



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: May 6, 2014

TO: Mayor and Councilmembers

FROM: Water Resources Division, Public Works Department

SUBJECT: Contract For Design For Recycled Water Distribution System Modeling

RECOMMENDATION:

That Council authorize the Public Works Director to execute a City Professional Services Contract with Carollo Engineers in the amount of \$42,535 for Design Services for Recycled Water Distribution System Modeling, and authorize the Public Works Director to approve expenditures of up to \$4,253 for extra services of Carollo Engineers that may result from necessary changes in the scope of work.

DISCUSSION:

PROJECT DESCRIPTION

During the construction of the Tertiary Treatment Facility at the El Estero Wastewater Treatment Plant, the recycled water distribution system (system) will have to operate in a manner for which it was not designed. Multiple improvement projects and system changes are being planned to ensure the system can meet demands during the construction period. The proposed modeling services will analyze the effects these improvements will have on the system, including the following:

- Evaluate the system benefits and optimization of installing a booster pump station to serve Elings Park.
- Analyze the effects of connecting Valle Verde Well to the system.
- Ensure system demands can be met by reversing the flow to have the Phase II service area supply the Phase I service area during construction.
- Perform an overall system optimization for standard treatment plant operation, and with proposed expanded future demands.

DESIGN PHASE CONSULTANT ENGINEERING SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with Carollo Engineers in the amount of \$42,535 for design, \$4,253 for potential extra services, for a total amount of \$46,788. Carollo Engineers was selected as part of a Request for Proposal process for similar services.

FUNDING

The following summarizes all estimated total Project costs:

ESTIMATED TOTAL PROJECT COST

Design (by Contract with Carollo)	\$42,535
Extra Services	\$ 4,253
Other Design Costs - City staff	\$12,500
TOTAL PROJECT COST	\$59,288

There are sufficient funds appropriated for various projects in the Water Capital Fund approved by Council in the June 2013 budget adoption process. On May 13, 2014, as part of the City's 3rd Quarter Budget Review, we will be requesting Council's approval for a comprehensive reprogramming of some existing budgeted capital projects, to fund this and other extraordinary and unplanned drought related projects.

PREPARED BY: Joshua Haggmark, Acting Water Resources Manager/CT/mh

SUBMITTED BY: Rebecca J. Bjork, Public Works Director

APPROVED BY: City Administrator's Office