

South Bay Cities Council of Governments

May 25, 2017

TO: SBCCOG Board of Directors

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

SUBJECT: Environmental Activities Report – April 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 that 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. It is anticipated that the draft reports will be available for cities to review early fall 2017. In addition, this work includes developing a sub-regional CAP. Activities completed for the month of April include:

- Land use and transportation (LUT) (under the direction of Wally Siembab & Kim Fuentes): SBCCOG staff and consultant have met with all cities for the first round of Climate Action Planning (CAP). The SBCCOG staff and consultant are in the process of gathering the data from the cities on the strategies to quantify Green House Gas (GHG) emissions. The SBCCOG staff is working with the NAIC analysis for the Neighborhood Oriented Development land use strategy and development of the chapters for the final report. Wally Siembab also presented the CAP work in a special workshop to city Council members, city commissioners, and city staff.
- Energy Generation and Storage: SBCCOG staff has received staff-sign off from all cities.
- Waste and Greening: SBCCOG staff has received staff sign off from all cities. SBCCOG staff is working on drafting the chapters with the approved strategies.

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: 152,615 kWh; 52 kW

	Estimated kWh savings	Estimated Therm Savings	Estimated Incentive (\$)
PIPELINE TOTALS	5,249,420	15,535	\$1,319,800

The SBCCOG staff along with the engineer conducted conference calls with the cities of Carson, Inglewood, and Torrance to follow up from individual city meetings in March. At the meetings, updates on current energy projects and goal setting were discussed. Elected officials can continue to help the SBCCOG to meet Edison goals by discussing projects with their staff, supporting project delivery, and letting the SBCCOG staff know of upcoming projects.

The following is a list of “pipeline” projects specific to electricity, but including 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 kWh savings	Estimated Therm Savings (co-benefit)	Estimated Incentive (\$)
Carson	Gold	Exterior Lighting	96,907	n/a	\$17,907
		Lighting/Pool Boiler/Water Heater/VFD	28,578	7,040	\$13,185
		Pool Pump VFD	51,758	n/a	\$11,646
		Exterior & Interior Lighting	688,002	n/a	\$108,758
		LED Streetlights	669,602	n/a	\$156,320
Gardena	Gold	Exterior & Interior Lighting	78,125	n/a	\$13,281
		Exterior & Interior Lighting	284,534	n/a	\$24,626
		LED Lighting	52,429	n/a	\$8,913
Hawthorne	Platinum	Police Department LED Lighting	50,320	n/a	\$11,284
Hermosa Beach	Gold	Exterior & Interior Lighting	316,925	n/a	\$44,798
		Pier Exterior Lighting	22,677	n/a	\$3,175
Inglewood	Gold	LED Steetlights	852,689	n/a	\$450,079
		Elevator Motor-Generator Set	121,900	n/a	\$26,208
		Chiller VFD/HVAC Controls	291,870	11,035	\$115,022
Manhattan Beach	Platinum	Exterior LED Lighting	62,825	n/a	\$16,335
Rancho Palos Verdes	Gold	LED Streetlights	38,269	n/a	\$6,506
Redondo Beach	Gold	LED Lighting	138,618	n/a	\$23,565
Torrance	Gold	Toyota Meeting Hall	16,741	n/a	\$4,604
		LED Lighting	837,954	n/a	\$164,370
		Exterior & Interior LED Lighting	125,300	n/a	\$21,301
		Interior LED Lighting	26,718	n/a	\$10,482
		VFD & Pump Motor	172,003	n/a	\$29,240
		LED Streetlights	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	Planning
City of Inglewood	Replace 4x boilers	TBD*	TBD*	Planning
City of Carson	Replace 3x boilers	TBD*	TBD*	Planning
Torrance USD	New Pool, Pool heater maybe pool cover	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*	Planning
Wisburn USD	New high school with two new meters	TBD*	TBD*	Planning
Wisburn USD	Cogen	TBD*	TBD*	Planning
	Total Therms Identified	9,505		

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

HERO

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

- Launch of Renewable South Bay
 - On April 15th, Renewable South Bay was launched as part of the City of Inglewood’s Earth Day and Jazz Fest Celebration
 - Inglewood Council Member and former SBCCOG Chair Ralph Franklin and Lawndale Council Member and current SBCCOG Chair Jim Osborne kicked off the launch
 - Front-page press coverage in Inglewood News, Lawndale Tribune, and Hawthorne Press Tribune
 - A one-page co-branded fact sheet was developed
 - Landing page for SBCCOG website was developed and launched:
<http://southbaycities.org/programs/renewable-south-bay>
- Development in process - toolkit of resource on renewables, expected deliverable date by end of May 2017 which will include: Overview of program, FAQs, and Sustainability guide
- SBCCOG staff has collected 2016 solar permit data from 9 cities to date (Gardena, Hawthorne, Hermosa Beach, Lomita, Manhattan Beach, Rancho Palos Verdes, Redondo Beach, Rolling Hills, and Rolling Hills Estates). SBCCOG staff will continue to reach out to cities to request solar permitting data.

