos Verdes	5/23/14	14,759	161	140	\$22,577,183	62	\$1,616,637	14	91	6	14	51	492,985	119
Redondo Beach	3/24/15	20,292	140	116	\$15,420,596	60	\$1,162,278	10	82	3	14	30	336,819	82
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	546	458	\$48,076,733	250	\$5,640,925	48	337	23	76	182	1,429,610	356
Total		179,199	4,314	3,114	\$ 271,432,571	1,651	\$ 40,860,650	347	2,543	155	370	901	9,371,691	2,304

* 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.

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)

Eight outreach events have been completed (the Holiday Light Exchange is an additional event); 7 presentations have been completed.

Contract goals: 3 outreach Holiday Light Exchange events in November 2016.

Status of goals: 3 events have been scheduled (Manhattan Beach Farmers Market, 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

Details regarding the continuation of the Green Building Challenge into 2017 are currently being worked out and staff is seeking to engage additional agencies as program partners. Staff working with our Energy Engineer is also continuing to conduct Level 1 energy audits for participants. Five audits have been completed at the following businesses: Walser's in Torrance, Bagels Galore in Rancho Palos Verdes, Lomita's Best in Lomita, Aimee's Beauty Salon in Lawndale, and Tacos El Unico in the unincorporated area of Westmont. Three more audits are scheduled at Baskin Robbins in Gardena, Baskin Robbins in Rancho Palos Verdes and Cook's Doors and Windows in Lawndale. Two audits are pending at B & R Burgers in Hawthorne and Shade Hotel in Manhattan Beach. Staff is doing research in order to prepare a report which will provide information about the progress of the program thus far. The online platform and staff remain available as resources to participants and the newsletter will be sent monthly.

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 October 31, 2016

Staff participated in weekly West Basin strategy and planning conference calls, followed up with groups regarding letters of support and researched community groups and organizations for future presentations.

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 October 31, 2016.

October was spent in strategy and planning with West Basin staff.

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

Status of goals: 1 letter of support received as of October 31, 2016; 0 support cards

West Basin - Smart Controller Exchange Events

Contract goals: Up to 3

Status of goals: 1 completed; 2 scheduled in November

West Basin - Rain Barrel

Contract goals: 5

Status of goals: 1 completed; 2 scheduled in November; 3 scheduled in December

West Basin - Cash for Kitchens

Contract goals: 40 kitchen audits

Status of goals: 0

Contract goals: 50 follow up visits

Status of goals: 0

Contract goals: 2 training sessions

Status of goals: 0

West Basin - California Friendly Landscape Training (CFLT)

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

Status of goals: 2 completed; (10/1 and 10/26); in discussions to schedule Spanish-language CFLT in Lennox.

West Basin - Greywater Workshops

Contract goals: 5 workshops to be scheduled

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)

SBCCOG staff has participated in planning meetings and recruited and oversaw 21 volunteers from Environmental Charter High School, North High School, and SBESC.

Torrance

2 California Friendly Landscapt Training events and 1 Rain Barrel event are scheduled in November and December 2016.

MWD Caucus Meeting

The October meeting included a presentation on the State's process for complying with the Governor's Executive Order for new long-term water efficiency targets for state water agencies. The Department of Water Resources and the State Water Resources Control Board are developing proposals for long-term targets that go beyond the 20% by 2020 targets as well as strengthening requirements for Water Shortage Contingency Plans. An Urban Advisory Group was formed to receive input from stakeholders as directed by the Governor. The final proposals will be completed 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 met with Sanitation District's General Manager in October to review activities for the year and discuss next year's contract. Contract will be continued.

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 scheduled/completed

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

Status of goals: To be scheduled

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 November/December

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: 5 completed and 2 scheduled

Contract goals: 2-4 workshops/presentation
Status of goals: 3 completed and 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)

The Building Economic Resilience: Removing the Financing Barriers to Your Energy Efficiency, Water, and Solar Upgrades workshop took place on October 26, 2016, with 70 people in attendance (including speakers, staff, and vendors). SBCCOG staff worked with BKi staff to develop the agenda, secure speakers, promote the event, and take RSVPs.

SCE Workshops SBCCOG will host CALGreen Title 24 on January 27, 2017 and Basic HVAC on February 10, 2017.

Transportation

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

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

Status of goals: 86 outreach events; 5 information/formation meetings

In October, collateral material was distributed at twelve SBCCOG outreach events. SBCCOG staff continued to work with Metro to support Harbor UCLA's efforts with follow-up from their September Rideshare event. Additionally, SBCCOG staff promoted vanpool at the City of Carson's annual Breathe Rideshare event and at Raytheon's Environmental Expo. Work continues to form vanpools for Terranea Resort employees.

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: 122 community events and 11 presentations of the MEL Promotional Marketing Team have been completed. In addition, 10 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 Carson Jazz Festival and the West Basin Water Harvest Festival that occurred in October.

