

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES
FROM: MIKE SHERMAN, GEYSERS OPERATIONS AND MAINTENANCE
COORDINATOR
WATER DEPARTMENT
BRANDALYN TRAMEL, PURCHASING AGENT, FINANCE
DEPARTMENT
SUBJECT: WAIVER OF COMPETITIVE BIDDING AND APPROVAL OF SOLE
SOURCE AWARD FOR PURCHASE AND INSTALLATION OF
SIEMENS NGX PRO CONTROL UPGRADE

AGENDA ACTION: RESOLUTION

RECOMMENDATION

It is recommended by the Water and Finance Departments that the Board of Public Utilities, by resolution, waive competitive bidding and approve a sole-source purchase and installation of eight (8) Siemens NGX PRO controllers to Siemens Industry, Inc, a Delaware Corporation in an amount not to exceed \$325,000.

EXECUTIVE SUMMARY

The electronic control modules on the variable frequency drives used in the Geysers Recharge Project need replacement. The drive manufacturer, Siemens Inc, is the sole provider of the control modules that will insure conformity with the equipment application. Siemens Inc is also the sole provider for design, engineering support, and warranted services necessary for the installation of the controls.

BACKGROUND

The Geysers Recharge Project delivers approximately two-thirds of the recycled water produced by the Laguna Treatment Plant to Calpine Corp each year. Delivery of this volume is critical to the non-weather-dependent nature of the Department's reuse program and to meeting the City's contractual obligation to Calpine. The Geysers Project has been in service for approximately 15 years and some components, especially electronic equipment, are reaching their expected lifespan.

The Geysers Recharge Project has a total of 8 variable frequency drives, controlling 2 pumps at each of the four pump stations. The drives' controllers are no longer supported by the manufacturer, and an upgraded controller is available to continue operation of the drives. Existing NXGI controllers will be replaced by new NGX PRO controllers. The NGX PRO are proprietary designed replacement components and are supplied exclusively by Siemens Industry, Inc.

Staff has requested replacement parts for the NXGI drives and were notified that they were no longer available, and the only option was to upgrade to the NXG PRO. Staff has also searched for other vendors that carried the replacement parts for the obsolete NXGI controllers and found that there were minimal used spare parts available from different vendors. Staff was not able to locate a manufacturer that could supply new specifically designed components other than Siemens that would replace existing components.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

Not Applicable.

ANALYSIS

Other manufacturers were not considered for the upgrade because these components are integrated within the drive and cannot be substituted.

FISCAL IMPACT

The cost to upgrade to the Siemens NXG RPO is not to exceed \$325,000. The cost above the quote of \$281,115, is to encompass shipping costs, taxes, and any unforeseen staff overages. Funds required for this operational expense have been included in the fiscal year 2018-2019 budget for Water and is a onetime expenditure for the Geysers Recharge Project.

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 reasonably foreseeable indirect physical change in the environment, pursuant to CEQA Guideline section 15378.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not Applicable.

ATTACHMENTS

- Attachment 1 – Proposal for Services

CONTACT

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