

South Bay Cities Council of Governments

August 27, 2015

TO: SBCCOG Board of Directors

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

SUBJECT: Sub-regional Energy Efficiency Climate Action Plan (EECAP) Reduction Measures

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. ***Strategy 2:*** Promote sustainable communities and serve as a resource to member cities as we move forward to 2020 in response to AB 32.

BACKGROUND

The South Bay Cities Council of Governments (SBCCOG) and South Bay cities have been collaborating on climate action planning since 2008. This work supports local government efforts to help the State of California meet goals established in Assembly Bill 32. With funding provided by South California Edison and Southern California Gas Company, the SBCCOG hired Atkins consulting firm to update greenhouse gas (GHG) inventories and draft city specific and subregional energy efficiency Climate Action Plan (CAP) chapters. In addition, the SBCCOG also received funding from the Strategic Growth Council to develop land use, transportation, greening, waste, and energy generation/storage CAP chapters. These two efforts are on different schedules with the energy efficiency work being completed before the end of this year and the other chapters completed by this time next year. Funding for energy efficiency chapters ends in December 2015.

SBCCOG and Atkins have been meeting with cities individually to identify the energy efficiency measures they are currently doing; assessing what additional measures they would like to do; and which measures they would like SBCCOG's assistance with. Atkins is using this information to estimate the potential GHG reductions each city could achieve by 2020 and 2035. Cities will be taking these measures through their city approval process over the next few months. Once approved they will be incorporated into the energy efficiency CAP chapter.

It is anticipated, that most of the cities could reach State goals by 2035 by implementing the energy efficiency measures to the level they are committing to. In addition, the cities are looking to the SBCCOG to assist with implementation of some measures. Most of these measures are part of the SBCCOG's current regular work program and include items such as providing information to the public and municipalities on energy efficiency as a resource center and supporting outreach events, workshops, and web site postings. Measures also include providing

tools, resources, and technical expertise such as the enterprise energy management information system, Green Building Challenge, and services of an energy engineer. These programs are all currently funded through partnership programs. A list of all the SBCCOG measures is on Attachment A.

During the city meetings, ideas for new SBCCOG programs were also discussed. Cities expressed an interest in participating if the SBCCOG could identify funding and administer programs such as residential home audits or “check-up”, promoting near net-zero energy home awards, and a municipal facilities water leak detection program. These new program ideas are highlighted on Attachment A.

As a result of the city meetings, SBCCOG staff is recommending that the SBCCOG Board support the city efforts by continuing to offer existing programs funded through partner programs and assessing the feasibility and funding possibilities of the proposed new programs.

RECOMMENDATION

Approve the SBCCOG reduction measures as part of the work program for climate action planning and direct staff to assess the feasibility of new programs and identify funding.

South Bay Cities Council of Governments
Proposed list of Subregional Energy Efficiency Measures
August 27, 2015

This chart summarizes the proposed Energy Efficiency Climate Action Plan (EECAP) reduction measures selected by the South Bay Cities that would require assistance from the South Bay Cities Council of Governments (SBCCOG). Measures not highlighted are part of the SBCCOG current work program and are funded through partnership programs. Highlighted sections indicate proposed new programs if feasible and funding can be identified. Details for the reduction measures, SBCCOG action required to implement the measure(s), and Cities interested in the measure(s) are provided in two tables below. Table 1 provides on the community-wide reduction measures requiring SBCCOG action. Table 2 provides on the municipal reduction measures requiring SBCCOG action.

Table 1: Community Reduction Measures Requiring SBCCOG Action

Policy	Reduction Measure	SBCCOG action required for Reduction Measure	Cities Interested
1.1 EE Education and Best Practices (Existing Residential)	Post Links on Website/social media and provide materials at public events	Provide updated links and pamphlets	Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates, Redondo Beach, Rolling Hills Estates, Rancho Palos Verdes, Torrance
	Email list for email blasts of new information or trainings	Collaborate with City for e-newsletter and provide information & content.	Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Manhattan Beach, Palos Verdes Estates, Redondo Beach, Rolling Hills Estates, Rolling Hills, Rancho Palos Verdes, Torrance
	Establish an annual EE Fair	Attend EE fairs (e.g. Earth Day).	Carson, El Segundo, Gardena, Hawthorne, Inglewood, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates, Redondo Beach, Rolling Hills Estates, Rolling Hills, Rancho Palos Verdes, Torrance
	Create a resource center	Act as a resource center.	Carson, El Segundo, Gardena, Hawthorne, Inglewood, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates, Rolling Hills Estates, Rolling Hills, Rancho Palos Verdes, Torrance
1.2 Increase Participation in Existing Programs (Existing Residential)	Partner with SBCCOG and utilities in outreach programs	Partner with Cities and participate in outreach programs.	All Cities
	Direct staff outreach	Provide support. Develop a program list with resources.	Carson, El Segundo, Hawthorne, Inglewood, Lomita, Manhattan Beach, Palos Verdes Estates, Rolling Hills, Rancho Palos Verdes, Torrance
1.3 Existing Residential EE Evaluations	Promote home energy audits	Coordinate and administer energy audits.	Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Manhattan Beach, Palos Verdes Estates, Rolling Hills Estates, Rolling Hills, Rancho Palos Verdes, Torrance
	Establish new "checkup" program	Administer and provide resources.	Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Lomita, Redondo Beach, Rolling Hills Estates, Torrance
1.4 Existing Residential Energy Renovations	Promote existing incentivized programs such as Energy Upgrade California	Promote programs and provide online resources.	Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Lomita, Redondo Beach, Rolling Hills Estates, Rolling Hills
	Develop/promote green building	With the City, promote the program, recognize	Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lomita, Palos

