

South Bay Cities Council of Governments

October 26, 2017

TO: SBCCOG Board of Directors

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

SUBJECT: Environmental Activities Report – September 2017

Adherence to Strategic Plan:

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

I. PROGRAMS - TECHNOLOGY, PLANNING, & RESEARCH

Climate Action Planning

Strategic Growth Council (SGC) Grant

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

- Land Use/Transportation City Plans: The second round of city meetings have been completed. Drafts of each city's LUT chapter are being finalized including the introduction, chapter, and appendices.
- LUT Subregional Plan: Regional emission reductions have been calculated and the methodology report is being finalized.
- **December 13, 2017 Forum:** A Save the Date produced by LARC and the SBCCOG has been completed and sent out.

Energy Efficiency

Energy Efficiency Partnership Program – Southern California Edison (SCE)

2017 Energy Saving Goal: 1,245,812 kWh

2017 Demand Reduction Goal: 78 kW

2017 Status: 427,710 kWh; **Goal exceeded** 112 kW

The SBCCOG staff along with the energy engineer has been working diligently with the cities of Carson, Inglewood, and Torrance to help facilitate project completion so that the cities don't lose any incentive funding or related benefit. In addition, staff continues to work with other cities' staff as needed to help facilitate energy efficiency projects. Elected officials can continue to help the SBCCOG meet Edison goals by discussing projects with their staff, supporting project delivery, and notifying the SBCCOG staff of upcoming projects.

The Energy Management Group met this month and discussed city projects in the pipeline and the issue of LED exterior lighting and possibly LED street lighting incentives expiring by December 31, 2017. The

urgency to complete projects before December 31 was expressed to city staff by the SBCCOG’s energy engineer and staff. SCE HVAC optimization was the topic of the presentation for the September meeting.

The following is a list of “pipeline” projects specific to electricity (note: gas co-benefit savings are listed where applicable). Each city’s Energy Leader Partnership (ELP) program status is also included. Note: it is anticipated that if all the 2017 projects are completed within the estimated timeline, the SBCCOG will meet or exceed the SCE goal.

PIPELINE TOTALS						
City	Current ELP Tier Level	Energy Efficiency Measures (EEMs)	Estimated Completion Date	Estimated kWh savings	Estimated Therm Savings (co-benefit)	Estimated Incentive (\$)
Carson	Gold	Lighting/Pool Boiler/Water Heater/VFD	Q3 2017	28,578	4,500	\$6,144
		Pool Pump VFD	Q4 2017	51,758	n/a	\$11,646
		Exterior & Interior Lighting	Q1 2018	688,002	n/a	\$108,758
		LED Streetlights	Q4 2017	588,596	n/a	\$117,719
Gardena	Gold	Exterior & Interior Lighting	Q2 2018	78,125	n/a	\$13,281
		Exterior & Interior Lighting	Q2 2018	284,534	n/a	\$24,626
Hermosa Beach	Gold	Exterior & Interior Lighting	Q3 2017	297,157	n/a	\$39,141
Inglewood	Gold	LED Streetlights	Q4 2017	646,254	n/a	\$396,830
		Elevator Motor-Generator Set	Q4 2017	121,900	n/a	\$29,007
		Chiller VFD/HVAC Controls	Q1 2018	291,870	11,035	\$115,022
Manhattan Beach	Platinum	Exterior LED Lighting	Q3 2017	55,305	n/a	\$13,890
Rancho Palos Verdes	Gold	LED Streetlights	Q3 2017	38,269	n/a	\$6,506
		LED LS-1 to LS-2 Conversion	Q1 2019	557,976	n/a	\$240,992
Redondo Beach	Gold	LED Lighting	Q3 2017	132,020	n/a	\$22,443
Rolling Hills Estates	Gold	LED Streetlights	Q3 2018	58,409	n/a	\$10,327
Torrance	Gold	LED Lighting	Q1 2018	837,954	n/a	\$164,370
		Exterior & Interior LED Lighting	Q4 2017	125,300	n/a	\$21,301
		Interior LED Lighting	Q4 2017	24,578	n/a	\$10,482
		VFD & Pump Motor	Q1 2018	172,003	n/a	\$29,240
		LED Streetlights	Q3 2018	224,676	n/a	\$38,195
Total				5,303,264	15,535	\$1,419,920.00

