

PROUD  
PARTICIPANT



Local Leadership Toward  
Solving Climate Change

# City of Chula Vista

## Beacon Award

### Accomplishments to Date and Best Practice Activities

#### Accomplishments to Date

(As of 9/22/11)

CRITERIA	AWARD LEVELS		
	SILVER	GOLD	PLATINUM
<b>Agency Facilities</b>			
GHG Reductions	-	-	-
Electricity Savings	-	-	-
Natural Gas Savings	-	-	-
<b>Community</b>			
GHG Reductions	-	-	-
Activity Promoting Energy Efficiency	-	-	-
<b>Best Practice Areas</b>			
Completed Activities in Each Area	1	3	-



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## 1. Energy Efficiency & Conservation

Level	Completed Activities	Reported
Silver	1. Retrofitting over 1,700 outdoor light fixtures at over 50 municipal sites with induction technology which will eventually generate 545,000 kWh in annual energy savings.	09-2011
Gold	1. Converting 4,200 streetlights along residential roadways to LED technologies, which reduces energy use and improves light quality for public safety purposes.  2. The City's Home Upgrade, Carbon Downgrade program has provided over 1,900 rebates to local community members (using ARRA funds) for replacing their old home appliances with more energy efficient models.	09-2011  09-2011
Platinum	1. Distributed almost \$100,000 in incentives to residents to support whole-home retrofits through Home Upgrade, Carbon Downgrade under the statewide Energy Upgrade California.  2. Installed new high-efficiency condensing boilers at both municipal aquatic centers generating over 30,000 therms in annual energy savings.  3. Upgraded the heating and air conditioning system at the Chula Vista Public Works Corp Yard generating over 300,000 kWh in annual energy savings.	09-2011  09-2011  09-2011



## 2. Water & Wastewater Systems

Level	Completed Activities	Reported
Silver	1. City is proposing an ordinance to require pre-plumbing in new residential homes for single-source (Laundry-to-Landscape) graywater systems	09-2011
Gold	1. Developing a "Water Reuse Resource Guide" to help educate community members about safe, effective ways to install graywater and rain harvesting systems.	09-2011
	2. In partnership with San Diego Gas & Electric, distributed over 500 indoor water savings kits to residents through City-sponsored events.	09-2011
Platinum	1. Over 350 residential, business, and school properties have participated in the City's sustainable landscaping program ("NatureScape").	09-2011
	2. Chula Vista is the largest city in California to receive certification through the National Wildlife Federation's 'Backyard Habitat' campaign, which promotes wildlife and water-friendly landscaping.	09-2011
	3. The City's new Landscape Water Conservation Ordinance establishes water budgets for new construction and major renovation projects, which emphasize water-wise plants and high efficiency irrigation systems.	09-2011



### 3. Green Building

Level	Completed Activities	Reported
Silver	1. Adopted mandatory Green Building Standard. Only jurisdiction within San Diego County to do so. Since its inception in 2010, 630 new residential and commercial units have complied with the standards.	09-2011
Gold	1. Adopted "Solar Ready" ordinance requiring residential units be pre-wired and pre-plumbed for solar photovoltaic and solar hot water systems, respectively.	09-2011
	2. Currently completing a cost effectiveness study to determine the feasibility of incorporating "cool" roof and paving standards to help increase energy savings and mitigate the "Urban Heat Island Effect."	09-2011
Platinum	1. The Green Building Standard requires 20% improvement in indoor water conservation for new and renovated buildings.	09-2011
	2. The Green Building Standard requires 15-20% improvement in energy efficiency for new and renovated buildings, energy efficiency, and indoor air quality.	09-2011
	3. The Green Building Standard requires low VOC construction and finishing materials to sustain healthy indoor air quality in new and renovated buildings.	09-2011



#### 4. Waste Reduction & Recycling

Level	Completed Activities	Reported
Silver	1. Created a comprehensive Construction & Demolition Debris ordinance, which requires 100% of inert materials and at least 50% of remaining debris generated from a project to be recycled or reused.	09-2011
Gold	1. Offer Master Composter classes to community members helping to educate them about sustainable landscaping and diverting organic materials from the landfill.	09-2011
	2. Continues to successfully implement numerous reduce, reuse, and recycling initiatives allowing the jurisdiction obtain a % diversion rate.	09-2011
Platinum	1. Completed a pilot project that incorporated recycled asphalt roof shingles into roadway pavement capital projects.  2. TBD  3. TBD	09-2011



## 5. Climate-Friendly Purchasing

Level	Completed Activities	Reported
Silver	1. Adopted Environmental Preferable Purchase Policy.	09-2011
Gold	1. Updated Environmental Preferable Purchase Policy to provide a more effective, streamlined method to ensure that the City is leveraging its "purchasing power" to promote sustainable products/services.  2. Encourage municipal departments to purchase products/services from local businesses enrolled in the City's CLEAN Business recognition program.	09-2011  09-2011
Platinum	1. <i>TBD</i> 2. <i>TBD</i> 3. <i>TBD</i>	



