



Agenda Item No. _____

File Code No. 540.13

CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: June 5, 2012

TO: Mayor and Councilmembers

FROM: Water Resources Division, Public Works Department

SUBJECT: Contract For Influent Flow Monitoring And Sampling Services At El Estero Wastewater Treatment Plant

RECOMMENDATION:

That Council authorize the Public Works Director to execute a contract with V&A Consulting Engineers, Inc., in the amount of \$213,400 for flow monitoring and sampling services for the El Estero Wastewater Treatment Plant, and authorize the Public Works Director to approve expenditures of up to \$21,340 for extra services of V&A Consulting Engineers, Inc., that may result from necessary changes in the scope of work.

DISCUSSION:

BACKGROUND

Wastewater enters the El Estero Wastewater Treatment Plant (El Estero) through four sewer mains. These mains also collect wastewater originating from treatment plant process units. This combined source of water is called confluent because it contains both wastewater from the community, and return flows from El Estero. When the treatment plant was constructed, no provision was made for monitoring the influent flows before the return flows were introduced. This has interfered with staff's ability to directly measure the quantity of, or the constituents in, the wastewater entering the plant from the community. Currently, this data must be estimated by collecting confluent data and subtracting out return flow information.

Staff needs to accurately determine influent flows and loadings into El Estero, rather than continuing to rely on confluent measurements. By monitoring and sampling influent flows, staff will be better able to confirm plant performance, and will be able to use this data to assist with capital improvement decisions and the overall operations of El Estero.

PROJECT DESCRIPTION

The work consists of installing flow monitors and samplers on El Estero's four influent lines, providing training, monitoring, and maintenance services for one year. Afterwards, the flow monitors and samplers will remain in-place and staff will take over operation and maintenance of the equipment.

CONSULTANT ENGINEERING SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with V&A Consulting Engineers, Inc., in the amount of \$234,740 for flow metering and sampling services. A Request for Proposals was issued to four firms for this project. Staff has negotiated a reasonable cost for services that is responsive to the Request For Proposals.

FUNDING

The following summarizes all estimated total Project costs:

ESTIMATED TOTAL PROJECT COST

Flow Monitoring and Sampling Services w/Extra Services (by Contract)	\$234,740
Project Management (City Staff)	\$15,000
TOTAL PROJECT COST	\$249,740

There is sufficient appropriation authority for the El Estero Strategic Plan Implementation project budget in the Wastewater Capital Fund to cover the cost of the contract with V&A Consulting Engineers, Inc..

PREPARED BY: Chris Toth, Wastewater System Manager/LA/mh

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office