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Local Leadership Toward
Solving Climate Change

City of West Sacramento

Best Practice Activities & Accomplishments to Date

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About This Document

This document tracks and shares local agency best practice activities completed and counted as part of a city or county's participation in the climate change and sustainability recognition program, the Beacon Award: Local Leadership toward Solving Climate Change. The Beacon Award is a statewide program recognizing cities and counties that are working to reduce greenhouse gas emissions, save energy and adopt policies and programs that promote sustainability.

The Beacon Award is sponsored by the Institute for Local Government and the Statewide Energy Efficiency Collaborative. The Statewide Energy Efficiency Collaborative (SEEC) provides support to cities and counties to help them reduce greenhouse gas emissions and save energy. SEEC is an alliance between three statewide non-profit organizations and California's four Investor-Owned Utilities. It builds upon the unique resources, expertise and local agency relationships of each partner.



This program is funded by California utility ratepayers and administered by Pacific Gas and Electric Company, San Diego Gas and Electric, Company, Southern California Edison, and Southern California Gas Company under the auspices of the California Public Utilities Commission.



1. Energy Efficiency & Conservation

Level	Completed Activities	Reported
Silver	<ol style="list-style-type: none"> 1. Installed daylight sensing auto-dimming lights and motion sensing lighting controls installed in all city buildings constructed after 2002. Energy efficient T05 and T08 lighting is installed throughout city buildings. 	06-2012
Gold	<ol style="list-style-type: none"> 1. To reduce energy consumption, installed light switches for dual tubes at city hall and raised thermostat temperatures two degrees in the summer and lower two degrees in the winter. 2. Energy Management system controls HVAC units at City Hall, Police Department, Water treatment Plant, Bridgeway Lakes, Fire Stations 41 and 45, the Community Center, the Corporation Yard and the Recreation Center. System allows staff to lock out thermostats and remotely raise or lower temperatures during peak use program times. The city routinely lowers demand by 10% when asked to by PG & E. The city also modulates the outside air intake based on the amount of CO2 in the building, which saves heating and conditioning costs. 	<p>06-2012</p> <p>06-2012</p>
Platinum	<ol style="list-style-type: none"> 1. Energy efficient HVAC units installed at the Police Department have a seasonal energy efficiency ratio (SEER) rating of 15 as opposed to the old units SEER rating of 10. 2. Tinted window film was installed on the south side of City Hall to reduce solar heat gain and eliminate the need for an additional HVAC unit to cool the Galleria area. 3. The Port of West Sacramento has installed several sub-meters throughout the Port to help audit 	<p>06-2012</p> <p>06-2012</p> <p>06-2012</p>

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	<p>energy consumption and analyze that data to make smart choices for lighting and conveyor operations. Staff, partners, and tenants are consistently working to save energy to reduce greenhouse gas emission and lower annual energy costs.</p> <p>4. Undertaken many energy efficiency initiatives at the Bryte Bend Water Treatment Plant including:</p> <ul style="list-style-type: none">a. Reducing plant production during peak energy hours of 12:00pm-6:00pm during the summer high demand months. This single measure reduces the annual bill for Bryte Bend by \$65,000;b. Reducing plant production during evening hours during winter months;c. Participating in a PG&E voluntary energy reduction plan during summer high demand months. This nets a saving of between \$12,000 and \$25,000 depending on how many reduction events are initiated by PG&E;d. And participated in a PG&E audit in 2008 which resulted in a lighting grant to retrofit ballasts and switches. <p>5. The City signed a 3 year agreement with PG&E to implement PG&E's HVAC Quality maintenance program at 20 City facilities. Over the term of the service agreement, a certified contractor will perform quarterly preventive maintenance and repairs to optimize performance and longevity of the equipment. Higher set points have been established for summer months and lower for the winter. Systems have been completely tested and repaired. Free cooling and heating (outside air) is used in lieu of heating and cooling from the HVAC</p>	<p>06-2012</p> <p>11-2013</p>
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	<p>unit when appropriate. This improves air quality and significantly reduces electrical and gas consumption.</p> <p>6. The City has replaced approximately 2,500 streetlights with LED fixtures.</p> <table border="1" data-bbox="464 646 1247 970"><thead><tr><th>Previous fixture wattage</th><th>Replaced with: LED fixture</th></tr></thead><tbody><tr><td>70</td><td>29</td></tr><tr><td>100</td><td>39</td></tr><tr><td>150</td><td>56</td></tr><tr><td>200</td><td>101</td></tr><tr><td>250 and up</td><td>102</td></tr></tbody></table>	Previous fixture wattage	Replaced with: LED fixture	70	29	100	39	150	56	200	101	250 and up	102	11-2013
Previous fixture wattage	Replaced with: LED fixture													
70	29													
100	39													
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2. Water & Wastewater Systems

