

South Bay Cities Council of Governments

August 14, 2017

TO: SBCCOG Steering Committee

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

SUBJECT: Environmental Activities Report – July 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

The following reports on the five greenhouse reduction measures are 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 June include:

- Land Use/Transportation: City emissions have been calculated for El Segundo, Hawthorne, Hermosa Beach, Lawndale, Lomita, Rancho Palos Verdes, Redondo Beach, Rolling Hills Estates and Torrance. SBCCOG staff and consultants continue to collect city input data for the remaining cities. SBCCOG staff and consultants have been drafting a template for the city chapters using El Segundo as the example. The methodology for the Sub-regional emissions is being refined and the emissions are being calculated.
- Energy Generation & Storage and Waste & Greening: SBCCOG staff has received staff-sign off from all cities.
- CAP Co-benefits: A co-benefit spreadsheet has been developed for SBCCOG staff 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

PIPELINE TOTALS	Estimated kWh savings	Estimated Therm Savings	Estimated Incentive (\$)
	4,900,898	15,535	\$1,206,208

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, but which include co-benefits of gas savings where applicable. Each city’s Energy Leader Partnership (ELP) program status is also included.

City	Current ELP Tier Level	Energy Efficiency Measures (EEMs)	Estimated Completion Date	Estimated kWh savings	Estimated Therm Savings (co-benefit)	Estimated Incentive (\$)
Carson	Gold	Exterior Lighting	Q1 2018	96,907	n/a	\$17,907
		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	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	316,925	n/a	\$44,798
		Pier Exterior Lighting	Q1 2018	22,677	n/a	\$3,175
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	62,825	n/a	\$16,335
Rancho Palos Verdes	Gold	LED Streetlights	Q3 2017	38,269	n/a	\$6,506
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

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 Renewable South Bay Working Group meeting is scheduled in August.
- 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 is working with Renovate America to renew a contract for another six-month period.

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.

The SBCCOG continues to refer participants to the SCE Direct Install program. Overall, 29 businesses have been referred, with 11 businesses participating in the Direct Install program as a direct result of participating in the GBC. Three of the 29 referred had participated in the DI program in 2014 prior to joining the GBC. Of the 11 businesses, 1 business had 6 measures installed, 1 business had 5 measures installed, 1 business had 4 measures installed, 3 businesses had 3 measures installed, 4 businesses had 2 measures installed, and 1 business had 1 measure installed. An additional business met with the SCE vendor/contractor, FCI. Savings realized from participating in the SCE Direct Install program to date: 7.22 KW savings; 31,211 kWh savings; \$4,681.60 annual savings.

Regarding auditing activities, SBCCOG staff has completed a total of 11 ASHRAE Level 1 audits for businesses. In July, this work included an audit with an extensive assessment of gas usage that identified potential gas savings opportunities for APTIM (formerly CB&I), a SoCalGas Company vendor/contractor. In addition, SBCCOG staff met with an additional five of the businesses previously audited to present the audit reports.

Other activities included: a “business walk” with Hawthorne Council Member Olivia Valentine; working on a report for the program thus far; and researching best practices and features of green business programs across

the nation to determine a program design that best fits the needs of our diverse and dynamic South Bay communities moving 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 goals: 5 outreach events; status: 1 event completed (7/29/17); 4 events have been scheduled through September 23, 2017 (2 in August; 2 in September).

The SBCCOG will be promoting the statewide financing program known as the Residential Energy Efficiency Loan (REEL) program through outreach events and social media.

HERO – PACE: SBCCOG promoted PACE financing for homeowners throughout the month of June. The spreadsheet below covers the activity from each South Bay members’ jurisdiction since the launch date through May 31, 2017. Proceeds from HERO for 2017 Q1 = \$1,763.82. Proceeds for 2017 Q2 are expected in August. Total since program start - \$23,407.74. Payments to SBCCOG are based on HERO programs that are completed in the South Bay. The SBCCOG team also met with the South Bay Realtors Association and Renovate America to discuss industry issues and recent proposed legislation. They have agreed to keep the line of communication open between them.



California HERO Activity Report
 South Bay Cities Council of Governments
 Launch Date through June 30, 2017

Rectangular Strip

Program Activity through June 30, 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	1,649	1,105	\$75,716,355	621	\$16,063,774	136	1,051	59	156	355	3,769,810	926
El Segundo	5/23/14	4,209	48	40	\$6,748,578	23	\$609,490	5	29	4	8	18	158,434	38
Gardena	5/23/14	12,360	583	395	\$26,608,326	211	\$5,234,431	44	337	20	32	63	1,003,246	244
Hawthorne	5/23/14	11,621	453	326	\$25,435,921	183	\$4,117,096	35	279	8	32	63	890,228	218
Hermosa Beach	5/23/14	6,473	51	39	\$8,259,091	18	\$368,443	3	20	0	8	18	89,389	23
Inglewood	5/23/14	19,038	1,163	789	\$53,762,401	426	\$10,967,071	93	699	40	46	105	1,994,024	485
Lawndale	5/23/14	5,262	119	81	\$5,965,667	41	\$914,608	8	68	5	8	19	211,368	53
Lomita	5/23/14	4,606	92	78	\$7,409,764	37	\$852,080	7	56	6	10	32	293,434	71
Manhattan Beach	5/28/15	12,403	84	75	\$17,007,339	35	\$1,026,825	9	51	1	20	70	363,650	93
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	197	175	\$28,559,473	80	\$2,176,402	18	120	5	16	59	585,049	142
Redondo Beach	3/24/15	20,292	175	144	\$19,107,602	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	652	540	\$57,858,359	302	\$6,869,329	58	418	32	92	223	1,738,087	433
Total		179,200	5,343	3,856	\$ 346,834,080	2,082	\$ 51,923,535	441	3,281	188	454	1,090	11,738,585	2,885

