

Bay Watch

Fall 2015

A quarterly bulletin to inform local leaders of subregional progress and alert them to emerging issues

Published by the South Bay Cities Council of Governments

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THE GREEN BUILDING CHALLENGE HAS LAUNCHED!

The South Bay Cities Council of Governments kicked off the first of its kind in Southern California – Green Building Challenge. This new program funded by Southern California Gas Company, Southern California Edison, Golden State Water Company and The Energy Network, supports businesses’ efforts to conserve resources, save money, and gain leadership visibility by implementing sustainable activities such as decreasing water and energy usage, reducing waste, and encouraging alternative transportation.

Launched September 1, 2015 and running until August 31, 2016, the Challenge is a free online competition for commercial building owners and

managers as well as tenants. The program provides over 70 activities that can be completed to gain points ranging from topic areas in energy, water, waste, and transportation to education and employee outreach. The platform also includes access to information on commercial rebates, incentives, and programs in these topic areas. Businesses will be recognized throughout the program for their participation and at an award ceremony at the end of the Challenge.

Celebrating the launch, a press conference was held on September 23, 2015 where SBCCOG Chair and Lomita Mayor Pro-Tem Jim Gazeley and Torrance Mayor Patrick Furey, along with other South Bay elected officials and program funding partners

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Green Building Challenge Press Conference on September 23, 2015

• MARK YOUR CALENDARS! •

17th Annual SBCCOG General Assembly

Friday, February 26, 2016 • 9:00 am to 3:00 pm
Juanita Millender-McDonald Community Center • 801 East Carson Street, Carson CA

Governing in an Era of Disruptive Technologies

The conference will focus on understanding the capabilities, applications, and adoption rates of the most significant of today’s rapidly advancing technologies and the role of cities as users, regulators, and even providers. For the past 16 years, the South Bay Cities Council of Governments has brought together elected officials, city commissioners and staff, community and business leaders, and the public at this FREE event to hear and discuss issues of importance to the South Bay.

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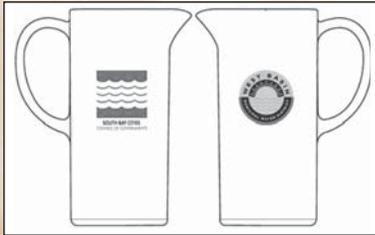
Contact Lisa Rodriguez, lisa@southbaycities.org to sign up as a sponsor and start receiving recognition

Watch for more notices and check our web site at www.southbaycities.org for more info



SOUTH BAY ENVIRONMENTAL SERVICES CENTER UPDATE

TAP WATER FILLS PITCHERS AT ENVIRONMENTAL SERVICES CENTER



Over the past years the SBCCOG has been a recipient of bottles of water from West Basin Municipal Water District which have been regularly made available at meetings held at the SBCCOG office and Environmental Services Center in Torrance. But soon the SBCCOG will be providing good ol' tap water at meetings via water pitchers with both the West Basin and SBCCOG logos prominently featured.

The SBCCOG thanks West Basin Municipal Water District for its past contribution but also encourages tap water as a safe and cost-cutting source for drinking water. More information on tap water can be found on the West Basin Municipal Water District website at:

<http://www.westbasin.org/water-quality-reports/tap-water>.



Find SBESC at www.sbesc.com

MEET OUR VERY TALENTED ENERGY GENERATION AND STORAGE – CLIMATE ACTION PLAN VOLUNTEERS

Students from the University of California, Los Angeles and University of Southern California have been applying what they have learned in school to real-world environmental issues at the South Bay Cities Council of Governments. In this internship experience, four students are helping to develop the Energy Generation and Storage chapter for the climate action plans for each of the 15 South Bay cities under guidance from the SBCCOG energy team.

This internship experience involves identifying strategies for alternative energy and energy storage for local governments to reduce greenhouse gas emissions within their community and municipal operations. Alternative energy technologies being explored include solar, wind, geothermal, combined heat and power, microgrids, and energy storage and how these technologies interact with the environment as well as integrate with cities' existing policies.

Yunsheng Luo



Currently Attending: UCLA, Master in Public Policy (In Progress); B.S. in Biotechnology and Application, M.S. in Environmental Science. "I feel like I am contributing to the achievement of California's climate change goal. I feel very proud."