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

2017 Goal: 10,000 therms

2017 Status: 22,066 therms

2017 Incentives Received: \$33,001

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

Agency	Energy Efficiency Project	Therm Savings	Incentive	Status
Palos Verdes USD	Pool Cover	8,540	\$10,248	2017
City of Inglewood	Replace 4x boilers	TBD*	TBD*	Planning
City of Carson	Replace 3x boilers	2,718	\$6,750	2017
City of Carson	Tankless Water Heater Replacement	1,058	TBD*	Planning

Inglewood USD	Pool Heater	1,500	\$1,538	2017
Inglewood USD	Pool Heater	1,980	\$2,030	2017
Redondo Beach USD	Pool Cover	6,270	\$12,435	2017
	Total Therms Identified	22,066	\$33,001	

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

Renewable South Bay

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

- The next quarterly Renewable South Bay Working Group meeting is scheduled for October 11, 2017.
- SBCCOG staff has collected 2016 solar permit data from 11 cities to date (El Segundo, Gardena, Hawthorne, Hermosa Beach, Lomita, Manhattan Beach, Rancho Palos Verdes, Redondo Beach, Rolling Hills, Rolling Hills Estates, and Torrance).

SBCCOG has approved the co-marketing agreement to continue promoting Renewable South Bay through December 2017.

HERO – PACE: SBCCOG continues to promote PACE financing for homeowners. The spreadsheet below covers the activity from each South Bay members’ jurisdiction since the launch date through August 31, 2017. Proceeds from HERO for 2017 Q2 = \$1,745.84. Proceeds for 2017 Q3 are expected in October. Total since program start - \$25,153.58. Payments to SBCCOG are based on HERO programs that are completed in the South Bay.

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	21,375	1,742	1,166	\$80,592,412	646	\$16,624,936	141	1,092	61	161	370	3,959,361	971
El Segundo	5/23/14	4,209	48	40	\$6,748,578	24	\$629,058	5	30	4	8	18	168,929	41
Gardena	5/23/14	12,360	600	410	\$27,841,709	216	\$5,436,563	46	343	22	34	68	1,036,111	252
Hawthorne	5/23/14	11,621	469	339	\$26,553,789	189	\$4,322,937	37	290	8	36	72	940,801	231
Hermosa Beach	5/23/14	6,473	53	40	\$8,413,706	18	\$368,443	3	20	0	8	18	89,389	23
Inglewood	5/23/14	19,038	1,213	817	\$56,251,467	445	\$11,451,166	97	720	44	46	105	2,057,637	499
Lawndale	5/23/14	5,262	126	82	\$6,094,350	42	\$932,103	8	68	5	10	21	214,919	54
Lomita	5/23/14	4,606	95	81	\$7,726,040	39	\$900,965	8	61	6	10	32	299,204	73
Manhattan Beach	5/28/15	12,403	87	77	\$17,400,668	37	\$1,195,259	10	65	6	22	77	410,620	105
Palos Verdes Estates	5/28/15	5,115	35	31	\$6,812,522	10	\$527,780	4	16	3	4	11	78,276	20
Rancho Palos Verdes	5/23/14	14,759	204	181	\$29,342,691	81	\$2,210,668	19	123	5	16	59	604,520	146
Redondo Beach	3/24/15	20,292	176	145	\$19,225,247	76	\$1,527,847	13	111	3	18	37	416,655	102
Rolling Hills	5/23/14	698	6	6	\$1,631,678	2	\$119,637	1	2	0	0	0	995	0
Rolling Hills Estates	5/23/14	3,090	39	35	\$6,701,004	19	\$659,340	6	24	2	8	35	175,248	45
Torrance	5/23/14	37,899	670	552	\$59,346,114	309	\$7,037,595	60	430	32	94	228	1,785,373	445
Total		179,200	5,563	4,002	\$ 360,681,976	2,153	\$ 53,944,299	458	3,395	201	475	1,153	12,238,038	3,008

* 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, W/2013.

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

YGRENE – PACE

Just as the agreement with HERO, the SBCCOG receives a small amount of funding for Ygrene activities in the South Bay in return for promoting PACE. Ygrene reported approved projects totaling \$6,290,789.75 for 2016 and payment to the SBCCOG of \$3,145.39 based on our agreement (0.05%). Thus far, proceeds for 2017 = \$422.71 for Q1 and \$755.89 for Q2. City breakdown by project listed below:

Activity through August 2017.