HERO PACE: SBCCOG promoted PACE financing for homeowners throughout the month of April.

The spreadsheet below covers the activity from each South Bay members’ jurisdiction since the launch date through March 31, 2017. Proceeds from HERO to date are: \$2,290.79 for Oct-Dec 2016. Total since program start - \$21,643.92. Proceeds are received quarterly. Payments to SBCCOG are based on HERO programs that are completed in the South Bay.

Program Activity through March 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	1,550	1,034	\$70,225,152	578	\$14,924,334	127	987	53	146	326	3,576,857	876
El Segundo	5/23/14	4,209	45	37	\$6,218,587	22	\$590,518	5	27	4	8	18	141,518	35
Gardena	5/23/14	12,360	552	375	\$24,873,208	196	\$4,792,288	41	310	17	32	63	935,326	228
Hawthorne	5/23/14	11,621	431	312	\$24,165,676	169	\$3,881,655	33	256	7	30	60	813,105	200
Hermosa Beach	5/23/14	6,473	49	38	\$8,104,896	17	\$347,251	3	20	0	6	15	84,694	22
Inglewood	5/23/14	19,038	1,111	756	\$51,000,689	406	\$10,546,582	90	669	40	46	105	1,883,701	459
Lawndale	5/23/14	5,262	112	76	\$5,449,685	38	\$865,070	7	64	3	8	19	194,574	49
Lomita	5/23/14	4,606	86	73	\$6,885,922	37	\$852,080	7	56	6	10	32	293,434	71
Manhattan Beach	5/28/15	12,403	78	69	\$15,801,669	31	\$941,707	8	40	1	18	67	333,942	85
Palos Verdes Estates	5/28/15	5,115	31	28	\$6,181,614	10	\$527,780	4	16	3	4	11	78,276	20
Rancho Palos Verdes	5/23/14	14,759	188	166	\$27,142,320	73	\$1,900,092	16	107	5	16	59	546,980	133
Redondo Beach	3/24/15	20,292	164	134	\$17,757,470	71	\$1,431,665	12	104	3	16	33	403,881	99
Rolling Hills	5/23/14	698	5	5	\$1,381,678	2	\$119,637	1	2	0	0	0	995	0
Rolling Hills Estates	5/23/14	3,099	37	33	\$6,201,004	18	\$580,512	5	24	2	6	20	152,922	38
Torrance	5/23/14	37,899	624	520	\$55,496,964	289	\$6,534,920	55	393	29	90	219	1,683,351	419
Total		179,200	5,063	3,656	\$ 326,886,534	1,957	\$ 48,836,092	415	3,075	173	436	1,047	11,123,556	2,734

* 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 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%). City breakdown by project listed below:

Activity through March 31, 2017

Ygrene Energy Fund
SBCCOG
Inception to 3.31.17

Project Type	Residential						Commercial						Project Type							
	District	Launch Date	Eligible Housing Units	Applications	Approvals	Approved Amount	# Completed Contracts	Completed Contract Amount	Applications	Approvals	Approved Amount	# Completed Contracts	Completed Contract Amount	Jobs Created	Energy	Water	Renewable Energy	Solar MW Installed	Lifetime kWh Saved	Lifetime CO2 Reduced (Mton)
Carson	10/6/2015	32,266	336	224	\$22,937,508	141	\$4,025,874	1	-	-	-	-	-	60	106	16	19	0.24	27,318,595	4,831
El Segundo	12/15/2015	5,660	10	9	\$1,606,427	6	\$109,142	-	-	-	-	-	-	2	3	1	2	0.01	845,611	131
Gardena	1/12/2016	20,412	94	66	\$6,273,829	45	\$1,098,614	1	1	\$44,445	1	\$38,250	17	35	7	4	0.07	8,774,246	1,364	
Hawthorne	10/13/2015	29,360	119	95	\$9,147,151	52	\$1,207,940	1	0	\$0	0	\$0	18	42	4	6	0.07	5,218,299	1,450	
Lomita	8/26/2015	7,036	11	8	\$878,664	5	\$81,668	2	2	\$676,641	0	\$0	1	3	1	1	0.01	564,179	98	
Redondo	1/19/2016	23,332	15	15	\$2,386,548	12	\$366,653	-	-	-	-	-	-	5	5	2	5	0.02	2,598,017	438
Rolling Hills	10/13/2015	2,740	7	5	\$1,562,205	4	\$157,724	-	-	-	-	-	-	2	2	1	1	0.01	1,070,276	189
Torrance	10/13/2015	49,076	62	45	\$6,890,753	26	\$894,246	6	2	\$2,323,874	2	\$204,000	16	17	7	4	0.07	7,552,428	1,318	
Totals		169,882	654	467	\$51,683,085	291	\$7,941,860	11	5	\$3,044,961	3	\$242,250	121	213	39	42	0.5	53,941,651	9819	

