

South Bay Cities Council of Governments

January 8, 2018

TO: SBCCOG Steering Committee

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

SUBJECT: Environmental Activities Report – December 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

- **City CAP** - Presentations to city councils continued in Dec. To date the following councils have approved their CAPs: Carson, El Segundo, Gardena, Hawthorne, Lawndale, Rancho Palos Verdes, Rolling Hills Estates, and Torrance. The City of Manhattan Beach Council has identified the document as the foundation for a more compressive CAP to be completed in 2018.
- **December 13, 2017 Forum on Innovative Changes to Climate Action Planning** was a success. The event featured the Sustainable South Bay Strategy and how it was used to provide additional strategies to traditional CAPs. Materials completed for the forum included presentations and two-page information sheets on LUT Chapter, SSBS, NEV/BEV studies, and GHG emission information. All materials are on the SBCCOG web site.
- **Reports** - The draft Shared Mobility Report and Emissions Manual were completed. The Sub-Regional Implementation guide is under development.

Energy Efficiency

Energy Efficiency Partnership Program – Southern California Edison (SCE)

2017 Energy Saving Goal: 1,245,812 kWh **2017 Status:** 1,055,048 **Goal:** 88% achieved

2017 Demand Reduction Goal: 78 kW **Goal:** 132 kW exceeded

The SBCCOG staff along with our energy engineer has been working with the cities of Carson, Inglewood, Rolling Hills Estates to help facilitate project completion of their streetlight installation so that the cities will not lose incentive funding or related benefits. All major projects are on track for completion by SCE's December 31 deadline for incentives to be valid. The Torrance Direct Install project was completed in December. In addition, SBCCOG staff continued to coordinate with SCE to help ensure projects receive incentive funds. 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	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	\$234,752
Gardena	Gold	Exterior & Interior Lighting	Q2 2018	78,125	n/a	\$13,281
		Exterior & Interior Lighting	Q2 2018	284,534	n/a	\$24,626
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	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
Total				4,691,157	15,535	\$1,443,907.00

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

2017 Goal: 10,000 therms **2017 Status:** 12,468 therms – Goal Exceeded

2017 Incentives Received: \$22,753

The following is a list of the gas specific projects for the incentives that were received in 2017:

<i>Agency</i>	<i>Project</i>	<i>Therm Savings</i>	<i>Incentive</i>	<i>Project Completion</i>	<i>Comments</i>
City of Inglewood	Replace 4x boilers	TBD	TBD		No application in house
City of Carson	boiler	2,718	\$6,750	2017	21411 Orrick
Inglewood USD	Pool heater	1,500	\$1,538	2017	10500 Yukon Av
Inglewood USD	Pool heater	1,980	\$2,030	2017	231 Grevillea
Redondo Beach USD	pool cover	6,270	\$12,435	2017	631 Vincent Park
Total Therms Identified 2017		12,468	\$22,753		

Question mark indicates that incentive amount is unknown at this time, but will be available once project is signed off by utility.

Renewable South Bay

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

The SBCCOG, in conjunction with Renovate America, hosted an Information Session for Minority, Women, and Veteran-owned businesses in the residential construction industry on December 6th at the SBESC office. Despite significant marketing efforts, by both the SBCCOG and Renovate America, there was only one contractor in attendance but the owner was able to receive one-on-one attention. Renovate America would like to offer a similar session in early 2018 with revised marketing efforts.

