

South Bay Cities Council of Governments

September 28, 2017

TO: SBCCOG Board of Directors

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

SUBJECT: Environmental Activities Report – August 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 completed, cities will 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 August include:

- Land Use/Transportation: City emissions were calculated for Manhattan Beach and Rolling Hills. SBCCOG staff and consultants continue to collect city input data for the remaining cities and work on the draft template for the city chapters. The methodology for the Sub-regional emissions is being refined and the emissions are being calculated.
- CAP Co-benefits: A co-benefit spreadsheet has been developed to compare co-benefits of GHG reduction measures with other CAPs. Co-benefits will be listed for each of the sections in the final city CAPs and can help leverage the CAPs for cities to obtain future implementation funding.

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 continue to have regular conference calls every few weeks with the cities of Carson, Inglewood, and Torrance to review project status. 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 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.

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	\$10,644
		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	685,503	n/a	\$135,627
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	316,925	n/a	\$44,798
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	138,618	n/a	\$23,565
Rolling Hills Estates	Gold	LED Streetlights	Q3 2018	58,409	n/a	\$7,301
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	26,718	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				5,428,677	15,535	\$1,446,081.00

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

2017 Goal: 10,000 therms

2017 Status: 7,980 therms

2017 Incentives Received: \$10,926

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	Active
City of Inglewood	Replace 4x boilers	TBD*	TBD*	Planning
City of Carson	Replace 3x boilers	TBD*	TBD*	Planning
Torrance USD	Space heating boilers	TBD*	TBD*	Active
Marymount California University	Solar Thermal Heating	TBD*	TBD*	Planning
City of Carson	Tankless Water Heater Replacement	965	\$456	Planning
Inglewood USD	Boiler Replacement	TBD*	TBD*	Active
Wiseburn USD	New high school with two new meters	TBD*	TBD*	Active
Total Therms Identified		9,505	\$10,704	

* 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 in October.
- 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 staff, in collaboration with Renovate America staff, developed a scope of work for the next contract period (ending in December 2017); currently waiting for comments from Renovate America.

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 11 ASHRAE Level 1 audits for businesses, with 3 more pending. Staff continues to contact participants to schedule audits. Other activities in progress include developing the program end report and the program design going forward. Standings by city: Torrance (35), Lawndale (26), Redondo Beach (16), El Segundo (15), Gardena (15), Hawthorne (15), Carson (11), 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 180 businesses.

REEL/Go Green Financing:

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

Status of goal: 4 events completed; 1 event has been scheduled in September. Social media activities are ongoing through the end of September.

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 July 31, 2017. Proceeds from HERO for 2017 Q1 = \$1,763.82. Proceeds for 2017 Q2 are expected in September. Total since program start - \$23,407.74. Payments to SBCCOG are based on HERO programs that are completed in the South Bay.



California HERO Activity Report
South Bay Cities Council of Governments
Launch Date through July 31, 2017

Program Activity through July 31, 2017

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	1,681	1,124	\$77,209,398	636	\$16,454,285	140	1,082	60	156	355	3,914,115	958
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	591	402	\$27,231,475	213	\$5,353,477	45	338	22	32	63	1,004,825	244
Hawthorne	5/23/14	11,621	461	333	\$26,012,469	186	\$4,225,075	36	283	8	34	66	911,670	224
Hermosa Beach	5/23/14	6,473	52	40	\$8,413,706	18	\$368,443	3	20	0	8	18	89,389	23
Inglewood	5/23/14	19,038	1,192	805	\$55,292,989	436	\$11,164,269	95	709	41	46	105	2,009,459	489
Lawndale	5/23/14	5,262	120	81	\$5,965,667	42	\$932,103	8	68	5	10	21	214,919	54
Lomita	5/23/14	4,606	93	79	\$7,497,078	38	\$881,328	7	60	6	10	32	298,772	73
Manhattan Beach	5/28/15	12,403	85	76	\$17,150,668	36	\$1,084,871	9	53	1	22	77	376,533	97
Palos Verdes Estates	5/28/15	5,115	34	30	\$6,562,522	10	\$527,780	4	16	3	4	11	78,276	20
Rancho Palos Verdes	5/23/14	14,759	200	178	\$28,984,505	81	\$2,210,668	19	123	5	16	59	604,520	146
Redondo Beach	3/24/15	20,292	176	145	\$19,225,247	75	\$1,496,058	13	111	3	16	33	409,672	100
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	37	33	\$6,201,004	18	\$580,512	5	24	2	6	20	152,922	38
Torrance	5/23/14	37,899	662	547	\$58,676,061	307	\$6,998,692	59	425	32	94	228	1,752,231	438
Total		179,200	5,438	3,919	\$ 352,803,047	2,122	\$ 53,026,255	450	3,344	192	462	1,108	11,987,226	2,944

* 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.