Huijian Tian



Currently Attending: USC, M.S. in Material Engineering (In Progress); B.S. in Applied Physics. "I am highly motivated to contribute my creativity, data analysis and experimental design skills through this internship, which I believe will give me a broader view of the energy industry."

Sharon Tam



Currently Attending: UCLA, B.S. in Environmental Science, Environmental Engineering concentration (In Progress) Graduated from: Environmental Charter High School, Lawndale, CA. Sharon wants to pursue working in researching environmental issues that affect our ecosystems. She is learning how alternative energy and the environment interrelate.

Fernanda Zuin



Currently Attending: UCLA Extension, Certificate of Sustainability (In Progress); M.B.A., B.S. in Environmental Engineering. "Volunteering in this field has given me a broad view of the clean and renewable technologies available for energy generation and storage, and the impact related to the current technologies for our society."

DRIVE THE FUTURE

The South Bay Cities Council of Governments has completed a two year study of full speed Battery Electric Vehicles (BEVs). The project was called Drive the Future and it was a complementary study to the ground-breaking LUV (Local Use Vehicles) project that pioneered the use of Neighborhood Electric Vehicles (NEVs). Funded by the South Coast Air Quality Management District (AQMD), the two projects form a unique and comprehensive experiment of real world, on-the-road driving with the most environmentally beneficial vehicle technologies available today – a growing and important segment of the transportation marketplace.

The primary purpose of the demonstration was to learn what policies and initiatives, especially at the local level, could accelerate the private market for battery electric vehicles (BEVs) in the South Bay sub-region of Los Angeles County and similar regions elsewhere in California – critical insights and answers to the looming challenges of improving air quality, meeting our carbon reduction targets, developing sustainable communities and protecting residents from oil market instability and escalating gasoline prices.

Over a two year period 49 South Bay households were selected and given the opportunity to use a Battery Electric Vehicle – Nissan Leaf, Honda Fit EV or a BMW Active e – with a range of about 80 miles for their daily use. For a period of two months, all of the household vehicles of the “Study Partners” were monitored with a GPS device; data was gathered that tracked destinations, vehicle miles travelled and, for the BEVs, the charging patterns that each household used for refueling their electric car. Additional information about the

participants’ experiences was documented in interviews, surveys and focus group discussions.

Like the neighborhood electric vehicle study the BEV findings suggested that a relatively short to mid-range battery electric vehicle could satisfy a high percentage of mobility needs. In terms of charging, drivers were able to readily charge their cars at home using a standard 110 household outlet which, more often than not, provided enough range to meet their travel needs. Participant use showed that replacing at least one of the household vehicles with a battery electric car would save the households dollars at the gas pump and emissions from the sky!



This unique study is a rich and complex look into driving behavior in the South Bay. The full study and its important recommendations can be found at:
<http://www.southbaycities.org/programs/electric-vehicles/drive-future-electric-vehicle-demonstration-bev>.

For more information contact: Aaron Baum, Transportation and Mobility Analyst at 310 371-7222 x205

Planning a trip in your new BEV?
Looking for a place to plug in? Check out these great resources: www.plugshare.com
<http://www.afdc.energy.gov/locator/stations/>



Participant: Merin Dahlerbruch,
Rancho Palos Verdes / Electric Vehicle: Nissan Leaf

The Dahlerbruch family “really love the car!...we’re enjoying it and it’s a great (third) car.” Their kids love it too, they’ve nicknamed it “the frog” because the front lights look like “bug eyes”. To date, there have been no real issues, however, there has been (and continues) to be a vigilance and learning about the challenge of living/driving the Leaf while living in a hilly community. 

SBCCOG STUDY OF HOME BASED EV CHARGING STATIONS

The SBCCOG is studying installation of EV charging stations in multi-unit buildings and condominiums. If you own an apartment building or condo, and are interested in installing an EV charging station or learning more about this, please feel free to contact us: Aaron Baum at 310 371-7222 x205 or aaron@southbaycities.org. 

