



CITY OF MARTINEZ

**CITY COUNCIL AGENDA
September 21, 2011**

TO: Mayor and City Council

FROM: Climate Change Subcommittee (Councilmember DeLaney and Councilmember Ross)

PREPARED BY: Michael Chandler, Senior Management Analyst

SUBJECT: Climate Action Plan and Sustainability Programs Update

DATE: September 15, 2011

RECOMMENDATION:

This report is provided for informational purposes.

BACKGROUND

The City continued to make significant progress over the past year in support of its Climate Action Plan and sustainability programs. The following list reflects the key accomplishments during the prior 12 month period:

- 1) Completion of ARRA grant-funded downtown LED installation project– The City applied for and received a \$150,800 Federal grant in 2009 as part of the American Recovery and Reinvestment Act (ARRA), for the purpose of installing energy efficient LED lighting in the downtown area. The project entailed replacing 114 of the 150-watt High Pressure Sodium (HPS) lights in the decorative streetlights along Main, Castro, Estudillo, Escobar, Ferry, and Las Juntas with 75-watt LED’s. The City’s Public Works crews completed the LED installations in August 2011 and took the initiative to repaint the decorative streetlights in September 2011. The grant funds paid for all of the LED’s and a significant amount of the City labor on the installations.
 - a. LED Benefits
 - i. Lifecycle 50,000 – 100,000 hrs (12.5 - 25 yrs) vs. 20,000 – 24,000 hrs (5 – 6 yrs) for HPS , and 40%-50% less energy consumption
 - ii. Utility savings of \$39/yr/light savings, or approximately \$4,400/yr
 - iii. Maintenance and replacement cost savings of \$100/yr/light, or \$11,400/yr
 - iv. Total annual estimated savings of \$4,400 + \$11,400 = \$15,800/yr
 - v. Qualifies for one-time PG&E rebate program of \$100/light, \$11,400 total
 - vi. No mercury, lead or other known disposable hazards
 - vii. Lower environmental footprint
 - viii. Clear and bright lighting, no infrared or ultraviolet light

- 2) Installation of 66 LED's as Part of Marina Vista Streetscape Project – The City secured over \$629,000 in unused ARRA funding from the City of Concord and redirected it to the Marina Vista Streetscape project. This additional funding enabled the City to upgrade its plans and install 66 of the 60-watt LED's instead of the 100-watt Metal Halide lights originally scheduled for the project. Once the project is complete, estimated to be completed by the end of the year (including the undergrounding of utilities), the LED's will provide significant benefits similar to those mentioned for the other downtown LED upgrade project.
- 3) Electric Vehicle Charging Stations – The City, in partnership with 511 Contra Costa, received and installed three electric vehicle charging stations in downtown Martinez in 2010: City Hall, Amtrak parking lot, and the corner of Main/Court streets. These stations were upgraded from Level 1 (120V) to Level 2 (240V) capacity in November 2010, which accommodates the newer electric vehicles, such as the Nissan Leaf and Chevy Volt, suitable for highway and interstate transportation. The stations were synchronized in May 2011 to allow online status updates and station reservations. The website is located at: mychargepoint.net. Usage has spiked from 17 hrs in June 2011 to 164 hours in August 2011. The City's total greenhouse gas savings in August was 612 kg.
- 4) Hosted Energy Upgrade California Workshop – The City partnered with the Contra Costa County's Department of Conservation and Development to conduct a public workshop on June 27, 2011 in the Council Chambers promoting the "Energy Upgrade California in Contra Costa" program. This program provides homeowners with rebates of up to \$9,000 in combined PG&E and County funding for qualifying projects such as insulation, ducts, furnaces and air-conditioning to improve a home's energy efficiency. The City arranged for taping of the workshop presentation, which is now being aired on the City Channel 28 and CCTV. Rebroadcast of the workshop will continue until the program expires in March 2012.

For more information about the program, please visit the following link:

http://www.cityofmartinez.org/services/climate_action_plan/energy_upgrades_and_rebates.asp

- 5) Compost Workshops for Residents – The City conducted three free compost workshops in the past year. Total attendance was 84 people with 61 compost bins sold. Attendance has significantly increased through marketing the workshops in the residents' water bills. The City also subsidized 9 "Compost in the Classroom" classes for Martinez elementary schools to teach children the benefits of composting.
- 6) Hosted Earth Day Booth – For the third consecutive year, the City hosted a booth with information on the City's sustainability programs and efforts during the April 2011 Earth Day celebration on the grounds of the John Muir Historic Site. The City had over 500 visitors to its booth and distributed over 1,000 promotional items at the event.
- 7) Secured Ongoing AB939 and Climate Action Plan Support – The City secured, as conditions of a 10 year franchise extension with the City's solid waste and recycling hauler Allied Waste Systems, dedicated funding of \$25,000 per year for its diversion reporting (i.e. AB939/SB1016) and Climate Action Plan programs. This funding is guaranteed until 2023.

- 8) Used Oil Block Grant – The City used over \$7,600 in Used Oil Block Grant funding to provide informational items on proper methods of used oil recycling through Tidebooks for the boating community; English as Second Language (ESL) classes for non-native speakers; and transit bus advertising. Additionally, the City used this grant funding to purchase 165 “No Dumping” curb markers.

ACTION:

Receive and file the report.