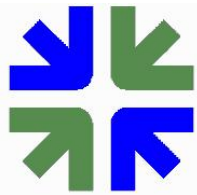


GOLD LEVEL AWARD WINNER

BEACON
SPOTLIGHT
AWARD
WINNER
BEST PRACTICE
ACTIVITIES



City of Emeryville

Sustainability Best Practices Activities



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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 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 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.








Supporting California local governments

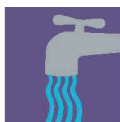
The Beacon Program is funded by California utility ratepayers and administered by Pacific Gas and Electric Company, San Diego Gas and Electric Company, Southern California Edison and Southern California Gas Company under the auspices of the California Public Utilities Commission.



SPOTLIGHT AWARD

Areas of Accomplishment

		SILVER LEVEL	GOLD LEVEL	PLATINUM LEVEL
	Agency GHG Reductions	7%		
	Community GHG Reductions	7%		
	Agency Energy Savings		11%	
	Natural Gas Savings	8%		
	Sustainability Best Practice Activities		2016	





Energy Efficiency and Conservation Activity

Level	Energy Efficiency and Conservation Activity	Reported
Silver	1. Through the Powell Street Electrical Energy Conservation Project (PSEEC), the city replaced its streetlights with LED luminaires starting in 2011. The project aimed to reduce the city's carbon footprint, conserve energy, and reduce expenditures. So far 442 cobrahead streetlights have been converted to LED and there are plans to convert the majority of the Lumec lamps to LED. RFP for PSEEC, 3/26/11 : www.ci.emeryville.ca.us/DocumentCenter/Home/View/1434	2016

Level	Energy Efficiency and Conservation Activities	Reported
Gold	1. The city converted all desktop computers in 2011 to a centralized data center to reduce energy from computer towers. The estimated annual savings are 168,790.56 kWh or \$9931.58. 2015 SEP p49 : http://www.ci.emeryville.ca.us/documentcenter/view/8795 2. The city upgraded all its traffic signal lights with more efficient LED lighting. 2015 SEP, p6 : http://www.ci.emeryville.ca.us/documentcenter/view/8795	2016

Level	Energy Efficiency & Conservation Activities	Reported
Platinum	1. Between 2010 and 2012, the city partnered with Rising Sun Energy Center to offer free energy conservation services and hardware to residents and small business owners through California Youth Energy Services (CYES). Rising Sun held discussions with homeowners, renters, and property managers at Earth Day celebrations. Rising Sun provided high school students with summer jobs in energy efficiency retrofitting. 2015 SEP p6 : http://www.ci.emeryville.ca.us/documentcenter/view/8795	2016





Energy Efficiency and Conservation Activity

Level	Energy Efficiency & Conservation Activities	Reported
Platinum	<p>2. The City of Emeryville, along with Berkeley and Oakland, approved \$400,000 in grant funding to participate in a PG&E Innovator Pilot studying energy efficiency in multi-family housing. The goal of the Multifamily Energy Efficiency Project was to eliminate barriers to implementing energy efficiency retrofits. The project led to a draft building energy ordinance policy for commercial and multifamily buildings. Nov 2010 Memo : http://www.ci.emeryville.ca.us/ArchiveCenter/ViewFile/Item/668</p> <p>3. The city participated in the School and Municipal Advanced Retro-commissioning and Tune-up (S.M.A.R.T) Program building analysis for Civic Center building during the summer of 2015. The program offered no-cost professional services in two phases: (1) optimizing an economizer control and rescheduling lighting, and (2) reducing zone level airflows. The completed projects resulted in over 100,000 kWh in annual energy savings. SEP Appendix 4, 5 : http://www.ci.emeryville.ca.us/documentcenter/view/8795</p>	2016





Water & Wastewater Systems Activity

Level	Water & Wastewater Systems Activity	Reported
Silver	<ol style="list-style-type: none"> The city adopted a vegetated stormwater management ordinance in 2007 that would amend Chapter 13 of Title 6 of the Emeryville Municipal Code. The revisions would achieve compliance with the city's 2003 National Pollution Discharge Elimination System permit, reference the Stormwater Guidelines for Green, Dense Redevelopment, and require vegetative treatment measures where feasible. 2007 MOU to City Manager p1 : http://www.ci.emeryville.ca.us/documentcenter/view/303 	2016