Green Building Challenge

The Green Building Challenge focuses on activities for business that reduce energy use, water consumption, and waste while maximizing the use of incentives and rebates. SBCCOG staff has completed 10 ASHRAE Level 1 audits, with 1 pending. Staff continued phone outreach to identify businesses currently engaged in energy efficiency and water conservation projects to provide technical assistance. Three businesses have been identified that are potentially replacing equipment (lighting and HVAC). The monthly e-newsletter was sent out.

Standings by city: Torrance (35), Lawndale (26), Redondo Beach (16), Gardena (15), El Segundo (15), Hawthorne (14), Carson (11), Inglewood (8), Manhattan Beach (8), Palos Verdes Estates (8), 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 177 businesses.

Water Conservation

West Basin Municipal Water District Programs (West Basin) Contract year is Sept. 1, 2016 through Aug. 31, 2017
The West Basin contract was amended in April, with a revised Scope of Work for three (3) tasks:

Task 2. Support for Workshops & Events increase in the number of educational classes.

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

- New contract goals: minimum of 12 and a maximum of 24
 - Status of goals: 8 completed; 4 additional classes have been scheduled May through July

Greywater Workshops

- Contract goals: 5 workshops (1 in each Director's division)
 - Status of goals: 1 completed; 4 scheduled in May and June

Task 3. Water Reliability Program

- New 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, 3 are in the planning stage
- Contract goal: collect 300 support cards
 - Status of goals: 183 collected in April; total collected for contract year: 222

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; SBCCOG staff met with West Basin staff in April to review new deliverables. Audits previously conducted for commercial kitchens (12) and follow up visits (2) will all count toward revised goals. SBCCOG staff will schedule and conduct site surveys to identify opportunities for water-cooled ice machines (to be replaced with air-cooled ice machines); West Basin will hire a vendor to install water saving devices. SBCCOG staff has already reached out to Inglewood Unified School District to schedule a meeting to discuss CFK program.

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

The tasks for the Car Wash program were also revised by West Basin and SBCCOG staff will no longer be enrolling the car washes in West Basin's Car Wash coupon program. SBCCOG staff will assist West Basin in maintaining a list of car wash programs in the South Bay and remind people to NOT wash their cars at home.

Torrance Water

SBCCOG staff prepared a justification for continued funding from Torrance in preparation for the new contract cycle. SBCCOG staff is also proposing additional funding to provide water audits at commercial kitchens in Torrance. Torrance has scheduled 2 California Friendly Landscape Trainings in May and June.

MWD Caucus Meeting

The April meeting included a presentation about the MWD's new media campaign – H2Love. The campaign focuses on long-term water conservation. The media is currently being rolled out, including the graphics being placed on billboards and transit signs.

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 in April; researching groups for future presentations

On April 4th, the SBCCOG offered a workshop on “Moving Toward Zero Waste: Minimizing Your Impact on the Environment”. This workshop, held as part of the South Bay Adult School, was a collaborative effort between SBESC, LACSD, and Grades of Green Youth Corps. It was a very successful workshop, with 16 people in attendance.

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

- 6-10 targeted special events exhibit events; scheduled for Seal Day at the Marine Mammal Care Center in San Pedro in June and the Port of LA Lobster Festival in July
- 1 training for SBCCOG Volunteers on LADWP programs; Volunteer training scheduled for June 1, 2017
- 4-6 commercial kitchens to be identified for water assessments and conservation training
 - SBCCOG staff attended a San Pedro Chamber of Commerce Small Business Roundtable meeting on “Optimizing Your Restaurant Operations” on 4/26/17 and shared information regarding LADWP water assessment program; there was interest from those in attendance; SBCCOG staff will follow up to schedule assessments

Transportation

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

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

- Status of goals: 136 outreach events; 5 information/formation meetings

In April, collateral material was distributed at nineteen SBCCOG outreach events. SBCCOG staff worked with the City of Torrance to schedule 2 formation meetings that will be held in late May or early June. SBCCOG staff met twice with the Enterprise Rental VanPool Marketing/Sales Team to develop a joint outreach program. A Vanpool “Lunch & Learn” meeting was planned for late May at the PCT commercial property group in El Segundo.

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** 175 community events and 12 presentations of the MEL Promotional Marketing have been completed. In addition, 15 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 met with Metro MEL staff to discuss 2017 goals, projects, and special events (including new MEL efforts on the 105 Freeway and the 5th year anniversary of MEL on the 110 corridor). A contract extension was submitted to Metro by the SBCCOG.

