

PROUD
PARTICIPANT



Local Leadership Toward
Solving Climate Change

County of Sonoma

Best Practice Activities & Accomplishments to Date

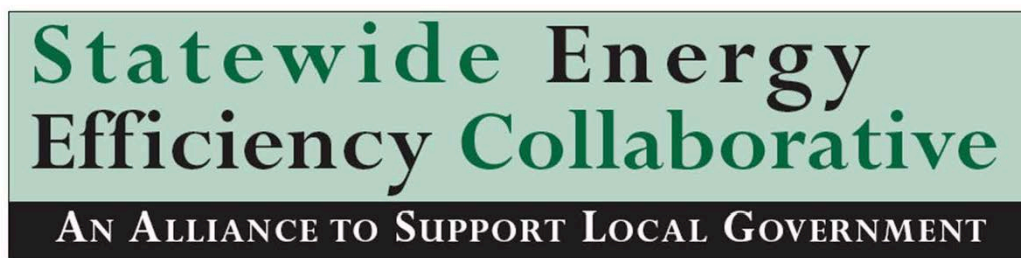
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About This Document

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	1. Comprehensive Energy Project: Cash neutral from day one, this project will reduce utility bills by 33%, \$1.6 million per year, with a savings of \$38 million over the 25-year life of the project. 38 energy efficiency measures were completed in 24 county owned buildings including lighting retrofits in 20. HVAC upgrades in 4; a major upgrade of the central mechanical plant. The County received a Challenge Award from the California State Association of Counties in October 2012 for this project.	11-2011
Gold	1. Since 2010, Sonoma County Energy Watch (SCEW), a local government partnership with Pacific Gas and Electric Company has helped customers save over 6,600,540 kWh/yr and 1,700 tons of CO ₂ , enough to power 330 homes for a year. This has created an annual savings of approximately \$890,000 each year. 2. The County is currently retrofitting 75 parking lot lighting fixtures to LEDs through PG&E's On-Bill Financing (OBF) program, 64 of which will be "bi-level" motion sensors incentivized through the ETAP program. The project which will save the County approximately \$18,000 per year.	11-2011
Platinum	1. The City of Healdsburg partnered with the Sonoma County Energy Independence Program (SCEIP) to support the City and its municipal electric utility's energy efficiency program goals. SCEIP provides oversight to the City's activities and efforts with regard to the administration, development, management, evaluation, and promotion of energy efficiency programs.	02-2013

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	2. <i>TBD</i> 3. <i>TBD</i>	
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2. Water & Wastewater Systems

Level	Completed Activities	Reported
Silver	1. As part of the Comprehensive Energy Project (CEP), water retrofits at the Main Adult Detention Center (MADF) and Juvenile Justice Center (JJC) save over one million gallons of water per month.	11-2011
Gold	1. The Sonoma County Energy Independence Program, in partnership with the Town of Windsor and other local entities launched a pilot on-water bill financing program called Windsor Pay As You Save, or Windsor PAYS. The program provides water and energy savings upgrades for Windsor residential properties that provide immediate utility bill savings, new water/energy savings appliances, and drought resistant landscaping with no upfront cost or debt. Windsor PAYS received an Honorable Mention as a promising program by ACEEE and the Alliance for Water Efficiency (AWE) in January 2013. 2. <i>TBD</i>	02-2013
Platinum	1. <i>TBD</i> 2. <i>TBD</i> 3. <i>TBD</i>	



3. Green Building

Level	Completed Activities	Reported
Silver	1. On August 23, 2010 Sonoma County's Valley of the Moon Children's Home Phase 3 Addition was awarded Silver Certification in Leadership in Energy and Environmental Design (LEED) by the United States Green Building Council. This award reflects the first county building in Sonoma County to achieve such status and demonstrates the County's ongoing leadership in sustainability. To attain LEED certification, the project successfully managed construction waste, recycled over 95% of waste materials, incorporated elements that encourage the use of alternate transportation, decreased night time light pollution, increased the use of natural light, decreased storm water runoff and overall water use, and assimilated systems and designs that will optimize energy use year after year.	11-2011
Gold	1. The County's Permit and Resource Management Department has adopted CALGreen Tier 1 standards and is preparing for the coming of the International Green Construction Code (IGCC). 2. <i>TBD</i>	11-2011
Platinum	1. <i>TBD</i> 2. <i>TBD</i> 3. <i>TBD</i>	



