

South Bay Cities Council of Governments

October 10, 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. The SBCCOG hosted an all-day meeting with the grant administrator for the Strategic Growth Council (SGC). At the meeting, the SBCCOG staff presented past and current work on the Subregional and city CAPs. The California Energy Commission has been known to select projects for special presentations to their commissioners, which is something we would seek.

Land use and transportation (under the direction of Wally Siembab):

- CAP conceptual development was presented at the September Livable Communities Working Group meeting. Future meetings with cities were discussed (a meeting was set with Carson) and feedback was provided
- Staff is working on the development of introduction chapter for the Regional CAP
- The consulting firm of Fehr and Peers work is getting underway

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. A presentation of the strategies will be given to the Torrance Environmental Quality and Energy Conservation Commission on October 6, 2016. Staff in the following cities have signed off on a 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 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 Greening and Solid Waste strategies will be presented to the Torrance Environmental Quality and Energy Conservation Commission. Staff in the six cities have signed off so far: Carson, Gardena, Hawthorne, Lawndale, Lomita, and Rolling Hills.

Energy Efficiency

Energy Leader Partnership (ELP)

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 (\$)
	5,530,933	18,075	\$1,232,029

To help the SBCCOG continue to identify projects that qualify for incentives, we 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.

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	\$133,920
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	87,058	n/a	\$19,537
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

City	Current Tier Level	Energy Efficiency Measures (EEMs)	Estimated kWh savings	Estimated Therm Savings	Estimated Incentive (\$)
		Chiller VFD/HVAC Controls	291,870	11,035	\$23,906
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	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
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	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			

HERO

The spreadsheet below covers the activity from each jurisdictions' launch date through August 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	1,261	826	\$53,769,192	461	\$11,834,119	100	774	48	124	282	2,860,795	703
El Segundo	5/23/14	4,209	38	31	\$5,137,338	17	\$489,465	4	17	5	8	18	110,058	27
Gardena	5/23/14	12,360	459	312	\$19,893,514	155	\$3,638,184	31	238	11	20	41	726,571	176
Hawthorne	5/23/14	11,621	351	255	\$18,712,249	133	\$3,101,163	26	197	5	26	50	647,836	159
Hermosa Beach	5/23/14	6,473	40	31	\$6,547,919	12	\$274,823	2	13	2	6	15	57,919	16
Inglewood	5/23/14	19,038	914	619	\$39,326,908	331	\$8,497,124	72	539	35	34	77	1,503,401	366
Lawndale	5/23/14	5,262	91	62	\$4,152,256	27	\$436,587	4	37	0	4	11	115,533	29
Lomita	5/23/14	4,606	77	65	\$6,109,409	32	\$713,549	6	49	4	10	32	249,787	62
Manhattan Beach	5/25/15	12,403	62	55	\$12,450,026	24	\$726,817	6	31	0	12	57	299,834	75
Palos Verdes Estates	5/28/15	5,115	22	21	\$4,527,846	8	\$348,471	3	11	4	2	7	62,261	15
Rancho Palos Verdes	5/23/14	14,759	156	135	\$21,787,342	60	\$1,497,055	13	89	6	12	35	463,498	110
Redondo Beach	3/24/15	20,292	134	110	\$14,555,883	59	\$1,138,005	10	80	3	14	30	319,510	78
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	17	\$556,400	5	24	1	6	20	152,922	38
Torrance	5/23/14	37,899	534	447	\$46,797,957	243	\$5,503,689	47	333	20	70	172	1,407,089	350
Total		179,199	4176	3003	\$ 260,384,031	1581	\$ 38,875,089	330	2434	144	348	848	8,978,010	2204

Revenues received from to date (thru June'16) = \$16,591.71. Nothing received for the new fiscal year.

*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

Contract goals: 8 outreach events and 6 presentations to be completed by Nov. 30, 2016

Status of goals: 6 outreach events have been completed and 2 scheduled; 7 presentations have been completed (Goal Met)

SBCCOG received an extension of the contract to exhibit at 3 additional events and continue with social media activities throughout October and November in the amount of \$11,225.

Green Building Challenge

Contract goals: 170-270 participants by August 2016

Status of goals: 172 participants enrolled in the South Bay Cities Green Building Challenge.

