

PLATINUM LEVEL AWARD WINNER

BEACON
SPOTLIGHT
AWARD
WINNER
BEST PRACTICE
ACTIVITIES



City of Santa Barbara

Sustainability Best Practices Activities



ILG INSTITUTE FOR
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Promoting Good Government at the Local Level

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 Program. The Beacon Program 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 Program 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 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.



Supporting California local governments

This program is funded by California utility customers 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.



SPOTLIGHT AWARD

Areas of Accomplishment

	SILVER LEVEL	GOLD LEVEL	PLATINUM LEVEL
Agency GHG Reductions			26% Reduction
Community GHG Reductions			
Agency Energy Savings		14% Savings	
Natural Gas Savings	7% Savings		
Sustainability Best Practice Activities			3 in each of 10 categories





Energy Efficiency and Conservation Activity

Level	Energy Efficiency and Conservation Activity	Reported
Silver	1. The city performed an audit of major city facilities and identified energy conservation projects.	2015

Level	Energy Efficiency and Conservation Activities	Reported
Gold	<ol style="list-style-type: none"> The city has implemented retrofit projects that include lighting, heating, ventilation and air conditioning (HVAC) system upgrades and replacements, HVAC and lighting automation systems and building system commissioning projects. The projects are estimated to save approximately 526,000 kWh annually and reduce CO2 equivalent greenhouse gases by 463,000 lbs. annually. More information available in the city's Annual Energy Report. The city works working closely with the local utility provider SCE to identify additional energy conservation projects and funding opportunities. 	2015

Level	Energy Efficiency & Conservation Activities	Reported
Platinum	<ol style="list-style-type: none"> The city installed LED traffic and crosswalk lights City-wide. The city participates in the regional Green Business Program (GBP). The GBP offers incentives and assistance to encourage businesses to implement voluntary actions to protect, preserve, and improve the environment beyond what current laws require. Businesses meeting these criteria can be certified as green businesses. The city Installed energy efficient lighting at the El Estero Parking Lot and Pershing Park ball field. The city participated in Southern California Edison's Direct Install Program, upgrading lighting, window film and motion sensing for a cumulative savings of 358,000 kWh in FY 2014. The city has undergone several streetlight upgrades, replacing High Pressure Sodium lights with LEDs. The city intends to continue upgrading all City-owned streetlights to LED. 	2015





Energy Efficiency and Conservation Activity

Level	Energy Efficiency & Conservation Activities	Reported
Platinum	6. The city installed an Enterprise Energy Management Information System which will help monitor real-time energy usage and identify energy saving opportunities.	2015





Water & Wastewater Systems Activity

Level	Water & Wastewater Systems Activity	Reported
Silver	1. The city installed Fuel Cells at the El Estero Wastewater Treatment Plant in 2004. A project to replace the fuel cells with a more efficient and reliable reciprocating engine is underway.	2015
Level	Water & Wastewater Systems Activities	Reported
Gold	<ol style="list-style-type: none"> 1. The city is in the process of implementing a pilot project to add fats, oil and grease to the wastewater treatment digesters. This project will increase the production of methane gas for use in the production of energy at the facility. 2. The city of Santa Barbara's Recycled Water Project delivers tertiary treated wastewater to over 50 sites which use approximately 750 acre feet per year. The Recycled Water Project was developed in two phases: Phase I was completed in July 1989 and Phase II was completed in May 1991. 	2015
Level	Water and Wastewater Systems Activities	Reported
Platinum	<ol style="list-style-type: none"> 1. Created a webpage to house all of the City's drought response activities, including city council drought update videos, new drought regulations and water rate information, links to current reservoir and rainfall conditions, water conservation best practices and incentives, and water supply planning. www.SantaBarbaraCA.gov/Drought 2. Drought outreach and conservation programs helped enable the community to achieve a cumulative 24% reduction in water use compared to 2013. 3. City Council authorized reactivation of the city's Charles E. Meyer Desalination Plant as an emergency water supply. 4. Water Pollution Prevention – The Creeks Division actively educates the public on water pollution prevention. Sample activities include: Clean water signage at the beach, interpretive signage explaining the clean water projects, promoting use of native plants, hosting storm drain marking events, coordinating Adopt-a-Beach program, as well as volunteer creek and beach clean-up days. 	2015





