



City of Gilroy

7351 Rosanna Street
Gilroy, California
95020-6141

Telephone (408) 846-0254
Fax (408) 846-0445

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From: Joe Kline
Public Information Officer

Contact: Saeid Vaziry
408-846-8842

SCRWA Receives Incentive Grant

The South County Regional Wastewater Authority (SCRWA) has expanded the recycled water tertiary treatment process at its Gilroy reclamation facility. The reclamation facility filter process consists of filter feed pumps that lift the water up to the filter structure, tertiary filters, waste wash water pumps that remove backwash sludge, reclaimed reservoir water pumps and the reclamation effluent pumps. The new facilities have increased the plant's tertiary treatment capacity from 3 million gallons per day (MGD) to 9 MGD.

SCRWA's tertiary treatment filter expansion project was completed in July, 2006. The system process technology has not changed, but the new facilities have increased hydraulic capacity of the reclamation system. The project employed use of new pumps, motors and controls, including Variable Frequency Drives and Premium Efficiency Motors, which qualified the project under an incentive program offered by PG&E.

This incentive program is the "Energy Management Program" for Non-Residential New Construction (formerly Savings-By-Design); funded by California utility customers and administered by PG&E under the auspices of the California Public Utilities Commission.

In August 2006, site inspections were conducted by PG&E representatives to verify the installation and observe the operation of the installed pumps and controls. A Post-Installation Verification Report was prepared by PG&E to document the operation and application of the new equipment. The following pump motors were found to be energy efficient:

- Two 10-hp filter feed pumps
- Two 20-hp waste washwater pumps
- Five 1/2-hp chemical feed pumps

- Two 15-hp reservoir return pumps

Energy savings of 386,454 kwh per year was calculated, using \$0.10 per kwh for the first year savings, resulting in an incentive of \$38,645.

PG&E's Account Manager, Mr. Jose Rios, will present a check in the amount of **\$38,645** to the SCRWA Board at the Feb 13, 2007 meeting.

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