The Green Building Challenge Recognition Breakfast was held at the Automobile Driving Museum in El Segundo on Wednesday, September 28 from 7:30-9:30 a.m. with more than 60 people in attendance. The following Environmental Stewardship Awards were presented: Watson Land Company, Highest Achievement-Building Challenge; Raytheon, Highest Achievement-Tenant Challenge; Beach Cities Health District and South Bay Workforce Investment Board-Employee Engagement Awards; Shade Hotel-Property Upgrade Award; Kaiser Permanente South Bay Medical Center-Most Activities in the Shortest Time.

The following restaurants received the Restaurant Environmental Stewardship Award for participating in three or more of our partner programs: Mi California, Corner Burger, Tacos El Unico, Philly's Best and

Lomita's Best. All participants received in attendance received a certificate of recognition for their efforts and certificates will be sent to participants who did not attend. Judy Mitchell was the keynote speaker.

Kimberly Rodriguez from Southern California Edison and Frank Spasaro from Southern California Gas Company spoke at the event and announced the Green Building Challenge will receive continued funding that will allow staff to engage additional businesses and work more closely with existing participants. They also praised the program stating that they would like to see the Green Building Challenge replicated not only throughout their service areas, but statewide.

Staff has conducted 5 level-one energy audits and 5 additional audits are pending for participants. The GBC program newsletter was sent once in September. Final 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 (6), 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 September 30, 2016

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

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 September 30, 2016.

September 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; 0 support cards from outreach events

West Basin - Smart Controller Exchange Events

Contract goals: Up to 3

Status of goals: 1 completed

West Basin - Rain Barrel

Contract goals: 5

Status of goals: 1 completed

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 - Ocean Safe Car Wash Program

Contract goals: 9 participating car wash companies to be “Re-signed”

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: 1 completed

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

Status of goals: SBCCOG staff has participated in planning meetings and has reached out to SBWIB youth Program.

MWD Caucus Meeting

The September meeting included a presentation about Metropolitan Water District’s Education and Outreach Campaign for the California Water Fix. The MWD is focusing on localizing their outreach with clean and concise messages about the benefits of the Water Fix. They are developing a one-page summary of five benefits for each region, one being the South Bay. Local agencies will be encouraged to use these localized messages throughout their regions.

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)

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: 6 scheduled/completed

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

Status of goals: 1 completed (Goal Met)

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

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: 4 completed and 1 scheduled

Contract goals: 2-4 workshops/presentation

Status of goals: 2 completed and 1 scheduled

Commercial PACE/Financing Workshop

Contract goals: SBCCOG staff has been working with BKi staff to develop a workshop for businesses and commercial properties, targeting the Green Building Challenge participants.

Status of goals: The date is October 26, 2016 at the DoubleTree in Torrance. The title of the workshop is ***Building Economic Resilience: Removing the Financing Barriers to Your Energy Efficiency, Water, and Solar Upgrades.*** Master of Ceremonies - Jeff Malin, Governor's Office of Business and Economic Development, keynote speaker - Sara Neff, Senior Vice President of Sustainability, Kilroy Realty Corporation, and industry experts have been confirmed. Five vendors have been identified and are in the process of being confirmed.

SCE Workshops SBCCOG will host CAL Green 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: 76/72 outreach events; 5/18 information/formation meetings

In September, collateral material was distributed at eleven SBCCOG outreach events. SBCCOG staff continued to work with Metro to support Harbor UCLA's efforts for vanpool formation and their quarterly Rideshare Event. SBCCOG staff met with Terranea Resort and resumed work to facilitate a parking mitigation strategy that will include a combination of vanpool and carpool options for 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: 110 completed to date, SBCCOG staff has facilitated the outreach of MEL materials at 110 community events; 11 presentations of the MEL Promotional Marketing Team; and 9 SBESC e-newsletter articles. 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 will occur 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). Outreach to the California Apartment Association, local EVCS advocates and SBCCOG contacts continued to secure opportunities to promote, distribute, and interact with MUD owners as part of Task 3. A survey was distributed to property owners in attendance at the Southern California Apartment Association Annual Trade Show in Long Beach; 29 Survey responses were recorded at the event. On-line surveys were distributed through the South Bay Apartment Association trade organization to 3,000 targeted MUD Owners and property managers. Work on Task 3 "Owner's Toolkit and Workshop" continues with the Luskin Team. SBCCOG staff continues to work with the Apartment Association to promote the "Hot Topic" workshop and has confirmed a December 7th date for the event to occur.

