

South Bay Cities Council of Governments

November 13, 2017

TO: SBCCOG Steering Committee

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

SUBJECT: Environmental Activities Report – October 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

- Presentations on the city CAPs are being made at each city council before the end of the year for their approval. Additionally, some cities are having the SBCCOG provide presentations to their Environmental Commissions
- **December 13, 2017 Forum on Innovative Changes to Climate Action Planning** featuring the Sustainable South Bay Strategy and how it was used to provide additional strategies to traditional CAPs. The EV implementation Guide is being drafted.

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: 485,537 kWh; **Goal exceeded** 132 kW

The SBCCOG staff along with our energy engineer has been working with the cities of Carson, Inglewood, and Torrance to help facilitate project completion so that the cities don't lose incentive funding or related benefits. Inglewood staff has indicated that they will be able to complete their streetlight project before the end of the year. This project has significant energy savings which will bring the SBCCOG kWh achieved almost to goal. Note that activities conducted through December 31, 2017 count towards goal and final achievement for 2017 will not be known until February 2018 when SCE will have completed their review of all projects. In addition, staff continues to work with other cities' staff as needed to help facilitate energy efficiency projects including municipal direct install 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. 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	Q4 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	Q4 2017	297,157	n/a	\$39,141
Inglewood	Gold	LED Streetlights	Q4 2017	646,254	n/a	\$396,830
		Elevator Motor-Generator Set	Q1 2018	121,900	n/a	\$29,007
		Chiller VFD/HVAC Controls	Q1 2018	291,870	11,035	\$115,022
Manhattan Beach	Platinum	Exterior LED Lighting	Q4 2017	55,305	n/a	\$13,890
Rancho Palos Verdes	Gold	LED Streetlights	Q4 2017	38,269	n/a	\$6,506
		LED LS-1 to LS-2 Conversion	Q2 2019	557,976	n/a	\$240,992
Redondo Beach	Gold	LED Lighting	Q4 2017	132,020	n/a	\$22,443
Redondo Beach	Gold	LED Lighting	Q4 2017	39,606	n/a	\$6,733
Rolling Hills Estates	Gold	LED Streetlights	Q4 2017	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	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				5,303,264	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 Renewable South Bay Working Group met on October 11, 2017. Information was presented on the landmark regulatory and consumer protection legislation (SB 242 and AB 1284) that was recently signed by Governor Brown.

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 September 30, 2017. Proceeds from HERO for 2017 Q2 = \$1,745.84. Proceeds for 2017 Q3 are expected in November. Total since program start in 2014 = \$25,153.58. Payments to SBCCOG are based on HERO programs that are completed in the South Bay.

Activity through September 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	1,763	1,184	\$81,970,484	663	\$17,143,361	146	1,116	64	171	391	4,074,833	1,001
El Segundo	5/23/14	4,209	50	41	\$6,998,578	24	\$629,058	5	30	4	8	18	168,929	41
Gardena	5/23/14	12,360	621	425	\$29,036,669	224	\$5,596,326	48	351	23	34	68	1,042,153	254
Hawthorne	5/23/14	11,621	476	345	\$27,172,597	191	\$4,347,235	37	295	8	36	72	955,607	235
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	1,227	823	\$56,780,890	452	\$11,609,683	99	730	44	46	105	2,071,073	503
Lawndale	5/23/14	5,262	130	85	\$6,366,560	42	\$932,103	8	68	5	10	21	214,919	54
Lomita	5/23/14	4,606	95	81	\$7,726,040	41	\$986,151	8	65	6	12	36	308,622	76
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	206	183	\$29,694,328	82	\$2,235,668	19	126	5	16	59	619,247	150
Redondo Beach	3/24/15	20,292	179	148	\$19,633,298	77	\$1,540,328	13	112	3	18	37	426,128	105
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	40	35	\$6,701,004	20	\$673,760	6	26	2	8	35	193,244	49
Torrance	5/23/14	37,899	685	566	\$60,864,611	312	\$7,113,681	60	436	32	96	232	1,815,677	452
Total		179,200	5,653	4,070	\$ 367,203,634	2,195	\$ 55,018,472	467	3,458	205	489	1,182	12,469,712	3,066

* 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, #1/2013.

*** 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 payments to the SBCCOG for 2017 are \$422.71 for Q1 and \$755.89 for Q2. Since the program started in 2016 payments have totaled \$4,323.99. Payments to SBCCOG are based on Ygrene programs that are completed in the South Bay.

City breakdown by project listed below:

Activity through September 2017.

