



City of Colusa California

STAFF REPORT

DATE: March 7, 2023
TO: City of Colusa Mayor and Council Members
FROM: David Swartz, City Engineer through Jesse Cain, City Manager

AGENDA ITEM: Contract Award to Aqua Sierra Controls City Wells Upgrade Project

Recommendation: Council adopt Resolution No. _____ to award the project to Aqua Sierra Controls in an amount of \$352,109.00 and authorize the City Manager to execute a contract.

BACKGROUND ANALYSIS:

The project involves the upgrades to 5 City Wells, one of which is the CIP Well No. 2 well site. Succinctly, the project seeks to upgrade each well site such that the well operations, and monitoring are modernized from 1980's technology, to more current technology that is supported and operationally more efficient and cost effective for Utilities Department to maintain and operate. Currently the system communicates via telephone lines, which have become an unreliable connection for communication. Most of the parts associated with the Cities current operation are no longer manufactured, and companies have stopped providing technical support. Currently the wells communicate, albeit, somewhat unreliably with a Programable Logic Controller (PLC), located at the water towers. Again this controller is outdated and the water tower building is not suitable to host this type of equipment.

The new system provides PLC's at each well, along with other needed upgrades and improvements to the electronics and operations which will communicate to a new dual use tower to be located at the WWTP, where city staff has the appropriate facilities to house the equipment and also resides for operations. This upgrade only deals with the wells electronics, and does not provide any new well equipment such as pumps, sand separators, chlorination etc.. Once implemented the system will provide a much broader range of data, and operational efficiencies to utilities staff, and will provide a much more reliable and sustained system to operate the cities wells. Without new and updated equipment, and given the age of existing equipment, catastrophic failure is a "real" consideration, that we are trying to mitigate.

The City advertised the bid on several contractor bid exchanges, the local paper and the Cities Web Site. We received only one bid for conducting this work.

BUDGET IMPACT: \$352,109 that is proposed to be funded by a combination of the following sources. 1.) Wastewater Capital Improvement Fund and/or Wastewater Impact Fees Fund – for the funding the new tower facility located at the WWTP, as this tower will replace an existing tower which recently blew over and had to be repaired. This tower holds equipment that communicates with the WWTP. So we would be replacing it with a dual use facility. 2.) Water Capital Improvement Fund an/or Water Impact Fees Fund – for the rest of the project.

ATTACHMENT: See Attached bid submitted.