Level	Completed Activities	Reported
Silver	1. Currently retrofitting existing City buildings with water efficient fixtures.	06-2012
Gold	1. Bridge District development plumbed with purple pipe for future recycled water irrigation. 2. The Parks Department has undertaken a mulch program in planter areas reducing the need to water, helping curb runoff water pollution and nearly eliminating the need for mechanical weed control, therefore reducing equipment operation hours.	06-2012 06-2012
Platinum	1. Installed a centrally controlled irrigation system within City parks reducing costs by 20-30 percent. Central control systems also show annual water savings of 25 – 30% on average. 2. Installed Water-Wise Demonstration Garden at Bridgeway Lake that offers a practical example of different techniques to reduce water use in landscape features. 3. TBD	06-2012 06-2012



3. Green Building

Level	Completed Activities	Reported
Silver	1. Early adopter of CalGreen Building Code with Tier I energy and water efficiency measures mandatory at adoption. Adopted the CalGreen Code in November 2010 and adopted certain voluntary measures related to energy and water efficiency measures (CalGreen Sections A4.203.1, A4.303.1, A4304.1, A5.203.1.1, A5.304.2.1 and A5.303.2.3.1).	06-2012
Gold	1. Community Center certified LEED Gold. 2. Installed "cool" roofs" utilizing white reflective roofing material on City Hall, the Recreation Center, the Community Center, and Fire Station 45.	06-2012 06-2012
Platinum	1. TBD 2. TBD 3. TBD	



4. Waste Reduction & Recycling

Level	Completed Activities	Reported
Silver	1. Adopted a Construction and Demolition Debris Recycling Ordinance in 2006, requiring all covered projects to divert 50% of the waste generated at the project. Municipal Code 8.08.070.	06-2012
Gold	1. All city offices have a mixed recycling program and the city has adopted a Waste Reduction and Recycling Administrative Policy to be followed by all city employees (policy available to all employees on city intranet). An Employee Recycling Committee, comprised of representatives from different city departments, helps spread the message to all departments. 2. The city, through our contracted waste service provider, offers multifamily and commercial recycling service at no additional charge as well as an incentive program called "Recycle Rewards".	06-2012 06-2012
Platinum	1. City website provides residents and businesses with program information as well as information about local recycling opportunities and how to properly manage special waste such as hazardous waste. 2. City Hall is switching from bi-fold towels to touch-less regulated roll-feed dispensers. Studies have demonstrated a 50% reduction in hand towel paper use by switching to touch-less regulated roll feed dispensers. This conversion will be completed November 2013.	06-2012 11-2013



5. Climate-Friendly Purchasing

Level	Completed Activities	Reported
Silver	1. The city adopted an Environmentally Preferable Purchasing (EPP) Policy as part of the city's Administrative Policy manual that is available on the city's intranet.	06-2012
Gold	1. City Council adopted a resolution in support of Extended Producer Responsibility and the California Product Stewardship Council (Resolution 09-72). The city's EPP Policy also includes EPR as a consideration in making purchasing decisions. 2. City-wide janitorial contract requires climate-friendly products such as unbleached, recycle paper products, and Green Seal certified cleaning products.	06-2012 06-2012
Platinum	1. TBD 2. TBD 3. TBD	



6. Renewable Energy & Low-Carbon Fuels

Level	Completed Activities	Reported
Silver	<ol style="list-style-type: none"> 1. The Port of West Sacramento installed solar panels on several sheds in February 24, 2010. These panels will provide close to 1MW solar energy for the Port of West Sacramento and provide an immediate 10% savings on our electric bill. 	06-2012
Gold	<ol style="list-style-type: none"> 1. Solar array installed at the Community Center. 2. City fleet includes vehicles that use alternative fuel, including ethanol, compressed natural gas, and hybrid systems. In addition, new Police Department vehicles have flexible fueling systems that allow for use of either gasoline or ethanol fuel. 	<p>06-2012</p> <p>06-2012</p>
Platinum	<ol style="list-style-type: none"> 1. Bike racks and showers are provided at City Hall and the Community Center to encourage employees and visitors to bicycle, walk or run to City offices. 2. City installed an EV charging station at City Hall that is free to use. 3. The City is participating in Clean Energy Yolo, managed and funded by Ygrene, which provides 100% financing to commercial property owners for energy efficiency, renewable energy, and water conservation improvements. Financing is repayable over the long term through the property owner's property taxes. 	<p>06-2012</p> <p>11-2013</p> <p>11-2013</p>