Ygrene Energy Fund South Bay Cities Council of Governments																							
2017 September																							
Project Type	District	Launch Date	Residential					Commercial					Project Type										
			# 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 MW Installed	Lifetime kWh Saved	Lifetime CO2 Reduced (Mtons)		
	Carson	10/6/2015	21	\$1,780,837	20	\$2,355,640	9	\$252,244	0	\$0	0	\$0	0	\$0	0	\$0	4	5	0	4	0.02	1,711,666	303
	El Segundo	12/15/2015	1	\$166,736	1	\$166,736	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	0
	Gardena	11/2/2016	5	\$285,538	4	\$432,406	5	\$75,382	0	\$0	0	\$0	0	\$0	0	\$0	1	4	1	0	0	511,524	90
	Hawthorne	10/13/2015	7	\$542,489	7	\$749,613	3	\$93,800	0	\$0	0	\$0	0	\$0	0	\$0	1	2	1	0	0.01	636,504	113
	Lomita	8/28/2015	1	\$114,370	1	\$114,370	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	0
	Redondo Beach	1/19/2016	0	\$0	0	\$0	0	\$0	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	0	0
	Torrance	10/13/2015	3	\$277,785	3	\$387,687	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	0
Totals			38	\$3,168,335.00	36	\$4,267,052.00	17	\$421,426.00	0	\$0.00	0	\$0	0	\$0	0	\$0	6	11	2	4	0.03	2,859,694	506

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. The October GBC e-newsletter focused on the Green Janitor Education Program and how SCE rewards businesses for HVAC efficiency. 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. In addition, the SBCCOG has submitted a letter of support to be a subcontractor on a California Energy Commission grant to expand the

program to include energy efficient new technology procurement information. Awardees will be named next year.

In January, the scope of the program will be reviewed and the name of the program will be changed to the South Bay Sustainable Green Business Program per Steering Committee approval October 2017.

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: 58; 38 cards were collected in October

Task 2. Support for Workshops & Events

Educational Classes

Contract goals: minimum of 12 and a maximum of 24

Status of goals: 1 completed; 1 scheduled (12/5/17)

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: completed; event was held October 14, 2017.

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: 1 water survey was completed in October; outreach was conducted in the following cities: Carson, Hawthorne, and Lawndale.

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 continues identifying potential community groups for outreach in DAC LA County unincorporated communities

Task 6. Translation Services

Contract goal: as needed

Status of goal: Translation services were provided in the month of October.

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 a CA Friendly Landscape Training on October 28th. A rain barrel giveaway event is scheduled for Saturday, November 18th.

Task 2: Cash for Kitchens

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

Status of goal: SBCCOG staff developed outreach marketing materials and sent vendor contact information to the City of Torrance Water Department for final approval. SBCCOG staff is waiting for water saving devices.

MWD Caucus Meeting

The October meeting included a presentation by Bill Hasencamp, Colorado River Program Manager with Metropolitan Water District, who provided an update on Colorado River issues and International Boundary & Water Commission (IBWC) Minute Order 323, the historic agreement between the United States and Mexico signed September 27, 2017. Deven Upadhyay, Group Manager, Water Resources Management with Metropolitan, described issues surrounding the upcoming vote that will take place on October 10 regarding Metropolitan's participation in the California WaterFix. Upadhyay stated that the California WaterFix is not about new water, but more reliable water.

Water Replenishment District of Southern California (WRD) Contract year is August 24, 2017-March 31, 2018.

Specific goals are not enumerated. SBCCOG staff will disseminate WRD's education and information materials in support of WRD's mission, including the 2040 Master Plan and the WRD/Goldsworthy Desalter project to the general public through the SBCCOG communication channels and community events. During the month of October, SBCCOG and WRD staff met to discuss upcoming events, obtain WRD logo for the SBCCOG websites and discuss timing of the opening of the WRD/Goldsworthy desalter.

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 scheduled at the November meeting of the Gardena NW Neighborhood Watch; staff has reached out to service clubs to schedule the additional presentation. SBCCOG Executive Director, Deputy Executive Director, and staff member met with Sanitation Districts General Manager and Chief Engineer to discuss and confirm next year's contract.

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: 7 completed; a meeting has been scheduled in November with Los Angeles Gateway Chamber of Commerce to discuss events in Harbor City/Harbor Gateway **Goal met**
- 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: 2 water assessment appointments scheduled for 11/1/17; outreach was conducted in Wilmington, Harbor Gateway, and San Pedro.

