

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES

FROM: RICHARD GIORDANELLA, WASTEWATER SUPERINTENDENT

SUBJECT: FOURTH AMENDMENT TO PROFESSIONAL SERVICES
AGREEMENT F001496 FOR EQUIPMENT AND LICENSES WITH
E&M ELECTRIC AND MACHINERY, INC. DBA AVEVA SELECT
CALIFORNIA

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by Santa Rosa Water and the Finance Department that the Board of Public Utilities, by motion, authorize the fourth amendment to Professional Services Agreement F001496 for additional software upgrades, annual licensing fees, and to extend the time of performance with E&M Electric and Machinery, Inc. dba AVEVA Select California, for the Laguna Treatment Plant's (LTP's) Supervisory Control and Data Acquisition (SCADA) system in an amount not to exceed \$101,775.51.

EXECUTIVE SUMMARY

SCADA is used throughout Santa Rosa Water for operational and compliance data recording equipment that utilizes software developed by Electric and Machinery, Inc. dba AVEVA Select California. Upgrading the LTP SCADA network has been in process and additional work is needed to complete the upgrade project.

BACKGROUND

AVEVA software is used to manage the SCADA system. Regional Water Reuse Operations uses 15,000 sensors to track temperature, flow of liquids, electrical current, pressure, level, run hours, and alarms in order to monitor process performance. All of these sensors are monitored through the SCADA system. The data collected from these sensors is used for operational decision making and in reports that support regulatory requirements.

FOURTH AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT F001496
 WITH E&M ELECTRIC AND MACHINERY, INC. DBA AVEVA SELECT CALIFORNIA
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Santa Rosa Water engaged AVEVA in 2003 to provide the software that is the basis of the SCADA system. In 2017, Santa Rosa Water contracted with AVEVA to provide technical services and upgrades specific to the SCADA system. A contract amendment is needed in order to complete the project. The proposed amendment includes installing updated hardware and software to streamline and upgrade the overall SCADA system. This amendment will also facilitate onsite hardware installation by the vendor as well as technical service support.

Agreement	Date	Amount	Description	Authority
Initial Professional Services Agreement	9/11/2017	\$64,471.30	Provide technical services including network and software upgrades that are specific to the network and equipment that utilize software developed by Wonderware.	Deputy City Manager
First Amendment	8/16/2018	\$259,631.00	Update the scope of services to include annual licensing fees in support of operational and compliance recording equipment that utilize software developed by consultant for five years, increase the compensation to a not to exceed total sum of \$324,102.30 and extend the time of performance to September 1, 2023.	BPU
Second Amendment	1/21/2022	\$257,725.00	Update the scope of services to provide technical services for network and hardware installation, increase the compensation to a not to exceed total sum of \$581,827.30, extend the time of performance to September 1, 2024, and to correctly identify the consultant as "E&M Electric and Machinery, Inc. dba Wonderware California," which was erroneously identified in the Agreement and First Amendment.	BPU
Third Amendment	3/22/2023	\$62,395.00	Renew license fees, increase compensation, attach and incorporate "Attachment One, 'Insurance Requirements'," and identify Consultant as "E&M Electric and Machinery, Inc, dba AVEVA Select California."	Assistant City Manager
Fourth Amendment	12/7/2023	\$101,775.51	Update the scope of services to provide technical services for network and hardware installation, increase the compensation to a not to exceed total sum of \$745,997.81 and extend the time of performance to December 31, 2024	BPU

The total agreement amount, including the proposed amendment will be \$745,997.81.

In order to complete the project, it is necessary that the additional equipment and services be provided by AVEVA.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

Not applicable

ANALYSIS

The AVEVA software has been in use in the City since 2003. It is in the best interest of the City to authorize the fourth amendment for additional software upgrades, annual licensing fees, and to extend the time of performance with E&M Electric and Machinery, Inc. dba AVEVA Select California, for the Laguna Treatment Plant's (LTP's) Supervisory Control and Data Acquisition (SCADA) systems because AVEVA Select California is the only distributor/manufacturer that can perform the system upgrades and software support necessary to operate LTP's SCADA systems.

FISCAL IMPACT

Funds for this project were appropriated in the 2020-21 fiscal year Water Department Capital Improvement Program budget.

ENVIRONMENTAL IMPACT

This action is categorically exempt from the California Environmental Quality Act (CEQA), pursuant to CEQA Guidelines Section 15301, Existing Facilities, as the Project consists of the purchase of equipment involving a minor alteration of an existing public sewerage facility operated by the Water and Wastewater Operations Departments, resulting in a negligible or no expansion of use.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not applicable.

ATTACHMENTS

Attachment 1 - Fourth Amendment to Professional Services Agreement F001496

CONTACT

Richard Giordanella, Wastewater Superintendent