

PROUD
PARTICIPANT



Local Leadership Toward
Solving Climate Change

City of Tulare

Beacon Award

Accomplishments to Date and Best Practice Activities

Accomplishments to Date

(As of 9/22/11)

CRITERIA	AWARD LEVELS		
	SILVER	GOLD	PLATINUM
Agency Facilities			
GHG Reductions	-	-	-
Electricity Savings	5%	10%	-
Natural Gas Savings	-	-	-
Community			
GHG Reductions	-	-	-
Activity Promoting Energy Efficiency	-	-	-
Best Practice Areas			
Completed Activities in Each Area	1	-	-



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1. Energy Efficiency & Conservation

Level	Completed Activities	Reported
Silver	1. The City entered into a Performance Agreement to retrofit all city buildings (wherever there was economic justification) with high efficiency HVAC systems, double pane windows, T5 fluorescent lighting, programmable thermostats and reflective roof coating.	08-2011
Gold	1. The City's 40 signalized intersections, which had been retrofitted earlier with LED bulbs, were retrofitted with 160 T5 fluorescent safety lighting fixtures. 2. A total of 200 downtown HPS (high pressure sodium) decorative lighting fixtures were retrofitted with T5 lighting.	08-2011 08-2011
Platinum	1. The city is a member of the Energy Champion Partnership with Southern California Edison and Southern California Gas Company. 2. City parking lots have been retrofitted with LED lighting, and nine utility-owned streetlights surrounding the new public library have been retrofitted with LED lights. 3. <i>TBD</i>	08-2011 08-2011

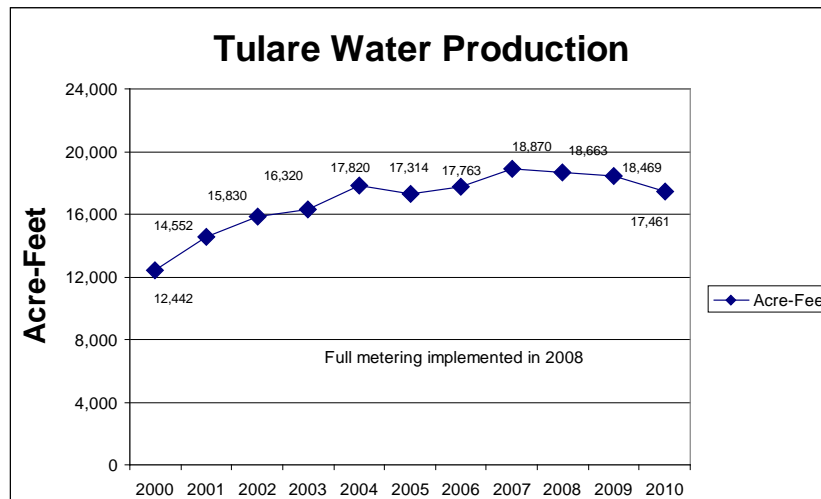


2. Water & Wastewater Systems

Level	Completed Activities	Reported
Silver	1. A component of the City's Performance Agreement in 2006 was to meter all 19,000 residential water services in Tulare, meeting state requirements 15 years early. Water consumption per service connection is on the decline. The meters were equipped with remote radio reading registers allowing the entire city to be read by the same two meter readers who previously focused on commercial and industrial meters. The water consumption trend has turned downward, indicating the metering is an effective conservation measure.	08-2011
Gold	1. The city and Tulare Irrigation District entered into a partnership in 2006 to acquire land and construct new groundwater recharge facilities. The city raised water rates to purchase surface water in wet years to put into the recharge facilities. The goal is to recharge between 10,000 and 15,000 additional acre-feet per year to eliminate the groundwater overdraft in the region. Through 2010, we were ahead of schedule on that goal, and 2011 was a very wet water year. 2. The city constructed a new industrial wastewater treatment plant in 2009. The state-of-the-art sequential batch reactor (SBR) is the largest in the US at 12.0 million gallons per day of capacity. The blowers providing air to the treatment process, which now removes nitrates from the effluent, are high efficiency Danish Turbplex 700 hp models, for which Southern California Edison paid the city a \$256,500 incentive.	08-2011 08-2011
Platinum	1. The city is currently constructing a new headworks pumping and screening structure for the domestic	08-2011



	<p>wastewater plant that will include a meter and pinch valve to send wastewater in excess of domestic plant capacity to the unused capacity in the industrial plant. This will allow 8-10 years of overall treatment capability before the domestic plant has to be expanded.</p> <p>2. Treated effluent is used for irrigation of non-food fiber and feed crops, reducing the amount of pumping necessary to irrigate crops on 3,200 acres near the treatment plant.</p> <p>3. <i>TBD</i></p>	<p>08-2011</p>
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4. Waste Reduction & Recycling

Level	Completed Activities	Reported
Silver	1. Member of the Consolidated Waste Management Authority comprising the County of Tulare and seven of its eight cities. The recycling rate is 68% for the CWMA.	08-2011
Gold	1. Provides curbside recycling and green waste collection (composting). 2. <i>TBD</i>	08-2011
Platinum	1. <i>TBD</i> 2. <i>TBD</i> 3. <i>TBD</i>	



