

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** FEBRUARY 11, 2019

**ITEM NO:** 6

**SUBJECT:** RFP NO. 1878 – PROFESSIONAL SERVICES AGREEMENT WITH HAZEN AND SAWYER OF PALM DESERT, CALIFORNIA FOR THE WATER SCADA SECURE & OPTIMIZED COMMUNICATIONS SYSTEM DESIGN-BUILD PROJECT IN THE AMOUNT OF \$85,607 WITH A TERM ENDING DECEMBER 31, 2020

**ISSUE:**

Approve a Professional Services Agreement with Hazen and Sawyer of Palm Desert, California in response to Request for Proposal (RFP) No. 1878 for the Water SCADA Secure & Optimized Communications System Design-Build Project, in the amount of \$85,607 with a term ending December 31, 2020.

**RECOMMENDATIONS:**

That the Board of Public Utilities:

1. Approve a Professional Services Agreement with Hazen and Sawyer of Palm Desert, California in response to Request for Proposal (RFP) No. 1878 for the Water SCADA Secure & Optimized Communications System Design-Build Project, in the amount of \$85,607 with a term ending December 31, 2020; and
2. Authorize the City Manager, or his designee, to execute the Professional Services Agreement with Hazen and Sawyer, including making minor and non-substantive changes and to sign all documents and instruments necessary to complete the transactions.

**BACKGROUND:**

The existing Water Supervisory Control and Data Acquisition (SCADA) system is aging and in need of critical improvements to its communications network and architecture. A cyber security vulnerability assessment identified this project as one of the top remaining items to complete. Without these improvements, the network will become increasingly unreliable and slow as new wells, pumps and instrumentation are added and/or replaced within the water system. Additionally, new and upgraded Programmable Logic Controllers ("PLCs") and Remote Terminal Units ("RTUs") cannot be added because their communications capabilities and speed will overwhelm an already congested network.

To work within our approved annual funding levels, staff has developed a multi-year program for implementing the Water SCADA system and infrastructure improvements, which is comprised of sub-projects included in the 2018-2023 five-year plan. These sub-projects include server hardware and software upgrades, video deployment to Water Facilities, and field automation upgrades.

The Water SCADA Secure & Optimized Communications System Design-Build Project ("Project"), is the first sub-project for setting up the SCADA framework and communications network. The scope of this Project is to design and develop a new Water SCADA communications network with improved speed, bandwidth capacity, and reliability; and, have capacity to meet future operational and security needs. Implementing this project will result in reduced system failures, and will provide for improved cyber and physical security.

### **DISCUSSION:**

RPU is retaining a consultant with experience, expertise, and resources to provide direction and input during the design phase of the Project, as well as, construction assistance as needed. The consultant will act as the owner's representative and play a critical role in successfully delivering a project that meets RPU's current and future communication needs.

Request for Proposals No.1878 for the Water SCADA Secure & Optimized Communications System Design-Build Project to obtain a qualified consultant to perform the duties of the owner's representative was posted on the City's Online Bid System on November 9, 2018 and closed on December 4, 2018. Hazen and Sawyer submitted the only proposal for the owner's representative services requested in the RFP. Key staff members evaluated the proposal based on the criteria described in the RFP and found Hazen and Sawyer of Palm Desert, California to be qualified to perform the owner's representative role for RPU's Water SCADA system upgrade. Staff negotiated a professional services agreement for this work with Hazen and Sawyer in the amount of \$85,607 based on a fixed hourly rate.

The Purchasing Manager concurs that the recommended actions are in compliance with Purchasing Resolution No. 23256.

### **FISCAL IMPACT:**

There is a total fiscal impact of \$85,607. Sufficient funds are available in Public Utilities System Automation Account No. 6230200-470826.

Prepared by:	Todd L. Jorgenson, Interim Utilities General Manager/Water
Approved by:	Todd M. Corbin, Utilities General Manager
Approved by:	Al Zelinka, FAICP, City Manager
Approved as to form:	Gary G. Geuss, City Attorney

Certifies availability of funds:	Aileen Ma, Interim Utilities Assistant General Manager/Finance & Administration
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Attachment(s):

1. Professional Consultant Services Agreement with Hazen and Sawyer
2. RFP Award Recommendation
3. Presentation