CONGRATULATIONS TO SOUTH BAY CITIES, LEADERS

The South Bay Cities Council of Governments congratulates the following cities and elected officials for outstanding accomplishments and recognition.

Manhattan Beach and Rolling Hills Estates Win Beacon Spotlight Awards

At the October League of California Cities conference, the cities of Manhattan Beach and Rolling Hills Estates received awards in the statewide Beacon Program. The Beacon Program recognizes California cities and counties that are working to reduce greenhouse gas emissions, save energy and adopt policies and programs that promote sustainability.

Both cities took home Beacon Spotlight awards in three categories: Manhattan Beach, for achieving measurable Greenhouse Gas Emission Reductions of 9% in both Agency and Community areas, and in attaining Platinum Level in adopting Sustainability Best Practices; and Rolling Hills Estates, for achieving measurable Community Greenhouse Gas Emission Reductions of 11%, Agency Energy savings of 27%, and for reaching Silver Level in adopting Sustainability Best Practices.

The Beacon Program is sponsored by the Institute for Local Government and the Statewide Efficiency Collaborative and is funded by California utility customers.

Palos Verdes Estates Mayor James Goodhart Elected to League of Cities Board

The League of California Cities has elected SBCCOG Board member and Palos Verdes Estates Mayor James F. Goodhart as its incoming 2015-2016 Second Vice President. Mayor Goodhart was installed on October 2nd during the League's 117th Annual Conference and Expo and will advance to the

office of First Vice President in September 2016 and President in September 2017.

Prior to his election as a League officer, Mayor Goodhart served on the League's Los Angeles Division board of directors, as chair of the Environmental Quality Policy Committee and as president of the New Mayors and Council Members Department from 2012-2013.

Inglewood Mayor James T. Butts Named "Public Sector Leader of the Year"

The Southern California Leadership Network has named SBCCOG Alternate Board member and Inglewood Mayor James Butts as "Public Sector Leader of the Year". Mayor Butts will receive this recognition on December 9 at the Leadership Network's annual Visionaries Awards event. The Visionaries Awards, given in four categories, recognize individuals in the Southern California region who have demonstrated outstanding achievements in civic leadership and whose vision has inspired actions, collaboration and positive community outcomes.

Manhattan Beach Council Member Amy Howorth Named "Remarkable Woman"

On October 22, the LA Westside Chapter of the National Women's Political Caucus honored SBCCOG Board member and Manhattan Beach City Council Member Amy Howorth as one of twelve Los Angeles area women leaders chosen to grace the 2016 "Twelve Remarkable Women Calendar". The Remarkable Women Calendar recognizes women who have made significant contributions to the betterment of our communities, particularly in regards to issues impacting women, and who serve as role models and mentors to women in public service.

DON'T MISS THE SBCCOG HOLIDAY LIGHT EXCHANGE!

Thursday, November 12 and Friday, November 13, 2015 • 9:00 am - 5:00 pm

South Bay Environmental Services Center
20285 So. Western Avenue, Suite 100, Torrance, CA 90501

The Holiday Light Exchange program enables South Bay residents to trade one working string of old, electricity-guzzling Incandescent holiday lights, for one new, energy efficient LED strand. For more information call (310) 371-7222

Thank you to our generous sponsors



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TORRANCE OPENS PUBLIC CHARGING STATIONS AS PART OF NATIONAL DRIVE ELECTRIC WEEK

On Saturday, Sept. 12, the City of Torrance marked the opening of six public electric vehicle charging stations throughout the City with a ceremony at the new ChargePoint electric vehicle charging stations behind the Katy Geissert Civic Center Library.

Mayor Patrick J. Furey and members of the City Council, along with representatives for other elected officials, cut a symbolic gas hose in place of the traditional ribbon.

“As a City that encourages environmental sustainability, this is one more way that we can move forward with our efforts,” Mayor Furey said. “With these new charging stations in Torrance, we become part of a larger, regional network. And as growth continues in the electric vehicle market, this is just one more resource we can offer our community and our visitors.”



Following the ribbon cutting, attendees took part in the National Drive Electric Week Ride and Drive/EV-Expo. The “Torrance EVent” included representatives from nine automakers, as well as 41 EV owners who talked about owning an electric vehicle. Also on hand were 36 exhibitors offering information about a range of other environmental concerns including recycling, water conservation, gray water systems and solar energy.

