# City Council Memorandum

**TO:** HONORABLE MAYOR AND CITY COUNCIL  **DATE:** JUNE 16, 2020

**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 FROM SEPTEMBER 1, 2020 TO AUGUST 31, 2021, IN THE AMOUNT OF $59,720

## ISSUE:

Approve the continued purchase of System Control and Data Acquisition support services from E & M Electric & Machinery, Inc. dba Wonderware, of Healdsburg, California, in the amount of $59,720.

## 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 $59,720.

## 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 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, including Riverside Public Utilities (RPU), and is recognized as the industry standard for SCADA applications.

Wonderware operating software consists of a number of aspects including redundant structured query language (SQL) data historian servers, redundant terminal servers utilizing 34 thin clients, and multiple development and other computers. Data historians collect information from multiple programmable logic controllers (PLC) in order to display current and historical data on thin clients

and in reports. Wonderware data that was collected between 2005 and 2008 was used to inform the planning for the plant expansion project that was completed in 2017.

Existing technical support services with Wonderware includes free version upgrades. The Wonderware configuration at the RWQCP has been upgraded by plant staff seven times since its inception in 2005. The RWQCP and RPU have been receiving ongoing 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 and upgraded. Renewing the support services will provide the most stable operating platform to meet the needs of Public Works and Public Utilities facilities.

Purchasing Resolution 23256, Section 702(r)  states that "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," competitive procurement shall not be required. Wonderware meets this criteria as it has been providing consecutive service since 2005.

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

## FISCAL IMPACT:

The total fiscal impact of the action is $59,720.  The funds will be available in the Sewer Software Purchase/Licensing account, 4125420-425700 following Council adoption of the FY 2020/21 proposed budget.


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