Ygrene Energy Fund South Bay Cities Council of Governments																				
2017 August																				
Project Type		Residential						Commercial						Project Type						
District	Launch Date	# Apps	Eligible Amount	# Approvals	Approved Amount	# Completed Contracts	Completed Contract Amount	# Apps	Eligible Amount	# Approvals	Approved Amount	# Completed Contracts	Completed Contract Amount	Jobs Created	Energy	Water	Renewable	Solar MWh Installed	Lifetime kWh Saved	Lifetime CO2 Reduced (Tons)
Carson	10/6/2015	24	\$1,908,670	21	\$2,337,235	12	\$353,726	0	\$0	0	\$0	0	\$0	5	10	1	1	0.02	2,400,298	424
El Segundo	12/15/2015	0	\$0	0	\$166,234	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	0
Gardena	1/12/2016	12	\$823,909	12	\$938,513	6	\$311,212	1	\$29,948	0	\$29,948	0	\$0	5	5	1	0	0	2,111,806	373
Hawthorne	10/13/2015	4	\$368,281	4	\$483,809	3	\$73,030	0	\$0	0	\$0	0	\$0	1	1	2	0	0	495,564	88
Lomita	8/26/2015	0	\$0	0	\$157,737	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	0
Redondo Beach	1/19/2016	1	\$126,599	1	\$126,599	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	0
Rolling Hills Estates	10/13/2015	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	0
Torrance	10/13/2015	2	\$228,807	2	\$228,807	2	\$137,235	0	\$0	0	\$0	0	\$0	2	1	0	1	0.01	931,243	165
Totals		43	\$3,474,266.00	40	\$4,550,934.00	23	\$875,203.00	1	\$29,948.00	0	29,948	0	0	13	17	4	2	0.03	5,938,911	1,050

REEL/Go Green Financing:

Contract goal: 5 outreach events; The SBCCOG continued to promote the statewide financing program known as the Residential Energy Efficiency Loan (REEL) program through outreach events.

Status of goal: 6 events completed. Social media (Facebook and Twitter) continued through the end of September.

Green Building Challenge

The Green Building Challenge (GBC) pilot program focuses on activities for businesses that reduce energy use, water consumption, and waste while maximizing the use of incentives and rebates. The program is funded by Edison, SoCalGas, West Basin Municipal Water District, and Golden State Water. SBCCOG staff has completed a total of 13 ASHRAE Level 1 audits for businesses. Staff continues to contact participants to schedule audits. Standings by city: Torrance (35), Lawndale (26), Redondo Beach (16), El Segundo (15), Gardena (15), Hawthorne (15), Carson (12), Inglewood (10), Manhattan Beach (8), Palos Verdes Estates (7), Rancho Palos Verdes (7), Hermosa Beach (5), Rolling Hills Estates (4), Lomita (3), Lennox (2), and Los Angeles County – Community of Westmont (1). Total of 181 businesses.

Water Conservation

West Basin Municipal Water District Programs (West Basin) *Contract year is Sept. 1, 2017 through Aug. 31, 2018*

Task 1. Educational Outreach Support

Water Reliability Support Cards

Contract goals: 300 support cards

Status of goal: 20 collected in September

Task 2. Support for Workshops & Events

Educational Classes

Contract goals: minimum of 12 and a maximum of 24

Status of goals: 1 completed

Rain Barrel Giveaway

Contract goal: 5

Status of goal: to be scheduled between January and May 2018

Greywater Workshops

Contract goal: 15 workshops: 5 symposiums and 10 Hands-on-workshops (3 in each Director's division)

Status of goal: waiting for direction from West Basin

Water Harvest

Contract goal: Support West Basin with Water Harvest Event

Status of goal: SBCCOG staff has met with West Basin for planning purposes of the Water Harvest scheduled for October 14, 2017. SBCCOG staff is responsible for providing 15 volunteers the day of the event. To date, 15 volunteers have been secured through the Beacon House and SBCCOG volunteers.

Task 3. Water Reliability Program

Contract goal: schedule up to 6 Water Reliability related presentations.

Status of goal: waiting for direction from West Basin staff; West Basin speakers' bureau is expected to be up and running in January-February 2018.

Task 4. Cash for Kitchens

Contract goal: target up to 75 institutional facilities (Schools Districts, Cities, Hospitals, Colleges, Community Centers, Churches, and Convalescent Senior Centers) with food service and/or kitchen operations on-site.