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 focused on drafting the CEC Task 3 deliverables which include an "Owners's Toolkit" for EVCS and a workshop to present the toolkit and project findings. SBCCOG staff, in cooperation with the South Bay Apartment Association trade organization, has secured 2 dates for the Workshop – November 30 at the SBCCOG office and December 7 at the Apartment Association's office in Long Beach. Invitations have been sent out to 3,000 targeted MUD Owners and property managers. Additionally, in cooperation with SCAG, the SBCCOG will co-host a 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. Along with other speakers, including CEC Commissioner Janea Scott and information, the SBCCOG will present project findings.

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

From the launch of the site on May 16, 2016 through September 30, 2016, the program had 322 individuals registered as Travel Pal members; an additional 157 individuals from the City of Torrance’s Rideshare program; 79 from the Raytheon Environmental Expo; and 160 employees from the City of Carson. A total of 753 individuals having had at least 1 session (time spent on the site). There has been a total of 1,249 sessions (time spent on the site) with each session lasting an average of 5 minutes and 20 seconds 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. While the Beach Cities Health District is moving forward to use Travel Pal to document its Transportation Carbon Footprint while affecting behavioral changes in commute modes amongst its employees. SBCCOG staff will be hosting a Travel Pal Network Administrator Training on Wednesday, November 9.

Follow-on promotion and messaging of the program continues through the SBESC e-newsletter, SBCCOG printed quarterly newsletter, embedded links, text, and content and outreach materials on the SBCCOG and SBESC web sites and through direct registration at SBESC outreach events.

II. MARKETING, OUTREACH, & IMPLEMENTATION

Workshops, Trainings & Exchanges

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

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
10/1/16	Rain Barrel Distribution – Malibu (E-blasts & Registration ONLY; 86 rain barrels distributed)	63/36	Email: 8 Flyer: 3 Friend or Family: 6 Local Publication: 5 Social Media: 4 Website: 6 Other: 4	NA
10/1/16	Weather-Based Irrigation Controller Exchange – Malibu (E-blasts & Registration ONLY; 7 controllers exchanged)	6/4	Email: 2 Friend or Family: 1 Website: 1	NA
10/1/16	Smart Gardening Workshop - Malibu (E-blasts & Registration ONLY)	20/22	Email: 2 Flyer: 2 Local Publication: 6 Social Media: 5 Website: 1 Other: 6	NA
10/26/16	Building Economic Resilience. Removing the Financing Barriers to your Energy Efficiency, Water, and Solar Upgrades (PACE) event	70/105	Email: 64 Flyer: 1 Friend or Family: 20 Social Media: 1 Website: 1	GFG, ML
10/26/16	Gardena Library CA Friendly Landscape Training - Hands on Workshop	30/51	Email: 33 Flyer: 4 Friend or Family: 3 Social Media: 4	AB

Outreach Events

- 3 community events; 13 scheduled for November
- 1 business event
- 2 employee events
- 4 presentations/workshops (includes SBCCOG overview)

Calendar year-to-date through October 2016:

- 55 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

Press Releases/Press Interviews/Articles

“Make Your Home Work Smarter, Not Harder/” Press Release issued October 21, 2016

“Building Economic Resilience: Removing the Financing Barriers to Your Energy Efficiency, Water, and Solar Upgrades.” Flyer sent to all South Bay Chambers of Commerce October 3, 2016

Earned Print Media

“Holiday Light Exchange,” Recycle Today Newsletter City of Hawthorne, Fall 2016

“Earn Up To a Cool \$200 In SCE Bill Credits This Year Sign Up Now For Summer Discount Plan & Energy Conservation and Rotating Outage Procedures,” City of Palos Verdes Estates Newsletter, Fall 2016

Earned Social Media

“Earn Up To a Cool \$200 In SCE Bill Credits This Year Sign Up Now for Summer Discount Plan & Energy Conservation and Rotating Outage Procedures,” City of Hermosa Beach Fall 2016 Website

“Holiday Light Exchange,” City of Lawndale Fall 2016 Website

“West Basin Hands on Workshop,” Nextdoor, October 4, 2016

“West Basin California Friendly Landscape Training Workshop,” Nextdoor, October 10, 2016

“Building Economic Resilience: Removing Barriers to Your Energy Efficiency, Water, and Solar Upgrades,” Nextdoor, October 18, 2016

Twitter: 442 followers, 2,071 impressions*

Facebook: 541 likes, 3,855 impressions

LinkedIn: 101 followers, 725 impressions

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

Top Tweet earned 208 impressions

Compost decomposes fastest between 120 and 160 degrees F... [ow.ly/LgqT305gA3g](https://www.ow.ly/LgqT305gA3g)
#greentip #EcoMonday

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Kiosk - Peninsula

Partner program and Volunteer program 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 Summer *Baywatch* publication, PATH, Travel Pal, Metro Vanpool and Express Lane, and Holiday Light Exchange.

Volunteer Program

Status of Program: 180 hours for 2016 – Grand Total 16,476.43 (starting April 2008)

The date for the Volunteer Recognition is November 17 just prior to start of the November Board of Directors meeting in the Client Theater.

Holiday Light Exchange

The Holiday Light Exchange for 2016 will be held November 9 and 10.

Energy Efficiency & Energy Leader Recognition Luncheon – December 1, 2016