



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: May 24, 2016

TO: Mayor and Councilmembers

FROM: Water Resources Division, Public Works Department

SUBJECT: Professional Services Contract For Cater Valve Replacement Project

RECOMMENDATION: That Council:

- A. Approve and authorize the Public Works Director to execute a Professional Services contract with Pacific Rim Automation, Inc., in the amount of \$369,188 for the Cater Valve Replacement Project; and
- B. Authorize the Public Works Director to approve expenditures of up to \$36,919 for extra services of Pacific Rim Automation, Inc., that may result from necessary changes in the scope of work.

DISCUSSION:

Background

The City's William B. Cater Water Treatment Plant (Cater) provides regional water treatment to the City of Santa Barbara, as well as the Montecito and Carpinteria Valley Water Districts. Cater is operated primarily via Supervisory Control and Data Acquisition (SCADA) technology. SCADA is a sophisticated computer technology that has become the water and wastewater industry standard for operating, collecting and monitoring system data and information in real time. SCADA systems are comprised of specialized computer hardware and software equipment that is operated through Programmable Logic Control (PLC) via computer networks which allow for computer automation and remote control of Cater's many water treatment processes. SCADA is also a mandatory technology required for the continuous monitoring of Cater's water quality and treatment.

Project Description

The Cater Water Treatment Plant Valve Replacement Project consists of providing SCADA programming and integration services to develop, test, and install new valve actuators within Cater's existing SCADA system. The existing valve actuators are nearing

the end of their useful life spans. The technology is antiquated and needs to be upgraded as a part of Cater's Capital Improvement Program. The work will be performed in three phases:

- Phase 1: Development and testing the new valve actuators.
- Phase 2: Implementation of the new actuators within Cater's existing SCADA system.
- Phase 3: Fine-tuning the programming, modifying the SCADA Human/Machine Interface (HMI) computer screens, creating as-built drawings and updating the new dialer alarms.

Consultant Selection

Pacific Rim Automation, Inc., (Pacific Rim) was selected from the City's pre-qualified list of SCADA programming and integration service providers, which Council approved on July 16, 2013.

Pacific Rim has submitted an acceptable proposal in the amount of \$369,188 to complete the Project work. Staff recommends that Council authorize the Public Works Director to approve expenditures of up to \$36,919 for extra services of Pacific Rim that may result from necessary changes in the scope of work, for a total contract amount of \$406,107. Pacific Rim has successfully performed previous similar services at Cater.

BUDGET/FINANCIAL INFORMATION

The total contract amount requested is \$406,107. There are sufficient appropriated funds in the Water Capital Fund to cover these costs. This project was presented to the Board of Water Commissioners on May 19, 2016, where it received the Board's support.

PREPARED BY: Catherine Taylor, Water System Manager/mh

SUBMITTED BY: Rebecca J. Bjork, Public Works Director

APPROVED BY: City Administrator's Office