* 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, 1H/2013.
 ***1 job for every \$117,000 invested.

YGRENE – PACE

Just as we have an agreement with HERO for the SBCCOG to receive funding for a small percentage of their activities in the South Bay in return for promoting PACE, the SBCCOG has a similar arrangement with Ygrene. 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 June 30, 2017.



Project Type	Residential		Commercial		Jobs Created	Project Type			Solar MW Installed	Lifetime kWh Saved	Lifetime CO2 Reduced (Mtons)
	# Completed Contracts	Completed Contract Amount	# Completed Contracts	Completed Contract Amount		Energy	Water	Renewable			
Carson	12	\$357,812.00	0	\$ -	5	8	3	1	0.02	2,428,025	429
El Segundo	1	\$ 27,398.00	0	\$ -	0	1	0	0	0	185,896	33
Gardena	1	\$ 22,917.00	0	\$ -	0	1	0	0	0	155,509	28
Hawthorne	2	\$ 51,876.00	1	\$ 22,000.00	1	2	0	1	0.003	501,304	89
Lomita	0	\$ -	0	\$ -	0	0	0	0	0	0	0
Redondo Beach	0	\$ -	0	\$ -	0	0	0	0	0	0	0
Rolling Hills Estates	0	\$ -	0	\$ -	0	0	0	0	0	0	0
Torrance	2	\$ 41,000.00	0	\$ -	1	0	0	2	0.003	278,216	49
Totals	18	\$501,000.00	1	\$ 22,000.00	7	12	3	4	0.03	3,348,950	628

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 increase in the number of educational classes – GOALS COMPLETED

California Friendly Landscape Trainings (CFLT), Hands-on-Workshops (HOW), and Turf Removal (TR) classes

- Contract goals: minimum of 12 and a maximum of 24
 - Status of goals: 14 completed; 1 additional class has been scheduled in August

Greywater Workshops

- Contract goals: 5 workshops (1 in each Director’s division)
 - Status of goals: 5 completed

Rain Barrel Giveaway

- Contract goals: 5
 - Status of goals: 7 completed

Task 3. Water Reliability Program

- Contract goals: 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: 22 collected in July; total collected for contract year: 285

Task 4. Cash for Kitchens

- Contract goals: target up to 75 institutional facilities with food service and/or kitchen operations on-site, with an emphasis on school districts. In July, marketing materials were distributed to 10 South Bay Cities. Information was disseminated to Institutional contacts through the Palos Verdes Chamber Board Meeting, Energy Management Working Group, Senior Services Working Group, and the SBCCOG Board of Directors Meeting.
- SBCCOG staff met with Hawthorne Council Member Olivia Valentine and Lawndale Council Member Jim Osborne, to discuss the CFK program as well as conducting two business walks.
- SBCCOG staff joined West Basin MWD for a brief tour of the Food Service Technology Center in Downey on July 10.

Task 5. Translation Services

Contract goals: as needed; provided translation services of the Water Harvest flyer, Cash for Kitchens flyer, and Car Wash postcard

SBCCOG staff translated West Basin carwash materials into Spanish.

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.

- Status of goal: Preparing list and 5 car washes re-enrolled

SBCCOG staff assists 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.

Torrance Water

Torrance will be offering a Greywater Workshop on Saturday, August 26th at the SBCCOG office.

MWD Caucus Meeting

The July meeting included a presentation on the updates of the California Water Fix and its planning process. Three policy papers are scheduled to be distributed this summer leading up to Board Action on September 12, 2017 regarding: physical infrastructure, operations, and finance allocations. The project will take an estimated 16 years, starting from when it is approved.

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

SBCCOG staff and LACSD staff met in early July at the Joint Water Pollution Control Plant (JWPCP) in Carson to discuss the Clearwater Program Tunnel Project - a comprehensive evaluation of LACSD's sewer system that serves over 5 million people in the Los Angeles basin. The meeting focused on outreach efforts to the communities that may be impacted by the tunnel operation. SBCCOG staff arranged for LACSD staff to present on the Clearwater Program Tunnel Project the July IWG and Board of Directors meetings.

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 goals: 4 completed; SBCCOG staff is working on identifying additional events in CD 15
- 1 training for SBCCOG Volunteers on LADWP programs
 - Status of goals: **Goal met** (6/1/17)
- 4-6 commercial kitchens to be identified for water assessments and conservation training
 - Status of goals: SBCCOG staff is working on identifying restaurants in Wilmington and Harbor City.