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

The Travel Pal officially launched on May 16th. 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. From the date of the site’s launch through September 30th, 252 individuals had registered as Travel Pal members; An additional 157 individuals from the City of Torrance’s Rideshare program are in the process of being entered in the system with 479 individuals having had at least 1 session (time spent on the site). A total of 694 users (new and repeat) have had 1,159 sessions (time spent on the site) with each session lasting an average of 5 minutes and 20 seconds per user. Travel Pal outreach and follow-up continues with the Forum, StubHub Center, Beach Cities Blue Zone, targeted South Bay Cities, and the Terranea Resort. Travel Pal was used at the City of Hermosa Beach’s Labor Day Fiesta event; the tool’s primary application was to promote alternative travel options as well as assist and direct guests to off-site parking and the event’s Bicycle Valet Parking option. Using social media and SBCCOG media marketing channels Travel Pal was able to engage over 200 users about this Event Travel message.

II. MARKETING, OUTREACH, & IMPLEMENTATION

Workshops, Trainings & Exchanges

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

Event Date	Event Name	No. Attended/ No. of RSVPs	Marketing Info. (how did they hear about the workshop):	Staff Lead
9/10/16	Greywater Workshop - Hawthorne	48/110	Email: 47 Flyer: 8 Friend or Family: 10 Local Publication: 8 Social Media: 6 Website: 23 Other: 8	AB
9/10/16	Weather-Based Irrigation Controller Exchange – Redondo Beach (31 controllers exchanged)	27/33	Email: 30 Flyer: 5 Friend or Family: 1 Social Media: 2 Website: 4 Other: 1	ML
9/28/16	Green Building Challenge Recognition and Awards Ceremony	60/79	Email: 22 Flyer: 18 Local Publication: 11 Social Media: 6 Website: 8 Other: 14	JZL
9/29/16	Making Your Home Healthier and More Comfortable the Energy and Water Efficiency Way	/	N/A	GFG

Outreach Events

- 9 community events – 3 scheduled for October
- 2 business events
- 2 employee events
- 5 presentations/workshops (includes SBCCOG overview)

Calendar year to date through September 2016
52 community events
4 business events
8 employee events
23 Business/business car/ business briefing or group presentations events
25 presentations/workshops

Media

Earned Social Media

“West Basin Weather Based Controller Exchange” Nextdoor, Step. 1, 2016

Social Media

As of September 29, 2016 social media following is as follows:

Twitter: 436 followers, 2,245 impressions*
Facebook: 530 likes, 9,540 impressions
LinkedIn: 101 followers, 623 impressions

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

Top Tweet earned 270 impressions

**Bike to #FiestaHermosa & park in a free
valet lot on the sand, south of the Pier - thnx
@HermosaCyclery!**

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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, SoCalGas Energy Efficiency Starter Kit, West Basin Water Education & Water Recycling Tours, SBCCOG Summer Baywatch publication, PATH, Travel Pal, Vanpool and Express Lane, Sanitation Districts Joint Water Pollution Control Plant Tour August 6 flyers, Green Community Education and Outreach Open House, Making Your Home Healthier & More Comfortable Energy & Water Efficiency free workshop, and Holiday Light Exchange.

Volunteer Program

Status of Program: 106 hours – Grand Total 16,296.43 (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. All Board members are invited and encouraged to attend. Staff is seeking gifts for the volunteers from our partners. Partners have also been invited to the Volunteer Recognition.

Holiday Light Exchange

The Holiday Light Exchange for 2016 will be held November 9 and 10. Sponsorships as of September 30 include Energy Upgrade California®, Chevron, South Bay Association of REALTORS®, Athens Services, Continental Development Corporation, GSE Solutions and Susan Jones 3 Leaf Realty. Walser’s of Torrance has once again agreed to recycle the old wiring and incandescent holiday lights turned in.