4. Waste Reduction & Recycling

Level	Completed Activities	Reported
Silver	1. A pilot composting program at Sonoma County detention facilities is the first “vermiculture” composting (worm farm) program in a detention facility in the state. Approximately 1,200 pounds of food waste per month is being diverted from the waste stream at the Main Adult Detention Center (MADF) and the North County Detention Facility (NCDF) kitchens. This program is located at NCDF and is managed as part of the jail industries program with a potential benefit of reducing inmate recidivism as they learn how to be “green”.	11-2011
Gold	1. The Sonoma County Waste Management Agency expanded a residential fluorescent lamp take-back program with PG&E by adding several drop-off sites throughout the County. 2. The Sonoma County Waste Management Agency (SCWMA) released a draft Environmental Impact Report examining the impacts of a proposed ordinance on carryout single-use plastic bags. The report is on the SCWMA website and is open for public comment through March 22, 2013. The proposed ordinance could go into effect as early as July 2013.	02-2012 02-2013
Platinum	1. <i>TBD</i> 2. <i>TBD</i> 3. <i>TBD</i>	



5. Climate-Friendly Purchasing

Level	Completed Activities	Reported
Silver	1. Sonoma County's Environmentally Preferable Purchasing policy gives the County the ability to award bids to green vendors or for green products if they are within 5% of the lowest bid. To be certified green, the vendor must meet independent third party certification.	11-2011
Gold	1. The County also allows local vendors within 5% of the lowest bid a chance to match the bid, recognizing that using local vendors often means a reduction in the carbon footprint associated with long distance travel and that local vendors help support our local economy. 2. The Purchasing Department's Surplus program has helped the County to reuse approximately 435 surplus items since July 2010, and has saved approximately \$70,000 since July 2010 by using and re-using surplus office supplies and furniture. Surplus has also donated roughly 255 items to non-profit organizations since July 2010.	11-2011 11-2011
Platinum	1. TBD 2. TBD 3. TBD	



6. Renewable Energy & Low-Carbon Fuels

Level	Completed Activities	Reported
Silver	1. The County installed a 750 kW solar array at the Juvenile Justice Center (JJC) Photovoltaic Solar Array , which provides approximately 55% of the electric power. The 3,190 roof and ground mounted American-made panels are designed to generate more than 1.1 M kWh per year and save the County about \$137,000 per year.	11-2011
Gold	1. The County installed an additional 706kW PV system at the JJC through a Power Purchase Agreement. Together with the previously installed system and several energy efficiency upgrades, the County's Los Gullicos campus is now one of the first, if not the first, zero net electricity municipal campuses in the State of California.	2-2013
	2. As part of the Comprehensive Energy Project, the County installed a 1.4 MW fuel cell cogeneration power plant . The fuel cell has been designated "Ultra Clean" by the California Air Resources Board (CARB), meets approximately 90% of the County Center's electricity needs, generates over 10,000 kWh/year, produces 45 billion BTU's per year, and reduces GHG emissions by 69% as compared to power from the grid.	11-2011
Platinum	1. Sonoma County Energy Independence Program (SCEIP) is the leading Property Assessed Clean Energy (PACE) program in the nation. It provides financing paid back through the property tax system and enables property owners to make responsible and affordable energy improvements, stimulates the local economy, continues to create green jobs, and improves home values. Over \$59	11-2011