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 July, collateral material was distributed at 7 SBCCOG outreach events. SBCCOG staff continued work with the City of Torrance to assist with vanpool formation – 1 employee was subsequently placed in a van originating from Corona. SBCCOG staff continued discussions with Green Commuter to leverage outreach and marketing in support of their Zero Emission Vehicle (ZEV) vanpool program; continued efforts were made to follow-up and schedule vanpool formation meetings with CSUDH and Harbor UCLA Medical Center.

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: **Goal met** 199 community events and 12 presentations of the MEL Promotional Marketing have been completed. In addition, 18 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 San Pedro Lobster Festival (July 14th).

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

Statistics are from May 2016 – July 2017: 767 Registered Users; 12 Sub-Networks; 678 Trips Logged; 1,736 People have “Used” Travel Pal – at least once; 2,749 total “Sessions” – actively engaging in the Travel Pal; 63% of all sessions are estimated as being “New Visitors”.

Travel Pal was used successfully to facilitate transportation messaging for off-site parking and transportation to the San Pedro Lobster Festival. Analytics indicated a spike in activity both in terms of new users to the platform and sessions they conducted prior and through the event period. From July 9th through July 17th, 222 users experienced Travel Pal; approximately 84% or 186 were new users to the site. 279 sessions were conducted with Travel Pal visitors visiting the “events” page most frequently.

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

- The producers of the San Pedro Lobster Festival to incorporate Travel Pal into the event’s transportation messaging and parking mitigation efforts.
- Manhattan Beach Parks and Recreation to incorporate Travel Pal into the Manhattan Beach Volley Ball Tournament’s transportation and travel messaging.
- The Redondo Beach Chamber of Commerce Travel Pal ad to new home owners was distributed and will run each month through the end of the calendar year. The database for the circular will be made available to all other SBCCOG programs.
- On July 20th, Travel Pal was presented at South Bay Association of Realtors, “Breakfast with the Mayor” event in Hermosa Beach.
- Promotion of Travel Pal with the SB Association of Realtors’ flyers and media channels (to new home owners as well as realtor members).
- Began work on the San Pedro “Crafted and Ciclavia” event.
- Began discussions to present and test Travel Pal with the PVP libraries.
- Engage 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 July 2017:

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
6/2/17	Turf Removal Class – Manhattan Beach	24/35	Email: 21; Local Publication: 4; Social Media: 1; Website: 5; Other: 4	JZL

Outreach Events

- 6 community events in July; 3 scheduled for August
- 1 presentation/workshop in July; 1 Presentation scheduled for August

Calendar year-to-date through July 2017:

- 37 community events
- 3 business events
- 2 employee events
- 8 presentations/workshops

Media

Social Media

- **SBESC** -- Totals for Social Media
 - Twitter: 494 followers total, 792 impressions* month of July
 - Facebook: 662 likes total, 820 impressions month of July
 - LinkedIn: 109 followers total, 157 impressions month of July

Top Tweet earned 234 impressions

Happy **#LinemanAppreciationDay** Thank you all for your hard work. Hats off to you brave men and women for keeping our electrical wires intact.
twitter.com/SCE/status/884...

♥ 2

- **SBCCOG** -- Totals for Social Media (SBCCOG)
 - Twitter: 80 followers total, 137 impressions* month of July
 - Facebook: 34 likes total, 58 impressions month of July

Top Tweet earned 132 impressions

Learn about your city's **#demographics** on our City Profiles page via **@SCAGnews**
ow.ly/gQ3230dSKQb **#SouthBay**

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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,”

Earned Social Media

“West Basin California Friendly Landscape Class,” Nextdoor, July 20, 2017

“West Basin Tur Removal Class,” Nextdoor, July 25, 2017

Earned Print Media

“South Bay Environmental Services Center,” Rancho Palos Verdes Independence Day Program, July 4, 2017

“Help at events, in office for environmental group,” Daily Breeze, July 10, 2017

“Presentation to the Mayor and City Council for Energy Leader Gold and Platinum Award Certificates,”

Palos Verdes Estates City Council Agenda, July 11, 2017

“SBCCOG Launches Online Resource for Environmentally Friendly Landscaping, Gardening and Pest Control,” SBCCOG South Bay Watch, Summer 2017

“Sanitation Districts Address Aging Critical Infrastructure,” SBCCOG South Bay Watch, Summer 2017

“South Bay Travel Pal,” Beach Business Newsletter Redondo Beach Chamber, July 22, 2017

“Travel Pal Planner,” San Pedro Lobster Festival 2017 Website, July 2017

Cable TV

“Presentation to the Mayor and City Council for Energy Leader Gold and Platinum Award Certificates,”

Palos Verdes Estates video live streaming

Holiday Light Exchange Dates confirmed

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. Community Partner sponsorship requests were begun in late July.

Volunteer Program

Status of Program: 45 hours for July 2017; 2017 thus far = 546.75 hours

Grand total as of 7/31/17 = 17,278.93 (starting April 2008)