



Agenda Item No. _____

File Code No. 630.06

CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: June 21, 2011

TO: Mayor and Councilmembers

FROM: Facilities Division, Public Works Department

SUBJECT: Annual Energy Report

RECOMMENDATION:

That Council receive a status report on the City's energy conservation and efficiency efforts.

DISCUSSION:

The Annual Energy Report summarizes energy-related activities that took place during the 2010 calendar year. City staff uses the report to inform Council and the public about recent activities and current energy trends. Key issues discussed in the 2010 Annual Energy Report are summarized below.

- The City's total electricity usage for 2010 was 2,400 megawatt hours, a reduction of almost 10% from the 2008 calendar year. The City spent \$3.2 million on electricity during 2010, down from \$3.54 million in 2008.
- The City's total gas usage for calendar year 2010 was 181,208 therms, a reduction of 19,000 therms since 2008, providing a savings of \$15,000 per year.
- The City finalized the selection of a developer for a Power Purchase Agreement funded cogeneration facility at the El Estero Wastewater Treatment Plant (El Estero). The facility will provide most of the electrical and heating needs for El Estero using methane produced from plant operations, and will be built without any capital investment by the City. The City also completed the design of the Fats, Oils, and Grease (FOG) Pilot Project. The FOG Project will allow the injection of brown grease into the wastewater treatment process to generate more methane for power production at the plant.

- The U.S. Department of Energy provided over \$800,000 to the City through the Energy Efficiency and Conservation Block Grant. This grant will provide funding for the installation of energy efficient heating and cooling systems and energy management systems in City buildings, which will be installed by the end of 2011.

SUSTAINABILITY IMPACT:

The energy conservation program continues to reduce energy use and save money. Since 2008, the ongoing efforts to save energy and restructure energy tariffs by the City's Energy Team have resulted in an electricity reduction of 2.1 million kilowatt-hours, saving \$350,000 annually.

The Annual Energy Report is available for public review on the City's Energy web page: www.santabarbaraca.gov/Government/SustainableSB/Energy_Management/City_Programs.htm.

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APPROVED BY: City Administrator's Office