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 July 31, 2017.

2017 July																				
Ygrene Energy Fund																				
South Bay Cities Council of Governments																				
2017 July																				
Project Type	District	Launch Date	# Apps	Residential				Commercial				Project Type								
				Eligible Amount	# Approvals	Approved Amount	Completed Contract Amount	Eligible Amount	# Approvals	Approved Amount	Completed Contract Amount	Jobs Created	Energy	Water	Renewable	Solar MW Installed	Lifetime kWh Saved	Lifetime CO2 Reduced (Mtons)		
	Carson	10/6/2015	25	\$1,843,409	23	\$2,696,406	11	\$327,966	-	-	-	-	-	5	5	3	3	0.02	2,225,497	394
	El Segundo	12/15/2015	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0
	Gardena	1/12/2016	6	\$474,239	5	\$474,239	3	\$31,250	-	-	-	-	-	0	2	1	0	0	212,055	38
	Hawthorne	10/13/2015	0	\$0	0	\$179,623	1	\$34,662	-	-	-	-	-	0	1	0	0	0	0	0
	Lomita	8/26/2015	2	\$157,737	2	\$157,737	2	\$40,425	-	-	-	-	-	0	2	0	0	0	274,314	49
	Redondo Beach	1/19/2016	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0
	Rolling Hills Estat	10/13/2015	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0
	Torrance	10/13/2015	4	\$446,664	4	\$446,664	1	\$32,179	-	-	-	-	-	0	1	0	0	0	218,353	39
	Totals		33	\$2,922,048.70	34	\$3,948,669.74	18	\$466,482.00	0	\$0.00	0	0	0	5	11	4	3	0.02	2,930,225	520

Water Conservation

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

Task 2. Support for Workshops & Events– GOALS COMPLETED

Contract goals: minimum of 12 and a maximum of 24 *Status of goals:* 15 completed

Greywater Workshops

Contract goal: 5 workshops (1 in each Director's division) *Status of goal:* 5 completed

Rain Barrel Giveaway

Contract goal: 5 *Status of goal:* 7 completed

Task 3. Water Reliability Program

Contract goal: schedule up to 6 Water Reliability related presentations. SBCCOG staff continues to work with West Basin staff to schedule presentations.

Status of goals: 2 have been scheduled

Contract goal: collect 300 support cards

Status of goals: 30 collected in August; total collected for contract year: 315 **Goal Met**

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. In August, SBCCOG staff conducted 26 water surveys in the South Bay.

Status of goal: 40 completed (project delayed due to West Basin scope of work revision.)

Task 5. Translation Services

Contract goal: as needed; provided translation services of the Water Harvest flyer, Cash for Kitchens poster, Car Wash postcard, About West Basin flyer, Conservation Program Fact Sheet and Manhattan Beach Annual Water Quality Report. SBCCOG staff translated two of West Basin's collateral pieces into Spanish in the month of August.

Task 6. Car Wash Program

Contract goal: Maintain a current list of car washes in the South Bay. Re-enroll current car wash (5) companies that are participating in the program. In August, SBCCOG staff assisted West Basin in

maintaining a list of car wash programs in the South Bay and reminding community event attendees to NOT wash their cars at home.

Status of goal: Prepared list and 5 car washes re-enrolled **Goal Met**

Torrance Water

Torrance offered a Greywater Workshop on Saturday, August 26th at the SBCCOG office; 2 additional classes are being offered: Turf Removal on September 23rd and CA Friendly Landscape Training on October 28th.

MWD Caucus Meeting

The August meeting included a presentation on the California Water Fix and the second white paper on Operations. MWD is releasing three white papers about infrastructure, operations, and finance/cost allocation to inform the Board before they make a decision in September. The white paper about operations details the benefits including improved water supply reliability, improved water quality, reduced climate change risks, and enhanced ecosystem fishery habitat throughout the Delta. The white papers and presentations can be found on the MWD website: <http://www.mwdh2o.com>

Sanitation Districts of LA County (LACSD)

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

Status of goals: 2 presentations have been completed; 1 scheduled at the South Bay Adult School in September; staff will reach out to service clubs to schedule the additional 2 presentations.