5. Climate-Friendly Purchasing

Level	Completed Activities	Reported
Silver	1. On November 18, 2008, Tulare approved an Environmentally Preferable Purchasing Policy as an addendum to the City's existing Procurement Policy Section 1C, General Provisions, Recycled Goods.	08-2011
Gold	1. The Environmentally Preferable Purchasing Policy gives a 5% presence to bids from local vendors. 2. <i>TBD</i>	08-2011
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. The city operates four 300 kW FuelCell Energy biogas fuel cells. This 1.2 MW installation is among the largest in the country operating on biogas. The 9.5 million kWhrs generated annually offset 6,200 tons of CO2.	08-2011
Gold	1. The city operates a 450 kW internal combustion engine generator running on biogas.	08-2011
	2. The city has installed a 1.0 MW solar photovoltaic power plant that compliments an earlier 30 kW solar carport at the wastewater treatment plant. The 1.8 million kWhrs generated annually offset 1,175 tons of CO2.	08-2011
Platinum	1. Member of the US EPA Green Power Partnership. Ranked 16th largest on-site Green Power Generator.	08-2011
	2. The city has provided a public access compressed natural gas (CNG)/liquefied natural gas (LNG) fueling station for fifteen years.	08-2011
	3. The city sponsored the opening of the third public E85 ethanol fueling station in California in February 2008.	08-2011



7. Efficient Transportation

Level	Completed Activities	Reported
Silver	1. The city fuels its diesel fleet with B20 biodiesel.	08-2011
Gold	1. The city LNG fleet includes 21 refuse trucks and transit buses	08-2011
	2. The city CNG fleet includes 30 transit buses, street sweepers and light vehicles.	08-2011
Platinum	1. The city operates a light fleet of 65 flex fuel vehicles on E85.	08-2011
	2. The City established a partnership with the city of Visalia and College of the Sequoias (CoS) to develop a new transit route between Visalia, Tulare, and the CoS campus in each community. This will help facilitate access to each campus, and allow for the utilization of public transportation, therefore reducing reliance on vehicles. In July 2011, there were 3,856 riders on Tulare's buses on the 11x route.	08-2011
	3. <i>TBD</i>	



8. Land Use & Community Design

Level	Completed Activities	Reported
Silver	1. The Tulare Redevelopment Agency has established a priority for infill sites, many of which are environmentally contaminated, and is working to promote the sustainable redevelopment of infill sites through an active Brownfield's revitalization program, Façade improvement program in the downtown and active Economic Development department that works to revitalize vacant and underutilized buildings.	08-2011
Gold	1. In the previous five years, the Redevelopment Agency has secured over \$1,000,000 to assess, plan, and cleanup a variety of contaminated infill sites within the City of Tulare. This effort included the cleanup of a railroad site adjacent to the downtown corridor, which is being redeveloped as a Fresh & Easy and other retail providers. Additionally, the program includes a health & safety component, so the Agency has been able to integrate tracking of contaminated sites with permitting systems, and support additional training opportunities for the fire department. 2. Implementing Brownfields 2010 Job Training through the US EPA.	08-2011 08-2011
Platinum	1. <i>TBD</i> 2. <i>TBD</i> 3. <i>TBD</i>	



9. Open Space & Offsetting Carbon Emissions

Level	Completed Activities	Reported
Silver	1. Tulare has an integrated non-motorized transportation program in West Tulare, which includes evaluation of non-motorized transportation about Mulcahy, Roosevelt and Maple Schools, the installation of over 24,000 sq. ft. of new sidewalks and improvements, and the development of a new neighborhood Park at Mulcahy School. All of the improvements are either connected by new sidewalks or the Santa Fe recreational trail, which travels 6 miles east/west through the city of Tulare. These improvements promote access to open space by children at the schools and the neighboring 57-unit affordable housing development Tule Vista. This collaboration is a prime example of how successful planning and coordination between municipal departments can lead to safer community, reduced vehicle usage, and improved access to open space and recreational opportunities.	08-2011
Gold	1. <i>TBD</i> 2. <i>TBD</i>	
Platinum	1. <i>TBD</i> 2. <i>TBD</i> 3. <i>TBD</i>	



10. Promoting Community & Individual Action

Level	Completed Activities	Reported
Silver	1. The City of Tulare has implemented a Tulare Affordable Solar Program (TASP), which provides gap financing to install individual solar systems on affordable single-family housing, in conjunction with the state Single-family Affordable Solar Homes (SASH) rebate. Through TASP and partnering with GRID Alternatives , Tulare anticipates installing solar on over 30 residential single family homes in Tulare. To date, there have been approximately 20 residential systems installed utilizing the SASH rebate, in partnership with GRID Alternatives.	08-2011
Gold	1. The City is actively marketing and utilizing the California PACE (Property Assessed Clean Energy) program, in coordination with FIGtree Energy Resource Company. Tulare launched a marketing campaign in August 2011 for the program, in the hopes of expanding utilization and energy retrofits to commercial facilities in Tulare. 2. <i>TBD</i>	08-2011
Platinum	1. <i>TBD</i> 2. <i>TBD</i> 3. <i>TBD</i>	