	program	achievements, and provide staff/firm training.	Verdes Estates, Rancho Palos Verdes, Torrance
	Promote financing programs such as PACE programs	Promote financing programs (e.g. HERO).	Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Lomita, Manhattan Beach, Redondo Beach, Rolling Hills Estates, Rolling Hills, Rancho Palos Verdes, Torrance
	Permit processing facilitation: online	Look into funding from SCE.	Carson, El Segundo, Hawthorne, Hermosa Beach, Inglewood, Lomita, Palos Verdes Estates, Redondo Beach, Torrance
2.1 Exceed EE Standards (New Residential)	Create an Energy Award Program for near net-zero energy homes	Provide recognition of achievements.	Carson, El Segundo, Hawthorne, Hermosa Beach, Inglewood, Manhattan Beach, Rolling Hills Estates, Torrance
3.1 EE Education and Best Practices (Existing Commercial)	Post Links on Website/social media and provide materials at public events	Provide updated links and pamphlets.	Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates, Redondo Beach, Rolling Hills Estates, Rancho Palos Verdes, Torrance

3.1 EE Education and Best Practices (Existing Commercial)	Email list for e-mail blasts of new information or trainings	Collaborate with City for e-newsletter and provide information & content.	Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Manhattan Beach, Palos Verdes Estates, Redondo Beach, Rolling Hills Estates, Rolling Hills, Rancho Palos Verdes, Torrance
	Establish an annual EE Fair	Attend EE fairs (e.g. Earth Day).	Carson, El Segundo, Gardena, Hawthorne, Inglewood, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates, Redondo Beach, Rolling Hills Estates, Rolling Hills, Rancho Palos Verdes, Torrance
	Create a resource center	Act as a resource center.	Carson, El Segundo, Gardena, Hawthorne, Inglewood, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates, Rolling Hills Estates, Rolling Hills, Rancho Palos Verdes, Torrance
3.2 Increase Participation in Existing Programs (Existing Commercial)	Partner with SBCCOG and utilities in outreach programs	Partner with Cities and participate in outreach programs.	All Cities
	Direct staff outreach	Provide support. Develop a program list with resources.	Carson, El Segundo, Hawthorne, Inglewood, Lomita, Manhattan Beach, Palos Verdes Estates, Rolling Hills, Rancho Palos Verdes, Torrance
3.3 Existing Commercial Energy Audits	Promote business energy audits	Coordinate and administer energy audits.	Gardena, Hermosa Beach, Inglewood, Lomita, Manhattan Beach, Palos Verdes Estates, Rolling Hills, Torrance
3.4 Existing Commercial Retrofits	Promote existing incentivized programs such as Energy Upgrade California	Promote programs and provide online resources.	Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Lomita, Redondo Beach, Rolling Hills Estates, Rolling Hills
	Develop/promote green building program	With the City, promote the program, recognize achievements, and provide staff/firm training. Implement	Carson, El Segundo, Hawthorne, Hermosa Beach, Inglewood, Manhattan Beach, Lomita, Redondo Beach, Rolling Hills Estates, Rancho Palos Verdes, Torrance

		Green Buildings Challenge.	
	Promote financing programs such as PACE programs	Promote financing programs (e.g. HERO).	Carson, El Segundo, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates, Redondo Beach, Rolling Hills Estates, Rolling Hills, Rancho Palos Verdes, Torrance
6.2 Light-Reflecting Surfaces for EE	Cool Roofs	Provide further information through handouts or presentations.	Carson, El Segundo, Hawthorne, Inglewood, Lomita, Rolling Hills Estates, Torrance
6.2 Light-Reflecting Surfaces for EE	Cool Pavements	Provide further information through handouts or presentations.	Carson, El Segundo, Hawthorne, Inglewood, Lomita, Rolling Hills Estates, Rolling Hills, Torrance
Acronyms: EE = energy efficiency HERO = Home Energy Renovation Opportunity PACE = Property Assessed Clean Energy SBCCOG = South Bay Cities Council of Governments SCE = Southern California Edison			

Table 2: Municipal Reduction Measures Requiring SBCCOG Action

Policy	Reduction Measure	SBCCOG action required for Reduction Measure	Cities Interested/Completed
Education, Outreach, & Planning Efforts for EE	Energy Leader Partnership (ELP)	Collaborate with SCE. Promote & recognize City achievements at City Council meetings. Publish ELP advancements by cities in newsletters and on websites.	All Cities (in progress)
	Energy [Efficiency] Action Plan (EECAP)	Contract/collaborate with Atkins to develop EECAPs.	All Cities (in progress)
Increase EE in Municipal Buildings	Energy Audits	SBCCOG's Environmental Services Center (SBESC) provides energy audits and implementation projects for cities.	Interested: Palos Verdes Estates, Manhattan Beach Completed: Carson, El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Lomita, Rancho Palos Verdes, Redondo Beach, Rolling Hills, Rolling Hills Estates, Torrance
	Direct Install	Promote the SCE-funded program.	Interested: Manhattan Beach Completed: Carson, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Lomita, Palos Verdes Estates, Rancho Palos Verdes, Redondo Beach, Rolling Hills, Rolling Hills Estates, Torrance
	Water Leak Detection Program	SCE program implemented by SBCCOG. Conduct or contract water audits and repair them.	Completed: El Segundo, Inglewood, Lomita, Manhattan Beach
Acronyms: ELP = Energy Leader Partnership EECAP = Energy [Efficiency] Action Plan SBCCOG = South Bay Cities Council of Governments SCE = Southern California Edison SBESC = South Bay Environmental Services Center			