7. Efficient Transportation

Level	Completed Activities	Reported
Silver	1. The West Sacramento City Council approved a Transportation Management Plan (TMP) for city operations focused around City Hall, but with applicability for all city-staffed facilities. The TMP has not yet been fully implemented, but includes many transportation demand management strategies designed to reduce vehicle miles traveled and related harmful air quality emissions. Upon complete implementation of the TMP, the city will provide mode, time and location choice options and incentives for employees.	06-2012
Gold	1. The city provides alternative mode use incentives to employees through its membership in the Yolo Transportation Management Association (TMA). The Yolo TMA is an employer-based member organization that provides direct financial incentives to member employees who try walking, cycling, carpooling or riding public transit to work. In addition, the Yolo TMA provides a guaranteed ride home program to ease concerns of alternative mode users who may need an emergency motor vehicle ride home because of health, childcare or unexpected work obligations. 2. Three parking stalls are reserved for low-emission vehicles or carpools at City Hall.	06-2012 06-2012
Platinum	1. City staff works with the Yolo TMA and local Metropolitan Planning Organization to promote "May is Bike Month". The city publicizes this effort through its website and newsletter. The city hosts an annual Smart Cycling Clinic that is open to employees and the general public. The city also	06-2012

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	<p>staffs an “Energizer Station,” which provides beverages and refreshments, for cyclists who participate in May is Bike Month. Every other year the city organizes a bicycle ride to increase awareness of bicycle facilities.</p> <p>2. The Parks department has gone from an individual staff person assignment to a crew based parks maintenance plan. Placing up to 4 parks staff in each vehicle achieves a “carpool effect”, lowering the number of annual miles logged on department vehicles and reducing greenhouse gas emissions.</p>	06-2012
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8. Land Use & Community Design

Level	Completed Activities	Reported
Silver	<p>1. The West Capital Streetscape project has begun the transformation of the street into a multi-way boulevard accommodating pedestrians, bicyclists, transit and vehicles. The project also includes significant tree plantings in medians and in tree wells in the sidewalks. This concept was conceived not only to transform the look of the street but also its function. All of these factors are meant to decrease automobile dependence and increase pedestrian, bicycle, and transit ridership. Additionally, the project includes design guidelines that require new development to reinforce the street, strengthen commercial nodes at key intersections, and provide for infill housing.</p>	06-2012
Gold	<p>1. The city updated the 1993 Triangle Specific Plan with the Council approving the new Bridge District Specific Plan in 2009. Sustainability is a key component of the plan in that it furthers the original plan's mixed use development pattern. The city will also pursue a LEED Neighborhood Design designation for the entire district given the innovative storm drain design; compact walk able streets, and transit operations. Individual commercial buildings must also attain LEED certification.</p> <p>2. Redesigning the West Capitol Avenue streetscape to create a pedestrian friendly downtown corridor.</p>	06-2012 06-2012
Platinum	<p>1. Updating the 1995 Bicycle and Pedestrian Path Master Plan. Adopted in May 2013, the new Bicycle, Pedestrian, and Trail Master Plan, identifies ways to enhance and expand the existing network</p>	11-2013

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	<p>of pedestrian and bike travel ways and recreational trails, connect gaps in the system, and improve problem areas.</p> <p>2. The League of American Bicyclists awarded West Sacramento the “Bronze” level of Bicycle Friendly communities. The Award recognizes West Sacramento’s commitment to improving bicycling promotion, education programs, infrastructure and pro-bicycling policies.</p> <p>3. TBD</p>	11-2013
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9. Open Space & Offsetting Carbon Emissions