Status of goal: 7 water surveys were completed in September; outreach was conducted in the following cities: Carson, Hawthorne, Gardena, Lawndale, El Segundo, Manhattan Beach and Rolling Hills Estates.

Task 5. Disadvantaged Community (DAC) Water-Energy Initiative Program (Clothes-Washer)

Contract goal: provide outreach to DAC areas within West Basin's service area and provide free installation of high-efficiency showerheads, faucet aerators, and clothes washers.

Status of goal: SBCCOG staff has started conducting outreach in DAC communities of LA County unincorporated

Task 6. Translation Services

Contract goal: as needed

Status of goal: No translation services were provided in the month of September.

Torrance Water

Task 1: Support for educational classes and community events

Contract goal: as requested

Status of goal: Torrance offered a Turf Removal on September 23rd and has a CA Friendly Landscape Training scheduled on October 28th. A rain barrel giveaway event is tentatively scheduled for Saturday, November 11th.

Task 2: Cash for Kitchens

Contract goal: 10 new commercial kitchens; 10 follow-up site visits

Status of goal: SBCCOG staff had a conference call with Torrance staff to determine the number and types of devices that need to be ordered for the Cash for Kitchen program; SBCCOG staff developed outreach flyer.

MWD Caucus Meeting

The September meeting included a presentation on the California Water Fix and the third white paper on Finance/Cost. A public meeting will be held at the MWD Board meeting on September 26 where a vote may be taken. A second topic of note was an item regarding adopting CEQA determination and authorizing entering into agreements related to a cooperative measure in the Colorado River Basin that would include payment of up to \$7.5 million for acquisition of supplies from projects, continuing participation in the pilot program to fund water use efficiency measures for the Colorado River, and payment of up to \$2 million for efficiency measures. Resulting conserved water would be converted and stored in Lake Mead for future delivery to Metropolitan.

Sanitation Districts of LA County (LACSD)

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

Status of goals: 3 presentations have been completed; 1 tentatively scheduled at the Gardena Kiwanis; staff will continue to reach out to service clubs to schedule the additional presentation.

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

Contract goals:

- 6-10 targeted special exhibit events

Status of goal: 5 completed; 1 event scheduled (October 8th); SBCCOG staff visited the San Pedro Farmers Market and got updated contact information for the manager

- 1 training for SBCCOG Volunteers on LADWP programs

Status of goal: **Goal met** (6/1/17)

- 4-6 commercial kitchens to be identified for water assessments and conservation training
Status of goal: SBCCOG staff has developed a flyer and received approval for the water assessment program. The flyer has been translated into Spanish. SBCCOG staff has developed a list of restaurants in the Harbor City, Harbor Gateway, San Pedro, and Wilmington areas and has started outreach in Wilmington. Water assessments will begin in October.

Transportation

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

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

Status of goals: 171 outreach events; 8 information/formation meetings

In September, collateral materials were distributed at 11 SBCCOG outreach events. SBCCOG staff worked with the City of Torrance at their Ride Share event to form another city-operated vanpool. SBCCOG staff presented and promoted Metro's programs at the "National Drive Electric Day" event at Harbor Gateway. Staff continued discussions with Enterprise and Green Commuter to leverage outreach and marketing in support, respectively, for their outreach and Zero Emission Vehicle (ZEV) vanpool programs. Continued efforts to follow-up and schedule vanpool formation meetings with PCT Properties in El Segundo and CSUDH. Participation in the City of Carson's Rideshare event has been scheduled for October 26th

Metro Express Lanes (MEL) (Contract period Aug. 1, 2015 – Jul. 31, 2018)

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

Status of goal: **Goal met** 218 community events and 12 presentations of the MEL Promotional Marketing have been completed. In addition, 20 SBESC e-newsletter articles have been facilitated by SBCCOG staff.

SBCCOG continues to send multiple invitations and notices to Metro staff about future South Bay MEL events that would be of value. SBCCOG staff presented and promoted Metro's MEL program at the "National Drive Electric Day" event at Harbor Gateway. Additionally, SBCCOG incorporated MEL messaging through the Smart Mobility (Travel Pal) Program with attendees of the Fiesta Hermosa Beach event.