Travel Pal – Smart Mobility Tool (Contract period Aug. 1, 2015 – Aug. 31, 2017)

Statistics are from May 2016 - April, 2017: 753 Registered Users; 10 Sub-Networks; 678 Trips Logged; 1049 People have “Used” Travel Pal – at least once; 1839 total “Sessions” – actively engaging in the Travel Pal; 57% of all sessions are estimated as being conducted by “New Visitors”.

SBCCOG staff has formally requested a contract extension from Metro. To date, the request has been officially received and is awaiting approval from Metro. The request asks for additional time through February 2018 with no additional funding.

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

- The Forum to direct patrons to off-site parking and shuttle services.
- The Beach Cities Health District's (BCHD) assisting with trip planning for various monthly activities including:
 - Trip planning and environmental awareness (transportation carbon footprint) for Moai walking groups.
 - Logging work/commute related trips for the BCHD Blue Zone group to understand their organization's "Transportation Carbon Footprint" and they are considering other ways to integrate the platform into their organization's new planning/tracking tool for daily activities/mission.
 - Met with the producers of the San Pedro Lobster Festival to incorporate Travel Pal into the event's transportation messaging and parking mitigation efforts.
 - Registered 56 new members at PCT Commercial Property group.
 - Met with Manhattan Beach Parks and Recreation to incorporate Travel Pal into the Manhattan Beach Volley Ball Tournament's transportation and travel messaging.
 - Began discussion with the Hermosa Beach Chamber of Commerce to again use Travel Pal for the City's Summer Fiesta Days Event.

SBCCOG and consultant also continued outreach and marketing efforts for this past month including:

- Supporting transportation messaging efforts for:
 - The Norris Theater's summer/fall season
 - The South Bay Summer concert series
 - 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 March 2017:

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
4/4/17	Moving Toward Zero Waste Workshop	16/22	Email: 17 Friend or Family: 1 Local Publication: 2 Other: 1 Website: 1	GF
4/5/17	CFLT – Hawthorne	26/51	Email: 33 Flyer: 5 Friend or Family: 3 Local Publication: 5 Website: 4 Other: 1	MS
4/12/17	Rainwater / Greywater Workshop – Carson	17/50	Email: 38 Flyer: 3 Website: 6 Other: 3	MS
4/18/17	Making Your Home Healthier...Workshop	7/9	Email: 7 Flyer: 1 Website: 1	GF

Outreach Events

- 11 community events in April; 5 scheduled for May
- 1 business event in April
- 2 employee events in April
- 2 workshops in April; 1 presentations/workshops scheduled for May

Calendar year-to-date through April 2017:

- 17 community events
- 2 business event
- 2 employee events
- 5 presentations/workshops

Media

Social Media

- Totals for Social Media (SBESC)
 - Twitter: 484 followers, 4,085 impressions*
 - Facebook: 658 likes, 1,967 impressions
 - LinkedIn: 107 followers, 815 impressions

Top Tweet earned 1,625 impressions

Happy #EarthMonth! Find out where we'll be in the #SouthBay in April promoting @WestBasin @SCE @socalgas programs: ow.ly/ynja30aB3LL

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- Totals for Social Media (SBCCOG)
 - Twitter: 64 followers, 866 impressions*
 - Facebook: 26 likes, 176 impressions

Top Tweet earned 347 impressions

Congrats to City of #RollingHills 4 reaching the Silver tier level in @SCE's Energy Leader Partnership program #energysavings pic.twitter.com/Q3Q1q6YzrK



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

Press Releases/Press Interviews/Articles

“SBCCOG Announces Solar Program Renewable South Bay”

Earned Print Media

“Presentation of Silver Energy Leader Certificate from Southern California Edison and South Bay Cities Council of Governments,” City of Rolling Hills Agenda, April 10, 2017

“Presentation of Gold Energy Leader Certificate from Southern California Edison and South Bay Cities Council of Governments,” Rolling Hills Estates Agenda, April 11, 2017

“Free Workshop Making Your Home Healthier and More Comfortable: The Energy and Water Efficiency Way,” Daily Breeze, April 18, 2017

“South Bay Cities Spark Interest in Going Solar,” Inglewood News, April 20, 2017

“Lawndale, South Bay Cities Spark Interest in Going Solar,” Lawndale Tribune, April 20, 2017

“Energy Leader Program, Direct Install, and Green Tips,” Rolling Hills Estates Newsletter, Spring 2017

Cable TV

“SBCCOG Staff Energy Leader Gold Tier Level presentation to Rolling Hills Estates City Council,” Cox Cable April 11, 2017

Volunteer Program

Status of Program:

64.25 hours for April 2017

2017 thus far = 316.5 hours

Grand total as of 4/30/17 = 17,048.68 (starting April 2008)