Level	Completed Activities	Reported
Silver	1. The City of West Sacramento has a Tree Ordinance (Municipal Code Section 8.24) in place to protect our urban forest from practices that serve to permanently damage or remove trees without proper cause.	06-2012
Gold	1. The city offers free shade tree workshops which provide free trees and education to residents, businesses, schools, churches and non-profit organizations. We provide 10 species of shade trees which have been chosen based on their resistance to pests and diseases, structural integrity, and friendly root systems.	06-2012
	2. The city has been designated a Tree City USA by the National Arbor Day Foundation.	06-2012
Platinum	1. The city has joined the Sacramento Tree Foundation's Greenprint initiative, a regional roadmap for mobilizing and empowering community partners and volunteers to plant 5 million trees in the Sacramento region.	06-2012
	2. The city partnered with the West Sacramento Chamber of Commerce to launch one of the first Zero Waste Certified Farmers Markets in the region. The Market brought local farm produce and the idea of Zero Waste practices to West Sacramento residents.	06-2012
	3. TBD	



10. Promoting Community & Individual Action

Level	Completed Activities	Reported
Silver	<ol style="list-style-type: none"> Using utility bill inserts, newsletters and City iLights, the city sends outreach messages about water conservation, recycling and other “green” activities to West Sacramento residents throughout the year. 	06-2012
Gold	<ol style="list-style-type: none"> The City of West Sacramento participates in the Climate Change Compact of Yolo County, a collaborative group comprised of staff from Yolo County, the cities of Davis, West Sacramento, Winters and Woodland, as well as special districts such as the Yolo County Housing Authority, Yolo-Solano Air Quality Management District, the Yolo County Office of Education, the University of California, Davis, the Yolo County Flood Control and Water Conservation District, the Port of West Sacramento and Yocha DeHe Wintun Nation. The Compact has served as a forum for discussion of efforts to increase energy efficiency and develop renewable energy resources. The sharing of information at these meetings has resulted in numerous partnerships between jurisdictions, transmission of best practices, and implementation of programs and policies to increase overall community sustainability. The Compact also took on an active role in promoting energy efficiency and renewable energy through the formation of the Yolo Energy Watch (YEW) that brings funding and expertise in these areas to governments, businesses, farmers, and residents. The Compact/YEW works with chambers of commerce, libraries, the Farm Bureau, student groups, and others to identify opportunities 	<p>06-2012</p> <p>06-2012</p>

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	for energy efficiency and assist with financing and/or implementing these programs.	
Platinum	1. The city is participating in the ICLEI Energy Benefits Program, which is being offered to each of the jurisdictions located within Yolo County, as well as the University of California, Davis and other large employers located in Yolo County. The program provides employees of each of the participants the opportunity to participate in a collaborative clean energy purchasing program, resulting in significant cost savings, successful community engagement, and substantial progress towards achieving the community's sustainability goals.	06-2012
	2. The City hosted the first annual community Earth Day Celebration Event on April 20, 2013. The event featured vendors that provided green and sustainable programs, services and information. The purpose of the event is to teach West Sacramento residents that they can reduce their carbon footprint by implementing energy efficiencies measures in their homes, taking public transportation, buying locally grown produce and reducing water use by planting water-wise gardens.	11-2013
	3. The City participated in an expanded version of the ICLEI Energy Benefits program in 2013 that was offered to all Yolo County residents and employees of the Yolo County municipalities. The program resulted in 3 solar systems (83.0kW) being installed, 3 energy efficiency upgrade contracts executed and 2 solar hot water heater installations in West Sacramento.	11-2013
	4. The City partnered with Yolo Energy Watch and the Yolo County Office of Education to establish the School Energy Efficiency Program (SEEP) as a partnership to promote energy efficiency in schools throughout Yolo County. The City of West	11-2013

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	<p>Sacramento's contribution of resources and/or staff will be applied only to schools within the Washington Unified School District. The School Energy Efficiency Program (SEEP) includes six separate, but synergistic outreach efforts and builds on current programs that address energy education in grades K-16 (elementary, middle school, high school, college). The program is designed to educate students at each grade level, build expertise and skills in energy efficiency, create more energy efficient school sites, and build a community-wide (students-parents-staff) appreciation for sustainable energy practices. Specific efforts will be made to involve college interns in education programs in high schools, and high school interns in K-8 programs and other community energy efficiency education and outreach.</p>	
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Beacon Award Accomplishments to Date
 (As of 11/8/13)

CRITERIA	AWARD LEVELS		
	SILVER	GOLD	PLATINUM
Agency Facilities			
GHG Reductions	-	-	-
Electricity Savings	-	-	-
Natural Gas Savings	-	-	-
Community			
GHG Reductions	-	-	-
Activity Promoting Energy Efficiency	-	-	-
Best Practice Areas			
Completed Activities in Each Area	1	2	-