

City Council Memorandum

City of Arts & Innovation

TO: HONORABLE MAYOR AND CITY COUNCIL DATE: AUGUST 6, 2019

FROM: PUBLIC WORKS DEPARTMENT WARDS: ALL

SUBJECT: RIVERSIDE WATER QUALITY CONTROL PLANT - APPROVE PURCHASE OF

SYSTEM CONTROL AND DATA ACQUISITION OPERATING SOFTWARE SUPPORT SERVICES FROM E & M ELECTRIC & MACHINERY INC., DBA WONDERWARE, OF HEALDSBURG, CALIFORNIA, UNDER SECTION 702(R) OF PURCHASING RESOLUTION 23256 FOR THE PERIOD OF SEPTEMBER 1,

2019 TO AUGUST 31, 2020, IN THE AMOUNT OF \$60,970.00

ISSUE:

Approve the purchase of System Control and Data Acquisition support services from E & M Electric & Machinery, Inc. dba Wonderware, of Healdsburg, California, in the amount of \$60,970.

RECOMMENDATION:

That the City Council approve the purchase of System Control and Data Acquisition support services from E & M Electric & Machinery, Inc. dba Wonderware, of Healdsburg, California, under Section 702(r) of Purchasing Resolution 23256 in the amount of \$60,970.

BACKGROUND:

The Public Works Department Wastewater Division is responsible for the collection and treatment of wastewater generated within the City of Riverside and the communities of Edgemont, Highgrove, Jurupa, and Rubidoux, which occurs at the Riverside Water Quality Control Plant (RWQCP). The RWQCP utilizes a System Control and Data Acquisition (SCADA) system to allow operations, laboratory, and regulatory compliance staff to remotely monitor and control virtually every process utilized at the RWQCP and monitor remote facilities in the City's collections system. SCADA eliminates the need to dedicate staff time to manually retrieve information and control facilities. Wonderware is the operating software that the RWQCP utilizes for its SCADA system. It is utilized by numerous government agencies and is recognized as the leading industry standard for SCADA applications.

The Wonderware operating software consists of redundant structured query language (SQL) data historian servers, redundant terminal servers utilizing 34 thin clients, and multiple development and other computers. The data historians collect data from multiple programmable logic controllers (PLC) for display of both current and historical data on our thin clients and in reports. Approximately 20,000 discrete and analog data points are collected by the historians with Wonderware SQL trendable data going back to 2005. Wonderware data collected from 2005

through 2008 was instrumental in planning for the plant expansion project that was recently completed in 2017.

The existing technical support services with Wonderware included free version upgrades; as such, the Wonderware version and configuration at the RWQCP has been upgraded by plant staff six or seven times since 2005. The plant has been receiving technical support services from a Wonderware authorized distributer consecutively since 2005.

DISCUSSION:

Like all major operating software, Wonderware is a licensed product that is continuously being improved. Renewing the support services will provide the most stable operating platform to meet the current needs of the facility.

Purchasing Resolution 23256, Section 702(r) states "When the Procurement is for the renewal of maintenance, license(s), support, or a similar need for existing technology systems, including hardware, and the items are procured from a vendor/reseller that was originally selected based on the City's procurement standards, provided that 1) the vendor has been used consecutively since then and 2) if there are any non-substantive changes to the procurement, the Manager is satisfied that the best price, terms and conditions have been negotiated;" then competitive procurement shall not be required.

The Purchasing Manager concurs that the recommendation is in compliance with Purchasing Resolution 23256.

FISCAL IMPACT:

The total fiscal impact of this action is \$60,970. The funds are available in the Sewer Software Purchase/Licensing account 4125420-425700.

Prepared by: Kris Martinez, Public Works Director

Certified as to

availability of funds: Edward Enriquez, Chief Financial Officer/Treasurer

Approved by: Rafael Guzman, Assistant City Manager

Approved as to form: Gary G. Geuss, City Attorney

Attachment: Vendor Quote