Visitors were given the opportunity to ride in or drive electric vehicles and to obtain information showing the locations of existing and future charging stations throughout the City. With the exception of the Civic Center Library which has four Level II chargers, all of the stations will have two Level II and one Level III DC Fast Charger stations.

National Drive Electric Week is sponsored by Plug In America, the Sierra Club and the Electric Auto Association.

Once complete, the six ChargePoint public charging station locations are:

- Katy Geissert Civic Center Library, 3301 Torrance Blvd.
- Columbia Park, 18727 Prairie Avenue
- Charles H. Wilson Park, 2200 Crenshaw Blvd.
- Downtown Torrance Parking Lot, 1332 Post Avenue
- Walteria Library and Park, 3855 242nd Street
- McMaster Park Library, and Police Substation, 17537 Yukon Avenue

This event was a result of an over two year effort by the Torrance City Council and an interdepartmental City team to complete public outreach as to citing the locations, securing grant funding and proceeding with design and construction of the sites. By expanding the City’s electric vehicle charging infrastructure, the project assists in the achievement of a 2008 Strategic Plan goal to “improve air quality” and responds to an ever increasing demand for EV charging at existing stations currently in place at the City Hall. Funding in part was through grants awarded the City from the California Energy Commission, Mobile Source Committee (MSRC) and AB 2766 subvention funds.

For further information, contact Lead Senior Planning Associate Danny Santana at (310) 618-2250; dsantana@torranceca.gov.

THE GREEN BUILDING CHALLENGE HAS LAUNCHED!

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applauded the first business enrollees including **Beach Cities Health District, Crowne Plaza Redondo Beach, Fitness and Fun Body Transformation Center, Hawthorn Suites, Malaga Cove Library, Manhattan Bread & Bagel, Mar Ventures, Inc., Maritz, Miraleste Library, Palos Verdes Library District, Raytheon, Trash 4 Teaching, U. S. Hybrid and Verengo Solar.**

Since the launch the following businesses have joined the Challenge: **Childrens’s Orchard Manhattan Beach, Grades of Green, HazAwayToday.com, Hustler Casino, Insight Structural Engineers, Kilroy Realty, Normandie Casino, Providence Little Company of Mary-Torrance, SaveSorb, Shade Hotel, St. Margaret’s Center, Terranea and Trump National Golf Course.** Highlights from the launch can be found at <http://www.southbaycities.org>.

South Bay Mayors and Chambers have provided their support for the Challenge by reaching out to local businesses in their cities to encourage participation. As of late October, participation by City was: El Segundo (10), Torrance (6), Manhattan Beach (4), Gardena (4), Redondo Beach (3), Rancho Palos Verdes (3), Rolling Hills Estates (1), Palos Verdes Estates (1) and Lennox (1).

News and updates on the program as well as information on new incentives, rebates, and activities will be provided regularly through an e-newsletter sent twice a month. If you own or work at a South Bay business, please join the Challenge at www.southbaycities.org/gbc.

Contact Renee Daigneault at gbc@southbaycities.org or (310) 371-7222 for more info.