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: 4 completed; 2 events scheduled (September 16th and October 1st); SBCCOG staff is working on identifying additional events in CD 15

- 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 is working on identifying restaurants in Wilmington and Harbor City. SBCCOG staff has met with Wilmington Chamber and San Pedro Chamber CEOs for suggestions. Assessments will begin in September.

Transportation

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

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

Status of goals: 160 outreach events; 7 information/formation meetings

In August, collateral material were distributed at 8 SBCCOG outreach events. SBCCOG staff continued work with the City of Torrance to assist with vanpool analysis and formation for City staff commuting from Antelope Valley. SBCCOG 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 were made to follow-up and schedule vanpool formation meetings with PCT Properties in El Segundo, CSUDH, and Harbor UCLA Medical Center.

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** 207 community events and 12 presentations of the MEL Promotional Marketing have been completed. In addition, 19 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 promoted MEL through the Smart Mobility (Travel Pal) Program with attendees of the Manhattan Beach Volley Ball Tournament and the San Pedro “Crafted” event.

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

Statistics are from May 2016 – August 2017: 770 Registered Users; 12 Sub-Networks; 678 Trips Logged; 1,998 People have “Used” Travel Pal – at least once; 3,168 total “Sessions” – actively engaging in the Travel Pal; 62% of all sessions are estimated as being “New Visitors”.

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

- Manhattan Beach Parks and Recreation to incorporate Travel Pal into the Manhattan Beach Volley Ball Tournament’s transportation and travel messaging.
- Worked with the promoters of the San Pedro “Crafted and Ciclavia” event to successfully incorporate Travel Pal into the event’s transportation messaging.
- Began Transportation Messaging for the upcoming September events including: Fleet Week; Hermosa Beach (Labor Day) Fiesta Days; and, the Redondo Beach Lobster Festival.
- Engaged South Bay venues/event programming supporting transportation messaging efforts for: The Norris Theater’s summer/fall season and Special events at the El Segundo Automobile Museum.

II. MARKETING, OUTREACH, & IMPLEMENTATION

Workshops, Trainings & Exchanges

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

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
8/3/17	Turf Removal Class – Lomita	33/56	Email: 44; Friend or Family: 3; Social Media: 5; Website: 4	GF
8/26/17	Greywater/Rainwater Workshop - Torrance	25/54	Email: 36; Flyer: 4; Friend or Family: 3; Social Media: 5; Other: 3	JZL

Outreach Events

- 6 community events in August; 10 scheduled for September
- 2 presentation/workshop in August; 2 presentation/workshop scheduled for September

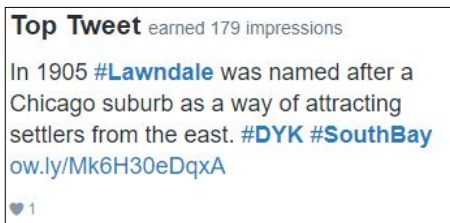
Calendar year-to-date through August 2017:

- 43 community events
- 3 business events
- 2 employee events
- 10 presentations/workshops

Media

Social Media

- SBCCOG -- Totals for Social Media (SBCCOG)



- Twitter: 87 followers total, 137 impressions* month of August
- Facebook: 37 likes total, 35 impressions month of August

- SBESC -- Totals for Social Media
 - Twitter: 500 followers total, 3,197 impressions* month of August
 - Facebook: 668 likes total, 1,528 impressions month of August
 - LinkedIn: 108 followers total, 327 impressions month of August

Top Tweet earned 665 impressions

@SBESC #delairewisebern
 #NationalNightOut2017 @WestBasin
 @ScottHoustonCA
 pic.twitter.com/1oS0bT19Ru



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

Press Releases/Press Interviews/Articles

“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,” submitted to cities during August

Earned Print Media

“Area cities facing a fiber-optic crisis,” Daily Breeze, August 7, 2017

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. To date we have four sponsors – Chevron, 3 Leaf Realty, Continental Development, and GSE Solutions. Let Marilyn Lyon know if you know of a business that would like to be a sponsor and she will contact them.

Volunteer Program

Status of Program: 81.5 hours for August 2017; 2017 thus far = 628.25 hours

Grand total as of 8/31/17: 17,360.43 (starting April 2008)