Level	Water & Wastewater Systems Activities	Reported
Gold	<ol style="list-style-type: none"> In 2011, the city adopted a water-efficient landscape ordinance (WELO) based on the California Department of Water Resources model ordinance. The ordinance requires sustainable landscapes through Bay-friendly landscaping and gardening, and applies to new construction and rehabilitated landscapes with areas greater than or equal to 1000 square feet. 2011 Staff Report p1 : http://www.ci.emeryville.ca.us/documentcenter/view/1599 The city participated in East Bay Municipal Utility District's East Bayshore Recycled Water Project, which supplied recycled water for irrigation in parts of Emeryville and Oakland. The recycled water pipeline is currently being constructed in Emeryville and is funded through California State Department of Water Resources via EBMUD. http://www.ebmud.com/about-us/construction-my-neighborhood/recycled-water-pipeline-shellmound-christieemeryville/ 	2016

Level	Water and Wastewater Systems Activities	Reported
Platinum	<ol style="list-style-type: none"> The city requires design and operation measures to protect stormwater quality, including through the use of low impact design (e.g. bioretention basins, biofiltration swales). 	2016





Water & Wastewater Systems Activity

Level	Water and Wastewater Systems Activities	Reported
Platinum	<ol style="list-style-type: none"><li data-bbox="345 569 1282 674">2. The city has a bay-friendly landscaping program for commercial landscapes. www.ci.emeryville.ca.us/340/Water-Conservation-Bay-Friendly-Landscape<li data-bbox="345 674 1282 877">3. As part of the 2015-2016 REV Sustainability Circle, the city proposed to audit water irrigation equipment to find inefficiencies. Scoping out the feasibility of the equipment was undertaken as part of the 2016 EBEW Municipal Implementation Team Program. 2016 City Sustainability Action Plan www.ci.emeryville.ca.us/1085/City-Sustainability-Action-Plan .	2016





Green Building Activity

Level	Green Building Activity	Reported
Silver	1. In 2013, the city adopted planning regulations that provides bonuses for private projects eligible for LEED platinum, gold, or silver certification.	2016

Level	Green Building Activities	Reported
Gold	<ol style="list-style-type: none"> The city adopted a policy that new municipal buildings be LEED silver-certified and Stopwaste.org Bay Friendly Landscape Guidelines verified. 2015 SEP p6 : http://www.ci.emeryville.ca.us/documentcenter/view/8795 The city participated in the SmartLights program at city hall and replaced all the lights with more efficient LED lighting in fall 2015. PG&E is currently helping staff monitor the energy savings. SEP Appendix 4, 5 : www.ci.emeryville.ca.us/documentcenter/view/8795 	2016

Level	Green Building Activities	Reported
Platinum	<ol style="list-style-type: none"> The city's planning and building department continues to require that developers submit a scorecard summary from either Stopwaste.org's "Green Points" rating system or the U.S. Green Building Council's LEED checklists prior to the issuance of a building permit for new residential and commercial development. 2015 SEP p6 : www.ci.emeryville.ca.us/documentcenter/view/8795 In 2016, the city proposed to install EV chargers at the city hall as part of the city sustainability action plan through the REV Sustainability Circle. 2016 City Sustainability Action Plan www.ci.emeryville.ca.us/1085/City-Sustainability-Action-Plan 	2016





Green Building Activity

Level	Green Building Activities	Reported
Platinum	<p>3. The Public Market Emeryville secured a preliminary development plan/ EIR approval in 2008 from the city for an addition one million square feet of new development added to the existing 260,000 square foot existing office/retail mixed use project on 14 acres over 20 years. The project objective was to create a high-density transit-oriented development adjacent to the Emeryville AMTRAK station. In 2008, the project was designated as a LEED ND Platinum Plan and recognized by the Greenbelt Alliance and the Bay Area Council as an exemplary infill project. In 2010, the State of California designated public market as a gold level catalyst community and awarded the project a \$1.35 million grant. The project's first phase, 190 apartment units, was also awarded a \$5 million grant by the California Pollution Control Finance Authority for brownfield cleanup and a \$3.1 million housing affordability grant by the city. The catalyst goal was to reduce emissions by 30% below business as usual through traffic planning elements (transit hub near affordable housing and jobs, transportation demand management), LEED Platinum certification, green roof designs, innovative solid waste collection, and water conservation features. California Department of Housing and Community Development: Catalyst Projects for California Sustainable Communities http://www.hcd.ca.gov/housing-policy-development/catalyst_summaries082510.pdf</p>	2016