Green Building Activity

Level	Green Building Activity	Reported
Silver	1. The city's Energy Ordinance (2008) required new construction and major renovations to exceed the California Building Energy Efficiency Standards (Title 24) by up to 20%.	2015

Level	Green Building Activities	Reported
Gold	<ol style="list-style-type: none"> The city's Green Building Policy for City Buildings (2008) requires all new construction, major renovations, and building retrofits for City facilities to be designed to exceed California Title 24 Energy Efficiency Standards by 20% and achieve LEED-Silver certification or Built Green Santa Barbara certification requirements. The city has achieved LEED certification for several City facilities. The Public Works/Community Development Building received LEED Platinum certification for Operations & Maintenance: Existing Building. Gold certification for New Construction was received for the Airport Quick-Turn-Around rental car service facility and Fire Station 1. 	2015

Level	Green Building Activities	Reported
Platinum	<ol style="list-style-type: none"> The city adopted Resolution 08-008 ensuring that City Facilities meet the water conservation elements of City's Green Building Policy, Resolution No. 07-018. The city's Smart Landscape Rebate Program offers rebates on approved irrigation equipment and landscape materials including; irrigation equipment, water wise plants and smart irrigation controllers. The City is a partner in the California Urban Water Conservation Council which offers residential and commercial rebates for water efficient fixtures. Successfully recertified the city Office Buildings at 630 Garden St at the platinum level 5 years after the original certification period. Established the Creeks Program in 2001 which was funded by a voter approved 2% tax increase to the transient occupancy tax. As part of its mission, the Creeks Division reviews building plans and new developments for stormwater regulation compliance. Since 2010, the City of Santa Barbara has removed asphalt and replaced it with permeable pavers that capture and treat storm water and runoff from approximately 135,000 square feet of land at City facilities: MacKenzie Park, Oak Park, Stevens Park and Westside Neighborhood Center. 	2015





Waste Reduction and Recycling Activity

Level	Waste Reduction Activity	Reported
Silver	1. The city implemented new solid waste collection rates (2009) for the business sector. The rates provide increased financial incentives for businesses to divert recyclables and food scraps from landfill disposal.	2015

Level	Waste Reduction Activities	Reported
Gold	<ol style="list-style-type: none"> 1. The city adopted an Unscheduled Collection Permit Ordinance (ORDINANCE NO. 5438, 2007) mandating recycling of construction and demolition debris 2. The city provided 500 recycling containers to the Santa Barbara Unified School district to assist with recycling efforts. 	2015

Level	Waste Reduction Activities	Reported
Platinum	<ol style="list-style-type: none"> 1. The city implemented a Foodscrap Recovery Program at all Santa Barbara Unified School District elementary schools. In the 2011/2012 school year secondary schools will be incorporated into the program. 2. In collaboration with the school district, established a district wide diversion rate target of 60% achieved 55% for FY 11. 3. The city achieved a 70% landfill diversion rate in 2008. 4. In 2014, the City of Santa Barbara implemented its Single-Use Carryout Bag Ordinance. The ordinance prohibits certain stores from providing single-use plastic carryout bags to customers at the point of sale and requires a 10-cent charge for each paper bag provided. 	2015





Climate-friendly Purchasing Activity

Level	Climate-Friendly Activity	Reported
Silver	1. The city adopted an Integrated Pest Management (IPM) strategy in January 2004 to provide an ongoing specific program to further reduce the amount and toxicity of pesticides used on city property and, where feasible, to eliminate pesticide use in public areas using alternative methods. More information available in the city's annual report.	2015
Level	Climate-Friendly Activities	Reported
Gold	1. Modified Vehicle Purchasing Policy to prioritize the purchase of the most fuel efficient vehicles for the specifications needed. 2. Adopted Environmentally Preferred Purchasing Policy	2015
Level	Climate-Friendly Activities	Reported
Platinum	1. Starting in 2013, contracted with Big Green Cleaning for over \$500,000 in annual custodial work, using as many green products as recommended by best health and safety practices.	2015