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 November 30, 2017. Proceeds from HERO for 2017 Q3 = \$1,247.81. Proceeds for 2017 Q4 are expected in January 2018. Total since program start in 2014 = \$26,401.39. Payments to SBCCOG are based on HERO programs that are completed in the South Bay. Activity through November 2017 listed below:

Member	Launch Date	Eligible Housing Units *	Total Applications Received	Applications Approved	Approved Amount	Funded Projects	Funded Amount	Jobs Created***	Energy	Water	Renewable	Solar kW Installed	Annual kWh Saved	Annual CO2 Reduced (Tons)
Carson	5/23/14	21,375	1,820	1,221	\$85,206,245	688	\$17,712,768	150	1,153	66	177	407	4,190,469	1,030
El Segundo	5/23/14	4,209	51	42	\$7,182,297	24	\$629,058	5	30	4	8	18	168,929	41
Gardena	5/23/14	12,360	638	434	\$29,714,575	232	\$5,785,504	49	375	24	36	71	1,094,124	266
Hawthorne	5/23/14	11,621	491	356	\$28,128,088	199	\$4,550,421	39	309	9	38	73	989,414	243
Hermosa Beach	5/23/14	6,473	53	40	\$8,413,706	19	\$395,206	3	20	0	10	23	96,974	26
Inglewood	5/23/14	19,038	1,249	836	\$58,052,502	462	\$11,854,773	101	743	45	48	111	2,133,681	518
Lawndale	5/23/14	5,262	135	90	\$6,912,212	43	\$1,018,648	9	72	5	10	21	219,013	55
Lomita	5/23/14	4,606	98	82	\$7,796,151	42	\$1,008,111	9	68	6	12	36	312,674	77
Manhattan Beach	5/28/15	12,403	89	80	\$18,104,211	39	\$1,289,800	11	68	7	24	85	426,488	110
Palos Verdes Estates	5/28/15	5,115	36	32	\$7,062,522	10	\$527,780	4	16	3	4	11	78,276	20
Rancho Palos Verdes	5/23/14	14,759	207	183	\$29,694,328	84	\$2,299,533	20	131	5	16	59	649,589	156
Redondo Beach	3/24/15	20,292	180	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	699	575	\$61,930,161	318	\$7,249,587	62	448	32	98	235	1,873,586	465
Total		179,200	5,792	4,160	\$ 376,162,979	2,259	\$ 66,654,914	481	3,573	211	507	1,222	12,853,584	3,160

* 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, 11/1/2013.

*** 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 \$1,874.50 to date. Since the program started in 2016 payments have totaled \$5,065.37. Payments to SBCCOG are based on Ygrene programs that are completed in the South Bay. City breakdown by project listed below for activity through November 2017:

Project Type	District	Launch Date	Residential					Commercial					Project Type								
			# Apps	Eligible Amount	# Approvals	Approved Amount	# Completed Contract	Completed Contract Amount	# Apps	Eligible Amount	# Approvals	Approved Amount	# Completed Contract	Completed Contract Amount	Jobs Created	Energy	Water	Renewable	Solar MW Installed	Lifetime kWh Saved	Lifetime CO2 Reduced (Mtons)
Carson	10/6/2015	12	\$911,410	9	\$1,828,875	6	\$185,485	0	\$0	0	\$0	0	\$0	0	3	4	1	1	0.01	1,258,656	223
Inglewood	8/8/2017	17	\$1,674,048	11	\$2,304,391	6	\$147,989	0	\$0	0	\$0	0	\$0	0	2	4	2	0	0	1,004,217	178
Gardena	1/12/2016	12	\$681,021	11	\$393,538	5	\$178,090	0	\$0	0	\$0	0	\$0	0	3	4	1	0	0	1,208,475	214
Hawthorne	10/13/2015	9	\$826,321	8	\$1,121,245	3	\$138,348	0	\$0	0	\$0	0	\$0	0	2	2	1	0	0	938,796	166
Lomita	8/26/2015	0	\$0	0	\$114,970	1	\$36,000	0	\$0	0	\$0	0	\$0	0	1	0	0	1	0.01	244,287	43
El Segundo	12/15/2015	1	\$193,650	1	\$193,650	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	-	0
Rolling Hills Estates	10/13/2015	2	\$453,954	2	\$662,904	2	\$106,708	0	\$0	0	\$0	0	\$0	0	2	0	2	0	0	724,094	128
Torrance	10/13/2015	8	\$917,225	6	\$1,052,915	2	\$65,130	0	\$0	0	\$0	0	\$0	0	1	2	0	0	0	441,956	78
Totals		61	\$5,657,629.00	48	\$8,273,088.00	25	\$857,750.00	0	\$0.00	0	\$0	0	\$0	0	14	16	7	2	0.02	5,820,481	1,030