Transportation

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

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

Status of goals: 181 outreach events; 8 information/formation meetings

In October, collateral materials were distributed at 10 SBCCOG outreach events. SBCCOG staff followed-up with Enterprise to look for joint vanpool marketing opportunities in the South Bay. Staff continued discussions with 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. SBCCOG staff scheduled an outreach event to promote vanpool and other Metro programs at the City of Carson’s upcoming “Calling All Cars” – November, EV drive and ride event.

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** 228 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 "West Basin Water Harvest Festival" in El Segundo. Additionally, SBCCOG incorporated MEL messaging through the Smart Mobility (Travel Pal) Program with attendees at the Redondo Beach Lobster Festival event.

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

Statistics are from May 2016 – October 2017: 779 Registered Users; 13 Sub-Networks; 698 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”. SBCCOG staff and consultant created and posted an event planning module for the remaining Los Angeles Charger home football games; the messaging has not (to date) been supported by the Chargers and/or the StubHub Center. As a result, little or no activity has resulted from this activity. Event messaging was also used in support of West Basin’s Water Harvest Festival in El Segundo; initial metrics indicate that only a handful of individuals logged on to the platform before or during that time frame. SBCCOG has begun an initial outline for the final Metro report and has begun one last attempt to solicit interest and/or participation in the platform with Marymount University and El Camino College.

II. MARKETING, OUTREACH, & IMPLEMENTATION

Workshops, Trainings & Exchanges

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

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
10/28/17	California Friendly Landscape Training - Torrance	/60	Email: 30; Flyer: 7; Friend or Family: 8; Local Publication: 1; Social Media: 2; Website: 8; Other: 4	CW

Outreach Events

- 5 community events in October; 6 scheduled in November
- 2 employee events in October
- 1 business event in October
- 2 presentations/workshops in October

Calendar year-to-date through October 2017:

- 56 community events
- 4 business events
- 4 employee events
- 13 presentations/workshops

Holiday Light Exchange Update

The SBCCOG’s annual Holiday Light Exchange is scheduled to take place at the SBCCOG offices 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, GSE Solutions (\$250), and Athens Services (\$250). SBCCOG are encouraged to notify Marilyn Lyon of businesses or individual that might like to be a sponsor, and she will follow-up. In addition, two new Holiday Light Exchange events have been added this year with sponsorships from Supervisor Mark Ridley Thomas (\$3,200) for an event in the West Athens County unincorporated area (to be scheduled) and Councilman Joe Buscaino (\$1,100) for District 15 at the Harbor City at the November 15 Neighborhood Council meeting.

Media

Social Media

- SBCCOG -- Totals for Social Media (SBCCOG) (*top tweet – right*)
 - Twitter: 98 followers total, 871 impressions* month of October
 - Facebook: 40 likes total, 453 impressions month of October

- SBESC -- Totals for Social Media (*top tweet – right*)
 - Twitter: 507 followers total, 3,500 impressions* month of October
 - Facebook: 676 likes total, 1,949 impressions month of October
 - LinkedIn: 110 followers total, 201 impressions month of October

Top Tweet earned 236 impressions
 Read about recently passed and signed #PACE legislation related to consumer safeguards via @RenovateAmerica ow.ly/d/6TD2 pic.twitter.com/PdACznyUHW



1 5

Top Tweet earned 609 impressions
 California Friendly Landscape Training in Torrance - Saturday, October 28th conta.cc/2xNtpHI via @TorranceCA

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

Press Releases/Press Interviews/Articles/Cable TV

“Two South Bay Cities Honored for Achievements in Addressing Climate Change,” October 10, 2017
“SBCCOG Announces Holiday Light Exchange,” October 25, 2017

Earned Print Media/Online Media/Cable TV

“Water Harvest October 14, 2017 South Bay Travel Pal,” West Basin MWD website, October 2017
“South Bay Cities Council of Governments Board of Directors Meeting 9.28.17,” YouTube <https://youtu.be/8hAv9WFkWGY?t=4m52s> October 5-12, 2017
“Holiday Light Exchange,” Redondo Beach Chamber E-Newsletter, October 10, 2017
“Advocates want rail at starting line,” Daily Breeze, October 16, 2017
“Torrance California Friendly Landscape Class 10.28.17,” Nextdoor, October 20, 2017

Volunteer Program

Status of Program: 117.5 hours for October 2017; 2017 thus far = 818.25 hours
Grand total as of 9/30/17: 17,550.43 (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. Legislative offices and Partners have also been invited to the Volunteer Recognition.