Renewable Energy and Low-Carbon Fuels Activity

Level	Renewable Energy and Low Carbon Fuels Activity	Reported
Silver	<ol style="list-style-type: none"> The city installed solar photovoltaic panels on four city facilities; Fire Station 2, the city corporate yard, Fire Station 1 and the airport quick turnaround facility. Information on these projects can be found in the City's Annual Energy Report. 	2015
Level	Renewable Energy and Low Carbon Fuels Activity	Reported
Gold	<ol style="list-style-type: none"> The city offers expedited permit processing for projects meeting the 2-star Built Green level, LEED "Silver" rating or other comparable program ratings. The city is a partner in the County of Santa Barbara's emPowerSBC program which provides financing and support for residential energy efficiency and renewable energy projects. 	2015
Level	Renewable Energy and Low Carbon Fuels Activity	Reported
Platinum	<ol style="list-style-type: none"> Installed a Solar Thermal Water Heating System at the Harbor. Installed Solar Powered Self Pay Parking Stations. The city facilities has increased the percentage of electricity from renewable energy sources from 18% in 2008 to 37% in 2014. In 2013, the city installed a Cogeneration System at the El Estero Wastewater Treatment Plant. The system provides over 4 million kWh annually. 2014 usage of electricity from this source resulted in a 15% GHG emissions decrease over 2013. In 2015, the city recommissioned a 600 kW hydro electric plant at the Lauro Reservoir. In 2015, the city adopted a new ordinance to expedite the permit issuance of smaller solar energy systems on single family residences. The expedited process includes only permit applications. 	2015





Efficient Transportation Activity

Level	Efficient Transportation Activity	Reported
Silver	1. The city implemented a flexwork schedule for city employees in 2006 incorporating telecommuting, flex (9/80) and modified schedules.	2015

Level	Efficient Transportation Activities	Reported
Gold	<p>1. The city implemented a Vehicle Rideshare Program in 2007 a part of the Transportation Demand Management benefits called the Work Trip Reduction Incentive Program (Work TRIP). The purpose is to encourage sharing rides to work by making city vehicles available to city employees to make carpooling attractive. To help achieve the goal of decreasing traffic congestion and reducing pollution, other downtown employees may be permitted to join qualified carpools in the city Vehicle Rideshare Program.</p> <p>2. The city constructed a bike station that incorporates bicycle storage, showers and bicycle repair space. The city also annually reviews locations for installation of new bicycle hitching posts for public use.</p>	2015

Level	Efficient Transportation Activities	Reported
Platinum	<p>1. The city provides electric vehicle charging stations in one public parking garage. Additional electric vehicle charging station locations have been identified and a project to install new stations is in development. Additional electric vehicle charging station locations have been installed in 2013.</p> <p>2. In 2013, the city council approved the Average Unit-size Density (AUD) Incentive Program Ordinance. The intent of the program is to support the construction of smaller, more affordable residential units near transit and within easy walking and biking distance to commercial services and parks. http://www.santabarbaraca.gov/services/planning/aud_program.asp</p> <p>3. The city conducted neighborhood outreach workshops in the spring of 2015 and provided an interactive online map to survey the community regarding the update to the Bicycle Master Plan. http://bmp.santabarbaraca.gov/</p> <p>4. During May 2015, employees of the City of Santa Barbara participated in CycleMaynia, a local bike commuter challenge. In one month, riders logged over 3,000 miles on bikes, 51% of which were for transportation rather than recreation. http://cyclemaynia.ning.com/</p>	2015