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

Statistics are from May 2016 – September 2017: 779 Registered Users; 12 Sub-Networks; 678 Trips Logged; 2,992 People have “Used” Travel Pal – at least once; 4,898 Total “Sessions” – actively engaging in the Travel Pal; 68% of all sessions are estimated as being “New Visitors”. Of note, this past month was the successful use of Travel Pal for the Hermosa Beach Fiesta Day's (Labor Day Weekend) Transportation Messaging – over 1000 new users dropped into Travel Pal to learn more about parking and shuttle services to the event.

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

- Transportation Messaging for: Fleet Week; Hermosa Beach (Labor Day) Fiesta Days; and, the Redondo Beach Lobster Festival.
- Recruiting CSUDH, Marymount University, and El Camino College to use Travel Pal as a Ride Share teaching tool for students to learn about their transportation carbon-footprint or for Event/Venue transportation messaging for their respective campuses.

II. MARKETING, OUTREACH, & IMPLEMENTATION

Workshops, Trainings & Exchanges

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

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
9/23/17	Turf Removal Class – Torrance	34/52	Email: 33; Flyer: 3; Friend or Family: 4; Local Publication: 1; Social Media: 1; Website: 9; Other: 1	ML
9/27/17	Turf Removal Class – Rolling Hills Estates	19/31	Email: 21; Friend or Family: 2; Social Media: 1; Website: 4; Other: 3	GF
9/28/17	Moving Toward Zero Waste Workshop	15/27	Email: 20 Flyer: 1; Friend or Family: 1; Social Media: 1; Website: 3; Other: 1	GF

Outreach Events

- 8 community events in September; 4 scheduled in October
- 2 employee events scheduled in October
- 1 presentation/workshop in September; 2 presentation/workshop scheduled in October

Calendar year-to-date through September 2017:

- 51 community events
- 2 employee events
- 3 business events
- 11 presentations/workshops

Holiday Light Exchange Update

The SBCCOG’s annual Holiday Light Exchange is scheduled to take place at the South Bay Environmental Services Center on Thursday and Friday, November 30 and December 1, 2017. Sponsors to date are: Chevron (\$1,000), Watson Land Company (\$1,000), South Bay Association of REALTORS® (\$500), 3 Leaf Realty (\$250), Continental Development (\$250, and GSE Solutions (\$250). Let Marilyn Lyon know if you know of a business or individual that would like to be a sponsor, and she will contact them.

Media

Social Media

- SBCCOG -- Totals for Social Media (SBCCOG) (*top tweet – right*)
 - Twitter: 96 followers total, 637 impressions* month of September
 - Facebook: 38 likes total, 14 impressions month of September
- SBESC -- Totals for Social Media (*top tweet – right*)
 - Twitter: 505 followers total, 4,000 impressions* month of September
 - Facebook: 674 likes total, 2,289 impressions month of September
 - LinkedIn: 108 followers total, 155 impressions month of September

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

Top Tweet earned 92 impressions

Check out our new "Environmentally Friendly Landscaping, Gardening and Pest Control" program pages: ow.ly/Hb130fpMXp #SouthBay #IPM

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Top Tweet earned 1,154 impressions

Receive a free summary of findings & any recommended steps to reduce water and energy consumption...

ow.ly/SWIC30eNEq1 #CFK #SouthBay pic.twitter.com/KrSE7M5uay



Save water, energy and money with the CASH FOR KITCHENS program.

The Program: West Basin's Cash for Kitchens Program provides FREE water-use surveys for public Institutional Kitchen Facilities. Beginning in Fall 2017, facilities that have completed a survey may be eligible for high-efficiency equipment installed by West Basin at no charge.

Press Releases/Press Interviews/Articles/Cable TV

“Holiday Light Exchange Community Partner Opportunity,” Chambers of Commerce in South Bay, September 2017

“New State of California Energy Efficiency Residential Loan Program REEL – Designed to help California Homeowners and renters access to lower cost financing for energy efficiency projects,” September 12, 2017 Hermosa Beach Live Streaming City Council Mayor Announcement

“South Bay Cities Council of Governments Board of Directors Meeting,” Torrance CitiCABLE September 28, 2017

Earned Print Media/Online Media

“West Basin Turf Removal Class Rolling Hills Estates 9/27/17,” Nextdoor, September 20, 2017

“Environmental workshop,” Daily Breeze, September 28, 2017

Volunteer Program

Status of Program: 72.5 hours for September 2017; 2017 thus far = 700.75 hours

Grand total as of 9/30/17: 17,432.93 (starting April 2008)

The date for the Volunteer Recognition is **November 16**, 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.