## 6. Renewable Energy & Low-Carbon Fuels

Level	Completed Activities	Reported
Silver	1. Created a Municipal Building Energy Policy requiring new and renovated City buildings to incorporate on-site renewable energy systems to meet at least 20% of building energy demand.	09-2011
Gold	1. Installed a 12,000-gallon biodiesel tank at its public works yard allowing over 125 heavy-duty vehicles to convert to the low carbon fuel source. Performed energy audits of city facilities.	09-2011
	2. The biodiesel fuel is refined from locally-collected used restaurant grease and oil, thus turning a waste product into a valuable resource.	09-2011
Platinum	1. Installed a solar hot water system at the City's main aquatic center drastically reducing natural gas consumption.	09-2011
	2. Using federal stimulus funds, the City has completed installation of over 450 kW of solar photovoltaic systems at 11 facilities over the past year.	09-2011
	3. Worked with City-contracted trash hauler and transit fleets to transition to 100% alternative fuel sources.	09-2011



## 7. Efficient Transportation

Level	Completed Activities	Reported
Silver	1. Implementing a grant from the National Association of Realtors to educate large local employers and professional realtors about alternative commute options, with a special focus on bicycling.	09-2011
Gold	1. Hosted a presentation highlighting the economic, environmental, health, and broader quality of life benefits from bicycling. Attended by over 300 businesses, employees, and realtors.	09-2011
	2. As part of this grant, the City also created its first "Bike Chula Vista: Map & Resource Guide" that included bicycling safety tips and local bike shop information.	09-2011
Platinum	1. In partnership with all 8 bike shops in Chula Vista, over 5,000 bike maps were distributed to community members in less than 6 months.	09-2011
	2. Chula Vista applied for "business-friendly" recognition from the American League of Bicyclists.	09-2011
	3. Updated its Bikeway Master Plan to assess current bicycle infrastructure deficiencies and to plan for 50+ miles of additional bike paths, lanes, and routes.	09-2011



## 8. Land Use & Community Design

Level	Completed Activities	Reported
Silver	1. In coordination with a community stakeholder group, Chula Vista began developing new General Plan, zoning, and operation guidelines for Electrical Generating Facilities (EGF) including peaker power plants, emergency generators, and private facilities.	09-2011
Gold	1. The draft regulations described above would require any new energy generation facility to offset 100% of their greenhouse gas emissions through local energy efficiency and other mitigation projects.	09-2011
	2. The new policy would also incentivize clean and renewable energy sources such as solar, wind, fuel cells, and biogas.	09-2011
Platinum	1. Chula Vista has updated its Air Quality Improvement Plan guidelines to require integration of energy efficient building and transportation design into large development projects (50 or more dwelling units or equivalent).	09-2011
	2. The City's Design Guidelines were updated to emphasize sustainable design features (such as shade trees, water-wise landscaping, passive solar/ventilation, and multi-modal transportation) into smaller development projects (less than 50 dwelling units).	09-2011
	3. For new development projects, Chula Vista requires that all new development projects analyze their GHG emissions and design their projects to exceed "business as usual" by at least 20%.	09-2011



## 9. Open Space & Offsetting Carbon Emissions

Level	Completed Activities	Reported
Silver	1. Adopted Climate Adaptation Strategies, committing the City to ensuring that its open space and wildlife preserves are resilient to expected climate change impacts.	09-2011
Gold	1. Revising the City’s habitat monitoring, management, and restoration protocols to address different climatic conditions in the future.	09-2011
	2. Evaluating opportunities to leverage the emerging “carbon market” as a means to fund the ongoing management and expansion of its urban forests.	09-2011
Platinum	1. <i>TBD</i> 2. <i>TBD</i> 3. <i>TBD</i>	



**10. Promoting Community & Individual Action**

Level	Completed Activities	Reported
Silver	1. Implementing part of a federally-funded grant with the California Center for Sustainable Energy to develop the Chula Vista Community Savings Initiative, a “group buy” program for whole home energy upgrades.	09-2011
Gold	1. Assisted Rancho del Rey residents in selecting (2) preferred Energy Upgrade California contractors, who will offer generous discounts and extended warranties to participating homeowners in their neighborhood through the Initiative.  2. Collaborated with the California Center for Sustainable Energy and San Diego Gas & Electric to develop an Energy Showcase Home providing residents an opportunity to learn firsthand about home energy upgrades.	09-2011  09-2011
Platinum	1. Created and maintain Facebook page for Chula Vista Clean promoting regional sustainability events and opportunities.  2. Under the Free Resource & Energy Business Evaluation (FREBE program), Chula Vista provided approximately 3,000 free energy and water evaluations to businesses as part of the City’s licensing process.  3. Enrolled over 100 local businesses into its CLEAN Business recognition program to highlight their sustainable operations and facilities.	09-2011  09-2011  09-2011