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 14 ASHRAE Level 1 audits for businesses. The latest business to join the GBC was West Basin Municipal Water District. During the month of Dec., West Basin took advantage of the opportunity to complete an audit at the Donald L Dear Headquarters Building in Carson. 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). There is a total of 181 businesses participating in the program as of end of Nov. 2017. Staff is currently working on the year-end report.

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: 82 collected as of end of Dec 2017

Task 2. Support for Workshops & Events

Educational Classes

Contract goals: minimum of 12 and a maximum of 24

Status of goals: 2 completed

Rain Barrel Giveaway

Contract goal: 5

Status of goal: 5 scheduled (1/20/18 - Culver City (for El Segundo residents), 2/10/18 - Carson, 3/17/18 - Lawndale, 4/7/18 - Manhattan Beach, 5/19/18 - Inglewood)

Greywater Workshops

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

Status of goal: Tentative dates: 2/15/18 and 2/27/18 in Redondo Beach; 3/14/18 and 3/21/18 in Inglewood; 6/13/18 and 6/20/18 in Carson; Confirmed: 5/16/18 and 5/22/18 in Hawthorne

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 total.

Status of goal: 14 water surveys completed; 3 surveys conducted in December.

Outreach was conducted in the following city: Redondo Beach

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 met with deputies from Supervisor Mark Ridley-Thomas' office to discuss program; staff also met with the President of the Southwest Community Association in the West Athens/Westmont area.

Task 6. Translation Services

Contract goal: as needed

Status of goal: translation services were not provided in the month of December.

Torrance Water

Task 1: Support for educational classes and community events

Contract goal: as requested

Status of goal: Torrance has scheduled 3 California Friendly Landscape Training classes in 2018: 1/27/18, 3/10/18, and 4/7/18. Torrance will be hosting the City Yard Open House on 6/2/18. A rain barrel event was held in November.

Task 2: Cash for Kitchens

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

Status of goal: SBCCOG staff is waiting for direction from Torrance staff and the arrival of the water saving devices.

MWD Caucus Meeting

The December meeting provided a presentation on Metropolitan's Conservation and Peer Review Recommendations by Bill McDonnell, Water Efficiency Manager, MWD. Mr. McDonnell provided an update on the 2018 Water Use Efficiency Program. Future programs may include disadvantaged communities, turf removal funding with fixed budget for each year and landscape design assistance in addition to others.

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

SBCCOG staff disseminated WRD's education and information materials in support of WRD's mission, including the 2040 Master Plan and the WRD/Goldsworthy Desalter project through the SBCCOG various communication channels and community events. SBCCOG placed a WRD article focusing on an update of the WRD Eco-Gardener program in the December SBESC e-newsletter and placed Water Independence Now (WIN) program brochures at the SBCCOG's information kiosk. Currently, SBCCOG staff is working with WRD for possible contract renewal at an annual amount \$50,000.

Sanitation Districts of LA County (LACSD)

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

Status of goals: 4 presentations have been completed; 1 has been scheduled in January 2018

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: 10 completed **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: 7 water assessments were completed **Goal met**

LADWP has approved the scope of work for 2018 (Jan. - Dec.) for \$40,000. Final agreement is expected to be received in January

Transportation

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

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

Status of goals: 193 outreach events **Goal met**; 8 information/formation meetings

In December, collateral materials were distributed at 4 SBCCOG outreach events. SBCCOG staff began year-end review and marketing/outreach planning for 2018. Follow-up analytics and outreach was communicated to CSUDH and with the City of Torrance.

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: 240 community events and 12 presentations completed. In addition, 22 SBESC e-newsletter articles have been facilitated by SBCCOG staff. **Goal met**

SBCCOG continues to send multiple invitations and notices to Metro staff about future South Bay MEL events that would be of value. SBCCOG staff began year-end review and marketing/outreach planning for 2018.