Waste Reduction and Recycling Activity

Level	Waste Reduction Activity	Reported
Silver	1. The city implements multi-stream recycling throughout the city. It conducted outreach and education efforts to residents and businesses.	2016

Level	Waste Reduction Activities	Reported
Gold	<ol style="list-style-type: none"> In 2008, the city adopted an eco-foodware ordinance, which requires all food vendors who use disposable food service ware to switch to compostable or recyclable service ware. The ordinance covers all food prepared within the city for eventual sale either inside or outside of the city limits. www.ci.emeryville.ca.us/DocumentCenter/Home/View/333 In 2013, the city adopted a reusable bag ordinance. It prohibits the distribution of single-use carryout plastic bags at the cash register at retail stores, and charges a minimum of 10 cents for every paper or plastic reusable carryout bag provided at the cash register. http://reusablebagsac.org/ 	2016

Level	Waste Reduction Activities	Reported
Platinum	<ol style="list-style-type: none"> A construction and demolition ordinance requires that contractors of all demolition and construction projects with valuation of over \$50,000 or over 1,000 square feet recycle or reuse at least 50% of all debris generated by a project. www.ci.emeryville.ca.us/737/Construction-Demolition-Waste In 2014, the city adopted Alameda County's mandatory recycling ordinance, which requires that all businesses and multi-family properties of five or more units implement recycling. Collection services, distribution of information, and limited contamination are required. www.recyclingrulesac.org/ordinance-overview/ The Free Commercial Container Program provides free or subsidized containers for recycling, compostables, or trash, depending on the size of the business and the amount of waste generated per week. www.ci.emeryville.ca.us/DocumentCenter/Home/View/1968 	2016





Climate-friendly Purchasing Activity

Level	Climate-Friendly Activity	Reported
Silver	1. The city purchased hybrid vehicles for its fleet. Currently there are two hybrids and one electric vehicle in use with the fleet. 2009 CAP Emissions Reduction Measures p D-3 : http://www.ci.emeryville.ca.us/documentcenter/view/663	2016

Level	Climate-Friendly Activities	Reported
Gold	1. In 2016, the city formed a Green Team to talk about environmental preferable purchasing. 2016 City of Emeryville Sustainability Action Plan http://www.ci.emeryville.ca.us/1085/City-Sustainability-Action-Plan 2. In 2015, the city staff started an administrative instruction program for staff regarding environmentally preferable purchasing. 2015 General Plan Progress Report p A-10 : http://www.ci.emeryville.ca.us/documentcenter/view/8645 .	2016

Level	Climate-Friendly Activities	Reported
Platinum		2016





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 systems at four facilities from 2005: the civic center, the police station, and fire station 34. The solar panels at the civic center give an average monthly energy savings of 14% from 2006-2012. 2015 SEP p6 : www.ci.emeryville.ca.us/documentcenter/view/8795 	2016

Level	Renewable Energy and Low Carbon Fuels Activity	Reported
Gold	<ol style="list-style-type: none"> The city eliminated design review requirements and reduced building permit fees for solar PV installations on single-family homes. 2015 SEP p6 : www.ci.emeryville.ca.us/documentcenter/view/8795 The city adopted planning regulations in 2013 that offer bonus rewards for electric vehicle charging stations. 2014 Potential Constraints p 3-8 : www.ci.emeryville.ca.us/documentcenter/view/7811 	2016

Level	Renewable Energy and Low Carbon Fuels Activity	Reported
Platinum	<ol style="list-style-type: none"> Planning regulations provide density, floor area ratio and height bonuses for projects integrating zero net energy. Emeryville Municipal Code Section 9-4.204 In 2016, the city proposed to install solar panels and improve efficiency on the heating furnace at the child development center as part of the city sustainability action plan through the REV Sustainability Circle. Scoping out the feasibility of the child development center upgrades was undertaken as part of the 2016 EBEW Municipal Implementation Team Program. 2016 City Sustainability Action Plan http://www.ci.emeryville.ca.us/1085/City-Sustainability-Action-Plan 	2016





Efficient Transportation Activity

Level	Efficient Transportation Activity	Reported
Silver	1. In 2014, the city was voted the “Most Walkable City” in the East Bay by the East Bay Economic Development Alliance, based on proximity to amenities, block length, etc Oct 2014 Bicycle Pedestrian Advisory Committee Meeting p2 : http://www.ci.emeryville.ca.us/ArchiveCenter/ViewFile/Item/2014	2016