Land Use and Community Design Activity

Level	Land Use and Community Activity	Reported
Silver	1. The city adopted and implemented a Bicycle Master Plan(Resolution 98-133 October 1998)	2015
Level	Land Use and Community Activities	Reported
Gold	1. Adopted and implemented a Pedestrian Master Plan (Resolution 06-065 July 2006). 2. Adopted a climate action plan to reduce community greenhouse gas emissions within the City of Santa Barbara, and identify climate change adaptation measures.	2015
Level	Land Use and Community Activities	Reported
Platinum	1. In 2014-15, the City of Santa Barbara sponsored a Master's Thesis project conducted by UCSB Bren School of Environmental Studies to assess Santa Barbara's vulnerability to future potential sea level rise. 2. In 2014, the city commissioned Environmental Science Associates to produce the Goleta Slough Inlet Modeling Study with findings to inform the Airport Master Plan. 3. The 2013, Safety Element Update to the city's General Plan which addresses community resiliency in the context of all hazards and risks including those predicted by climate change models. Details found in Appendix J the Safety Element Technical Background Report include the possible effects of climate change on sea cliff retreat, wildfires and stream flooding.	2015





Open Space and Offsetting Carbon Emission Activity

Level	Open Space Offsetting Carbon Emission Activities	Reported
Silver	1. The city has been a recipient of the Arbor Day Foundation Tree City USA designation for 31 consecutive years.	2015
Level	Open Space Offsetting Carbon Emission Activities	Reported
Gold	<ol style="list-style-type: none"> 1. The city conducted a Street and Park Tree Inventory and the data received will allow the city to effectively manage resources, develop policies, and set priorities. 2. The city completed and presented Urban Forest Management Plan which plans for increased tree canopy. 	2015
Level	Open Space Offsetting Carbon Emission Activities	Reported
Platinum	<ol style="list-style-type: none"> 1. In 2013, the city received a grant for Coastal Education and Outreach. The \$27,000 grant will support web-based coastal education and outreach including development of a coastal walking map and a central source of information about the city's waterfront. The walking map will be available in multiple formats, including a mobile platform, and will link to interpretive signs installed along the California Coastal Trail and in parks, viewpoints, and other public areas along the city's 6.3 miles of shoreline. http://www.santabarbaraca.gov/civica/press/display.asp?layout=4&Entry=116 2. The city reduces pesticides, often containing hydrocarbons derived from petroleum, through the implementation of an Integrated Pest Management Plan (IPM). The IPM prohibits or limits the amount of pesticides in open spaces. http://www.santabarbaraca.gov/gov/depts/parksrec/parks/stewardship/ipm/default.asp 3. The Parks and Recreation Department manages 1,183 acres of open space. The city, in partnership with the US Forest Service and the County of Santa Barbara, manages more than 35 miles of trails for day hiking, mountain biking, and horseback riding. http://www.santabarbaraca.gov/gov/depts/parksrec/parks/countrytrails/default.asp 	2015





Promoting Community and Individual Action Activity

Level	Promoting Community and Individual Action Activities	Reported
Silver	1. The city is participating in regional efforts to implement greenhouse gas emission targets related to transportation projects. The travel model upgrade is complete as well as the Regional Growth and Transportation Plans. The next step is the creation of a regional Sustainable Communities Strategy.	2015

Level	Promoting Community and Individual Action Activities	Reported
Gold	1. Included Global Climate Change in Santa Barbara's General Plan Update and public outreach process. 2. The city established Solar Energy System Guidelines and a Solar Recognition Program.	2015

Level	Promoting Community and Individual Action Activities	Reported
Platinum	1. The city is a member of the South County Energy Efficiency Partnership. This group is focused on making south Santa Barbara County a progressive leader in energy efficiency. Through local outreach events and educational resources provide solutions to reduce energy use in homes, businesses and the city industries. 2. In 2007, 2008 and 2010 issued a Sustainability Achievement Reports. These report includes tips for residents on how to conserve energy, reduce waste and protect the environment. 3. The city has a history of soliciting community input. Most recently, the Bicycle Master Plan held several neighborhood events and collected surveys to inform a 2015 update to the plan. An interactive map showed survey results. http://bmp.santabarbaraca.gov/	2015







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1400 K Street, Suite 205
Sacramento, CA 95814
916-658-8208
www.ca-ilg.org