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

Statistics are from May 2016 – December 2017: 775 Registered Users; 13 Sub-Networks; 724 Trips Logged; 3,051 People have “Used” Travel Pal – at least once; 4,447 Total “Sessions” – actively engaging in the Travel Pal; 68% of all sessions are estimated as being “New Visitors”. The SBCCOG staff continued discussions with the software vendor (Ride Amigos) about “next steps” and opportunities for continuing the project and/or other applications. SBCCOG staff and consultant continued the process of drafting the final report to Metro which will include recommendations.

II. MARKETING, OUTREACH, & IMPLEMENTATION

Workshops, Trainings, & Exchanges

The following chart provides an overview of all registration events held in December 2017:

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
12/5/17	Turf Removal Class – El Segundo	34/57	Email: 30; Flyer: 4; Friend or Family: 4; Social Media: 12; Website: 7	GF

Outreach Events

- 3 community events in December
- 1 presentations/workshops in December
- 1 city staff workshop in December

Calendar year-to-date through December 2017:

- 65 community events
- 4 business events
- 4 employee events
- 16 presentations/workshops
- 1 city-staff workshop

Holiday Light Exchange

The last Holiday Light Exchanges took place Sunday, December 10, 2017 in the West Athens/Westmont and Manchester/Vermont area of Los Angeles County unincorporated communities. The event was made possible by the sponsorship of Supervisor Mark Ridley-Thomas.

In total at the conclusion of all the events, SBCCOG volunteers clipped the plugs off the old energy-guzzling holiday lights and over 600 light strands were permanently retired from the grid and recycled as e-waste at Walser’s in Torrance.

The SBCCOG thanked the 2017 Sponsors: Supervisor Mark Ridley-Thomas (\$3,200), Councilman Joe Buscaino (\$1,100), 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). A special thank you for the in-kind sponsorship of Walser’s.

Media

Social Media

- SBCCOG -- Totals for Social Media (SBCCOG) (*top tweet – right*)
 - Twitter: 106 followers total, 637 impressions* month of December
 - Facebook: 50 likes total, 25 impressions month of December

Top Tweet earned 73 impressions
[@SouthBayCCOG #ClimateAction #sustainableneighborhoods](#)
pic.twitter.com/hFJqpoCky



- SBESC -- Totals for Social Media (*top tweet – right*)
 - Twitter: 509 followers total, 2,700 impressions* month of December
 - Facebook: 696 likes total, 1,193 impressions month of December
 - LinkedIn: 113 followers total, 72 impressions month of December

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

Top Tweet earned 407 impressions

Refrigerators more than ten years old are about 40% less efficient than newer, @ENERGYSTAR qualified models...
ow.ly/qKMF30h9MFz #greentip
 #EcoMonday

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Press Releases/Press Interviews/Articles/Cable TV

“*South Bay Cities Climate Action Planning Forum*,” December 7, 2017

submitted to media

“*SBCCOG 19th Annual General Assembly The Evolution of Retail & Its Challenges for Cities*,” December 18, 2017 submitted to city publications

Earned Print Media/Online Media/Cable TV

“*South Bay Cities Climate Action Planning Forum*,” Torrance CitiCABLE documented event YouTube

links Part 1 [https://www.youtube.com/watch?v=No5Ftg7B1kw&list=PL8Y6bT-](https://www.youtube.com/watch?v=No5Ftg7B1kw&list=PL8Y6bT-FttE3SXgEKG7zudFeJOX5plzzJ)

FttE3SXgEKG7zudFeJOX5plzzJ Part 2

<https://www.youtube.com/watch?v=X5O2EllqVgw&feature=youtu.be>

Volunteer Program

Status of Program: 66 hours for December 2017; 2017 thus far = 943.25 hours

Grand total as of 12/31/17: 17,675.43 (starting April 2008)