Level	Efficient Transportation Activities	Reported
Gold	<p>1. In 2015, the city completed a safer routes to transit project including the city’s first bicycle activated turn signal, new crosswalks, and median refuge, curb extensions and striping and signage assisting pedestrians and cyclists access the 40th St. Transit Hub and the Macarthur BART station. In this same year the city completed a One Bay Area Grant to close a pedestrian and cyclist gap on the Bay Trail with a two block cycle track by converting vehicle lane to a curb separated pathway, with the city’s second bicycle signal. In 2015 the city also continued Safe Routes to School programming at its public and private elementary schools, with construction of Safe Routes to School safety improvements to be built in 2016. These include two intersections to be protected by rapid rectangular flashing beacons, curb extension, median refugees and signal timing alterations to promote walking and biking to Emeryville’s two public school facilities and a private school. In 2016, the city will build the next segment of it dedicated pathway converted from old railways – the Emeryville greenway which will include bay friendly landscaping, a windmill, recycled material, and permeable pavers. In 2017 this segment will be connected by a new park Horton Landing to the, to be constructed South Bayfront Bicycle and Pedestrian Bridge, in commission now. Future projects include the incorporation of bicycle and pedestrian ramps over I80 at the Ashby Interchange, fully funded by a county sales tax measure and the Transit Center to accommodate bus to rail interface serving San Francisco. April 2015 CAP Presentation Final ppt, slide 6 : http://www.ci.emeryville.ca.us/documentcenter/view/7938</p> <p>2. Starting in 2007, the city has offered the free Emery-Go-Round shuttle service. More than 1.6 million passengers used the free service in 2014. The service won an EPA award. April 2015 CAP Presentation Final ppt, slide 6 : http://www.ci.emeryville.ca.us/documentcenter/view/7938 http://emerygoround.com/index.html</p>	2016





Efficient Transportation Activity

Level	Efficient Transportation Activities	Reported
Platinum	<ol style="list-style-type: none"> 1. The city adopted planning regulations in 2013 that included a bonus for transportation demand management. Transportation demand management involved shifting to modes of transport such as bicycling and walking. The city installed bike racks, lockers, and fix-it stations. 2014 Housing Element p21: www.ci.emeryville.ca.us/documentcenter/view/7813 2. In November 2008, the city adopted an ordinance to require bike-parking in new developments. www.ci.emeryville.ca.us/documentcenter/view/1006 3. In 2016, the city started a clipper card check out system for employees to use for work trip commutes so that they can use public transit during work. 2016 City Sustainability Action Plan www.ci.emeryville.ca.us/1085/City-Sustainability-Action-Plan 	2016





Land Use and Community Design Activity

Level	Land Use and Community Activity	Reported
Silver	1. The Emeryville Pedestrian and Bicycle Plan is set between 2012 and 2020. The Bicycle and Pedestrian Advisory Committee guided development of the plan with public input. The Plan aims to provide community members a diversity of transportation choices through safe pedestrian and bicycle linkages, which support an active and healthy lifestyle.	2016

Level	Land Use and Community Activities	Reported
Gold	<ol style="list-style-type: none"> 1. The city increased stewardship of trees 18.5% between 2004 and 2015, for a total of 4000 street trees. April 2015 CAP Presentation Final ppt, slide 9: www.ci.emeryville.ca.us/documentcenter/view/7938 2. The city created a climate resilient street tree list including species with high carbon sequestration capacity and drought tolerance for developers and architects to reference for new development sites. www.ci.emeryville.ca.us/1086/Climate-Resilient-Street-Trees 	2016

Level	Land Use and Community Activities	Reported
Platinum	<ol style="list-style-type: none"> 1. The city passed a tree preservation and sidewalk repair ordinance in 2003. Public Works doc, p 7-38: www.ci.emeryville.ca.us/documentcenter/view/337 2. The city is currently constructing the Amtrak Transit Center, an integrated transit center with connections to different transit modes. This is the first of several transit hubs planned. 2012 Emeryville Sustainable Transportation Plan www.ci.emeryville.ca.us/DocumentCenter/Home/View/1662 	2016





Land Use and Community Design Activity

Level	Land Use and Community Activities	Reported
Platinum	<p>3. In 2015 Emeryville remediated an affordable housing site at 3706 San Pablo with support from the US EPA and former redevelopment agency. The site which will be developed as 100% affordable Housing was awarded one of the state's first Affordable Housing And Sustainable Communities awards including transit passes and streetscape improvements on 40th Street. This site is adjacent to the safe routes to transit improvements. 3706 San Pablo will be LEED certified, some of the green features include solar panels, car sharing, and electric vehicle charging stations. This project is scheduled to open Summer 2018. The city also applied for a Communitywide Assessment Grant for Affordable housing sites within a ¼ mile of transit stations. 2015: 3706 San Pablo Avenue Affordable Housing Ground Lease Disposition and Development Agreement between the City of Emeryville and EAH, Inc.</p>	2016