Food for Thought

THE FUTURE OF MOBILITY

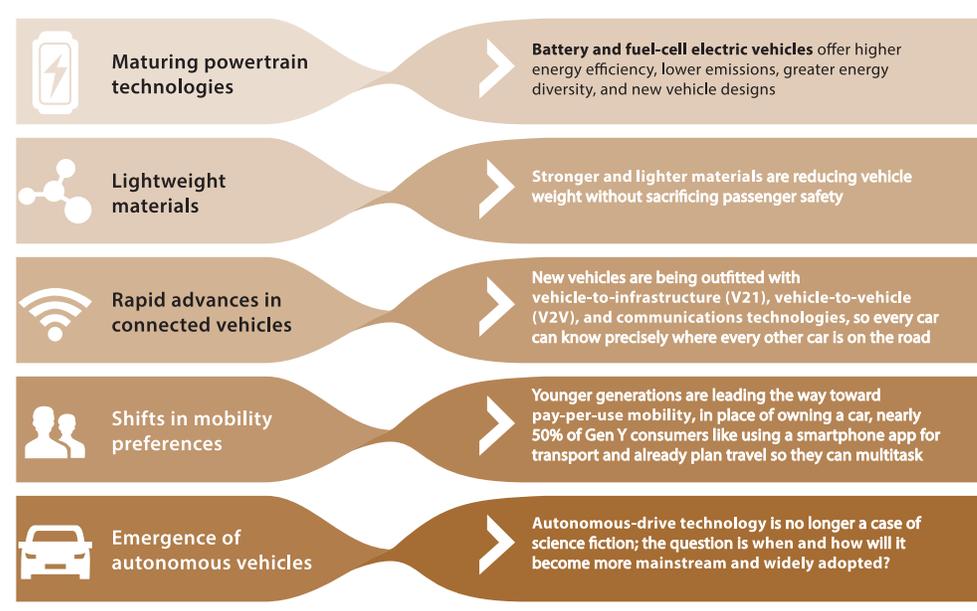
HOW TRANSPORTATION TECHNOLOGY AND SOCIAL TRENDS ARE CREATING A NEW BUSINESS ECOSYSTEM

Excerpt - By: Scott Corwin, Joe Vitale, Eamonn Kelly, and Elizabeth Cathles, Deloitte University Press, September 24, 2015.
For full article and references: <http://dupress.com/articles/future-of-mobility-transportation-technology/>

There is a critically important dialogue going on across the extended global automotive industry about the future evolution of transportation and mobility. This debate is driven by the convergence of a series of industry-changing forces and mega-trends (see figure 1).

Innovative technologies are changing how companies develop and build vehicles. Electric and fuel-cell powertrains tend to offer greater propulsion for lower energy investment at lower emission levels.¹ New, lightweight materials enable automakers to reduce vehicle weight without sacrificing passenger safety.²

Figure 1. Converging forces transforming the future evolution of automotive transportation and mobility



Further breakthroughs are advancing the introduction of autonomous vehicles; increasingly, daily news reports suggest that driverless cars will soon become a commercial reality.³ We have already seen rapid advances in the “connected car”—innovations that integrate communications technologies and the Internet of Things to provide valuable services to drivers.⁴ Vehicles outfitted with electronic control modules and sensors that enable vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications can proactively suggest re-routings to avoid road hazards and call for assistance in the event of an accident.⁵ Soon, cars will routinely gain precise-enough awareness of where they are in relation to other vehicles and potential hazards to take preemptive action to avoid accidents.⁶

Simultaneously, young adults, along with urbanites, are gravitating toward a model of personal mobility consumption based on pay-per-use rather than upfront purchase of a capital asset, which fundamentally challenges today’s consumption model centered on personal ownership of cars.⁷

All told, a system that has been well established for a century is on the verge of a major transformation that could result in the emergence of a new ecosystem⁸ of personal mobility.

Today’s debate centers on whether the extended automotive industry will evolve incrementally toward some future mobility ecosystem or whether change will occur at a more radical pace and in a highly disruptive manner. No one knows the full scope and magnitude of the changes that are to come, what they entail, or how they will evolve, yet these forces have the potential to alter current industry structures, business models, competitive dynamics, value creation, and customer value propositions. We may be on the threshold of change as great as any the industry has ever seen.

CALENDAR

All meetings are open to the public

November

- 9 Steering Committee
- 10 GIS Working Group
- 18 Livable Communities Working Group
Infrastructure Working Group
- 19 **Board of Directors**

December

- 1 Senior Services Working Group
 - 3 Economic Development Roundtable
 - 8 GIS Working Group
 - 14 Steering Committee
- Happy Holidays**

January 2016

- 6 Energy Management Working Group
- 11 Steering Committee
- 12 GIS Working Group
- 14 Legislative Briefing
Social Media Working Group
- 20 Livable Communities Working Group
Infrastructure Working Group
- 26 Senior Services Working Group
- 28 **Board of Directors**

Contact jacki@southbaycities.org for further information.

The quarterly South Bay Watch is available electronically by email or at www.southbaycities.org. To receive by email, please send your email address to sbccog@southbaycities.org