



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: June 17, 2014

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Design For Final Effluent Sampler Station Project At El Estero Wastewater Treatment Plant

RECOMMENDATION:

That Council authorize the Public Works Director to execute a City Professional Services contract with Carollo Engineers, Inc., in the amount of \$37,336 for design services for the Final Effluent Sampler Station Project at the El Estero Wastewater Treatment Plant, and authorize the Public Works Director to approve expenditures of up to \$3,733 for extra services that may result from necessary changes in the scope of work.

DISCUSSION:

BACKGROUND

The El Estero Wastewater Treatment Plant (El Estero) treats an average of approximately 7 million gallons of wastewater each day. Treated wastewater is discharged into the ocean under a National Pollutant Discharge Elimination System (NPDES) permit. As a condition of the NPDES permit, El Estero is required to sample and monitor its final effluent to ensure that the quality of the water that is discharged into the Pacific Ocean meets permit requirements.

El Estero's NPDES permit will expire on May 13, 2015; therefore, staff is now starting the permit renewal process. The existing permit requires El Estero to sample and monitor final effluent prior to commingling with desalination brine water and, if discharging desalination facility brine water, sample and monitor the commingled effluent.

El Estero is currently in compliance with its NPDES permit; however, the existing sampling and monitoring location is at the point where final effluent and desalination brine water would be commingled. If the City re-commissions the desalination plant, a

new sampling and monitoring location will need to be identified that meets NPDES permit requirements.

PROJECT DESCRIPTION

The work by Carollo Engineers, Inc., (Carollo) consists of reviewing El Estero’s current NPDES permit, developing alternatives for final effluent sampling, and preparing a preliminary design report with recommendations that can be incorporated into El Estero’s NPDES permit renewal application, which is due in fall 2014. If the Desalination Plant is re-commissioned, staff will move forward with constructing a final effluent sampling station, per the preliminary design recommendations.

DESIGN PHASE CONSULTANT ENGINEERING SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with Carollo in the amount of \$37,336 for design and permitting support services, and \$3,733 for extra services, for a total amount of \$41,069.

Staff issued a Request for Proposals (RFP) to three engineering firms familiar with wastewater treatment plant permitting and processes. Two proposals were received. Carollo was selected for this work as they were responsive to the RFP requirements, met the project timeline, and have the expertise to perform the work.

FUNDING

The following summarizes all estimated total Project costs:

ESTIMATED TOTAL PROJECT COST

Preliminary Design & Permitting Support (by Contract)	\$41,069
Other Preliminary Design Costs - City Staff	\$9,212
Subtotal	\$50,281
Estimated Final Design – City Staff	\$12,000
Estimated Construction Contract w/ Change Order Allowance	\$56,100
Estimated Construction Management/Inspection (by City)	\$8,000
Subtotal	\$76,100
TOTAL PROJECT COST	\$126,381

There are sufficient appropriated funds in the Drought Water Fund to cover these costs.

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