Open Space and Offsetting Carbon Emission Activity

Level	Open Space Offsetting Carbon Emission Activities	Reported
Silver	1. The city has a Bay Friendly Gardening Program for residential gardens. www.ci.emeryville.ca.us/340/Water-Conservation-Bay-Friendly-Landscape	2016

Level	Open Space Offsetting Carbon Emission Activities	Reported
Gold	<ol style="list-style-type: none"> 1. Planning Regulations require that multi-family projects provide 60 square feet of open space per dwelling or live/work unit (Section 9-4.303). There are three types of open space: private space, common space, and publicly accessible space. 2. The city runs brownfields programs, funded through an US EPA grant, which has cleaned up 240 acres of land with substantial soil and groundwater contamination. These measures have provided regulatory relief, greater cost certainty for stakeholders, and have protected the ecological resources of San Francisco Bay www.ci.emeryville.ca.us/221/Brownfield-Program Emeryville General Plan, Sustainability Element p 7-3: www.ci.emeryville.ca.us/documentcenter/view/1014 	2016

Level	Open Space Offsetting Carbon Emission Activities	Reported
Platinum	<ol style="list-style-type: none"> 1. The city has developed the Emeryville Greenway, which is a series of pedestrian and bike paths intended to provide more connectivity within the city. The north/south Greenway links northeastern residential neighborhoods and new residential developments throughout the city with open spaces and activity centers. www.ci.emeryville.ca.us/663/Emeryville-Today-1990s-to-2000s 2. Planning Regulations gives density, floor area ratio and height bonuses for public open space - Emeryville Municipal Code Section 9-4.204 	2016





Promoting Community and Individual Action Activity

Level	Promoting Community and Individual Action Activities	Reported
Silver	1. Bike to Work Day is a recurring annual event to raise awareness of transportation alternatives while sparing the air. Energizer Stations are set up at four locations throughout Emeryville. Between 2004 and 2014, there was 1677% increase in Bike to Work Day participants www.ci.emeryville.ca.us/333/Bike-Pedestrian	2016

Level	Promoting Community and Individual Action Activities	Reported
Gold	1. On April 23, 2016, the city held their annual Emeryville Shoreline Cleanup at Shorebird Park. Forty-two volunteers participated in the cleanup. www.ci.emeryville.ca.us/192/Earth-Day-Celebration 2. Twenty-five businesses are Green Business-certified through the ongoing Bay Area Green Business Program. www.ci.emeryville.ca.us/330/Green-Business-Program	2016

Level	Promoting Community and Individual Action Activities	Reported
Platinum	1. Since 2009, Emeryville has commissioned local artists to install temporary art at four bus shelters that feature local flora and fauna with implicit conservation message associated with the beautiful expression of locally found species. Some works include found materials and recycled products in the imagery. Emeryville has commissioned a work of public to reflect the vulnerability of human habitation to sea rise and habitat vulnerability to human impact – the project is on hold pending soil stabilization and shoreline protection but will include the recycling of oyster shells into concrete for seating walls embedded into mounds reminiscent of the Ohlone people’s presence on the shoreline. The city is undertaking a Public Art Master Plan and may incorporate environmental principles in new commission particularly around celebrating Temescal Creek. emeryvillepublicart.com/ www.ci.emeryville.ca.us/810/Bus-Shelter-Public-Art-Program	2016





Promoting Community and Individual Action Activity

Level	Promoting Community and Individual Action Activities	Reported
Platinum	<p>3. The city is participating in the launch of Bay Area BikeShare, a regional bike sharing program for the community. Approximately 100 bikes and three stations will be installed within the city by the end of 2016, with more to come in the Phase 2 and 3 of the program. Individuals can rent bikes for 30 min intervals as a way to reduce their transportation carbon footprint www.bayareabikeshare.com/</p> <p>4. In 2016, the city launched its sustainability website, which has resources for the community on water, climate change, energy, transportation, waste, food, green buildings, businesses, money saving measures, and various city plans. www.ci.emeryville.ca.us/1053/Sustainability</p>	2016





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