

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES
FROM: ALAN ALTON, ACTING CHIEF FINANCIAL OFFICE, FINANCE
DEPARTMENT
TERRY SCHIMMEL, UTILITIES MECHANICAL
SUPERINTENDENT, WATER DEPARTMENT
SEAN HERMES, BUYER, FINANCE DEPARTMENT
SUBJECT: GENERAL SERVICES AGREEMENT AWARD - F001569,
PROGRAMMABLE LOGIC CONTROLLERS

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Finance and Water Departments, that the Board of Public Utilities, by motion, approve a two-year term Agreement with three one-year renewal options, F001569, with E&M Electric and Machinery, Inc., Healdsburg, California in the amount not to exceed \$211,818.76.

EXECUTIVE SUMMARY

The City of Santa Rosa Water Department desires to enter into a two-year term Agreement to acquire parts, supplies, and technical support in order to facilitate the replacement of aging Programmable Logic Controller components and software upgrades as needed throughout the Subregional System.

BACKGROUND

On October 25, 2017, Invitation for Bid (IFB (17-69), City of Santa Rosa, Programmable Logic Controllers and Technical Support was opened by the Purchasing Division.

IFB 17-69 provided specifications for the necessary parts, supplies, and technical support needed to maintain the approximate 119 Programmable Logic Controllers (PLC) that provide telemetry and process controls throughout the Laguna Treatment Plant and Reclamation System operations. The Subregional system has evolved over time to exclusively rely on a variety of Siemens branded PLCs, predominantly the S7-317 and 1200 models. Usage of the same manufacturer's platform allows the Water Department to maintain a smaller inventory of parts and increases reliability as the Water Department has in-house technicians trained specifically to perform all routine maintenance and

programming changes to the currently installed Siemens PLC's. Relying on one manufacturer of PLC also significantly reduces annual software/license costs.

Components between different PLC manufacturers are neither compatible nor interchangeable. To consider another make of PLC, the process control systems would need to be rebuilt and new software obtained. Based on the last PLC upgrade program completed in 2012, this would result in a multi-million-dollar endeavor. Additionally, prior training of Instrumentation Technicians would be made obsolete and new training would need to be developed at an additional cost and consumption of employee time.

PRIOR CITY COUNCIL REVIEW

Not Applicable

ANALYSIS

The funding not to exceed amount within the Agreement is approximate and based on the Water Department's forecasted needs for replacement parts. E&M Electric and Machinery, Inc has provided pricing within the Siemens CA-01 catalog on the most common parts that may be needed to support the operation of the existing programmable PCLs, and have identified a 15% discount off listed price, with exception to Automation software and products categorized in a "phase-out" or "mature" status. E&M Electric and Machinery, Inc will provide technical support via telephone or other electronic means at no additional cost to the City.

Ordering parts on a two-year term Agreement with fixed pricing allows the Utilities Mechanical staff to order the most commonly used parts as needed, thus reducing the cycle time to conduct individual procurement requests.

Of the thirteen prospective bidders identified on Planet Bids, only one vendor, E&M Electric and Machinery, Inc, submitted a responsive and responsible bid response. E&M Electric and Machine, Inc is one of three authorized distributors of Siemens automation products in Northern California. The other authorized distributors could not meet the 24-hour, 365 days a year technical support requirement, and therefore opted not to bid.

FISCAL IMPACT

Funds for this expense are included in the Fiscal Year 2017-18 budget within the Water Department. As a regular operating expenditure, the services are expected to be included in subsequent years' budget proposals when presented to the Board of Public Utilities and City Council.

ENVIRONMENTAL IMPACT

This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project which has a potential for resulting in either a direct physical change in the

environment or a foreseeable indirect physical change in the environment pursuant to CEQA guideline section 15378.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not applicable

NOTIFICATION

Not applicable

ATTACHMENTS

Attachment 1 – Past Expenditures

CONTACT

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