	<p>million has been disbursed for the more than 1,800 completed projects since 2009, leading to over 730 job-years created/retained, 76 of which are in installation of the upgrades, over 5.6MW of solar PV financed, and over 3,200 tons reduction in greenhouse gas emissions annually.</p> <p>2. The County completed a Community Choice Aggregation feasibility study in the fall of 2011. Per the Board of Supervisors, the County is currently developing more detailed information about governance structures, Investigating the incorporation of significant new energy efficiency in order to reduce rates, evaluating varying “power mixes” to optimize the greenhouse gas emissions reductions and keep rates low, and exploring the idea of working with the Marin Energy Authority as a way to minimize program start-up costs. Read more.</p> <p>3. The County of Sonoma has entered into a one-year direct access agreement with 3 Phases Renewables to deliver 100% renewable power to County facilities. A mix of electricity generated by 85% wind and 15% biomass will power seven County facilities in Santa Rosa and Petaluma throughout 2012. This power purchase agreement helps to further the County’s ambitious climate protection goals by eliminating an estimated 1,383,190 pounds of CO2 annually – the equivalent of avoiding 70,337 gallons of gasoline.</p>	<p>11-2011</p> <p>02-2012</p>
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7. Efficient Transportation

Level	Completed Activities	Reported
Silver	1. The County is converting its vehicle fleet to electrical and hybrid vehicles . We have 9 plug-in vehicles and over 200 hybrids. The County of Sonoma was recognized in June 2011 as the most electric vehicle ready community in the Bay Area. Fleet Manager, Dave Head, was awarded "Sustainability All-star" by Green Fleet Magazine , an online and print publication dedicated to sustainable fleet operations nationwide.	11-2011
Gold	1. Installing a vehicle charging station infrastructure including 18 EV charging stations. The EV charging stations are located throughout Sonoma County at both County-owned and leased facilities. Some stations are for County use only; others are for both public and county use. 2. The County has partnered with the nonprofit Climate Protection Campaign and the Sonoma County Transportation Authority to implement a real-time ridesharing pilot program for County employees and the residents that utilizes smart phone technology to reduce VMTs.	11-2011 11-2011
Platinum	1. The County revised its free bus pass program to offer free transit passes to all Sonoma County employees regardless of work site, trip purpose or employment classification (permanent, temporary, volunteer). Employees may board any Sonoma County Transit bus by presenting a valid County identification badge to a bus operator. Trips are recorded and the County is billed for the number of trips taken at an agreed upon per-ride fare.	02-2013



	<p>2. The County is in the process of procuring and installing 28 electronic bicycle lockers at the main county administration center. The lockers are funded through a grant from the BAAQMD and MTC and are expected to be available for public use in May 2013 in conjunction with the annual Bay Area Bike to Work Day celebration.</p> <p>3. <i>TBD</i></p>	<p>02-2013</p>
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8. Land Use & Community Design

Level	Completed Activities	Reported
Silver	<ol style="list-style-type: none"> In December 2011, the Sonoma County Agricultural Preservation and Open Space District approved a \$215,000 grant to LandPaths for site development of the City of Santa Rosa's Bayer Neighborhood Park and Garden under the Matching Grant Program. The Project seeks to improve the health of Sonoma County residents by connecting people and resources to grow their own food in service of creating a vibrant, resilient, and sustainable food system. 	02-2012
Gold	<ol style="list-style-type: none"> Energy & Sustainability staff is assisting the Permit and Resource Management Department (PRMD) to update the Development Code for energy efficiency and renewable energy. Within the development code update, staff and a consultant have completed a GHG in lieu fee study to assist developers and the County with AB 32 requirements that projects not exceed a GHG emissions threshold of 1100 tons. In January 2013, the Permit and Resource Department (PRMD) launched the PRMD Citizen's Academy, a series of lunchtime meetings on the planning and permitting process in an effort to present information to interested parties to help them more effectively navigate the permitting process. The sessions will provide crucial information and offer attendees an opportunity to share ideas on improving the process and customer service. 	03-2012 02-2013
Platinum	<ol style="list-style-type: none"> TBD TBD 	

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	3. <i>TBD</i>	
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9. Open Space & Offsetting Carbon Emissions

Level	Completed Activities	Reported
Silver	<ol style="list-style-type: none"> On May 10, 2011, the Sonoma County Board of Supervisors launched an innovative partnership with a host of local non-profits to create and operate the first ever community food garden located on Larson Park, part of Sonoma County Regional Parks system. The action caps a long term effort to harness public and private resources to create easier access to healthy locally grown foods. 	02-2012
Gold	<ol style="list-style-type: none"> Hosted the first ever Sonoma County Food Forum to provide an opportunity for diverse stakeholders to come together and propose policy recommendations that will support local agriculture for consideration by the Board of Supervisors. 	02-2012
	<ol style="list-style-type: none"> In April 2011, the Sonoma County Board of Supervisors funded the final phase of improvements for the Riverkeeper Stewardship Park in Guerneville. The \$128,500 in redevelopment monies funded construction of 3,500 square feet of trails, educational facilities, and an interpretive center; provide native plant re-vegetation and landscaping; and complete construction planning for adjacent properties in need of improvement. 	02-2012
Platinum	<ol style="list-style-type: none"> The Sonoma County Board of Supervisors directed the County's Regional Parks Department to begin negotiations for the temporary management of Annadel State Park. If approved, the County could assume management of Annadel on July 1, 2012. Annadel and four other state parks in the County are scheduled to close July 1st due to state budget 	02-2012



	cuts targeting 70 California parks.	
	2. Sonoma County's Open Space District and the City of Healdsburg finalized a deal to purchase and manage the 199 acres atop Fitch Mountain in Healdsburg for public recreation use such as hiking and biking. A comprehensive management plan is being developed to include elements such as neighborhood and community involvement, trail development, reduction of invasive species, fire prevention and public safety planning.	02-2013
	3. Sonoma County's Regional Parks opened a new 2.4-mile trail in the Laguna de Santa Rosa for hiking and bicycle use through the unique landscape of Sonoma County's largest freshwater wetland. Future trail segments of the envisioned 12-mile multi-use and pedestrian-only trail will be completed when funding is available.	02-2013



10. Promoting Community & Individual Action

Level	Completed Activities	Reported
Silver	<ol style="list-style-type: none"> In July 2011, the County launched the Healthy Business Recognition Program, a voluntary certification program that recognizes employers for developing and implementing exceptional employee wellness programs, and is aimed at helping establish a culture of wellness in the workplace throughout Sonoma County. 	02-2012
Gold	<ol style="list-style-type: none"> Sonoma County Regional Parks and iGROW Sonoma are offering a series of low and no-cost gardening workshops this spring and summer to help residents learn about soil care, planting techniques, irrigation and other fundamentals. In collaboration with PG&E, Energy Upgrade CA, Solar Sonoma County, and the cities of Santa Rosa and Petaluma, we launched the Energy Smart Business Program - a pilot direct mail and saturation campaign to help business owners decrease energy, water and waste costs. 	02-2012 02-2012
Platinum	<ol style="list-style-type: none"> Sonoma County received recognition by the National Association of Counties (NaCo) for implementing its iWORKwell recognition program, a voluntary certification program that recognizes private employers for developing and implementing exceptional employee wellness programs. The County is working with several local partners to develop a "Greentivities" exhibit hall at the 2013 County Fair. The exhibit is intended to attract, entertain and educate fairgoers on different aspects of sustainability including energy 	02-2013 02-2013

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	efficiency, renewables, food, transportation, waste water, and many more. 3. <i>TBD</i>	
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Accomplishments to Date
 (As of 4/2/2013)

CRITERIA	AWARD LEVELS		
	SILVER	GOLD	PLATINUM
Agency Facilities			
GHG Reductions	5%	10%	20%* *Calculated reductions in the energy and transportation sectors from 2000 levels.
Electricity Savings	5%	10%	-
Natural Gas Savings	-	-	-
Community			
GHG Reductions	-	-	-
Activity Promoting Energy Efficiency	-	-	-
Best Practice Areas			
Completed Activities in Each Area	1	-	-