



STAFF REPORT

MEETING DATE: August 23, 2023

PRESENTER: Michael Barajas, Public Works Director

SUBJECT: Approving Contract with Industrial Control & Design, Inc. for Programmable Logic Controller, Human Machine Interface Upgrades, and Chlorine Pump Integration for Well Sites 9A, 14, and 17 (MB)

RECOMMENDATION: Council by motion adopt resolution approving contract with Industrial Control & Design, Inc. for Programmable Logic Controller, Human Machine Interface upgrades and Chlorine Pump Integration at Well Sites 9A, 14, and 17 in the amount of \$57,626.99.

EXECUTIVE SUMMARY:

The current Programmable Logic Controller (PLC) and Human Machine Interface (HMI) structure in place is outdated and obsolete. SCADA communication is inferior and we are unable to update with the existing hardware. New programming is needed to integrate with new Chlorine Pumps for set points and flow rates. The Division of Drinking water has requested that the City make these upgrades due fluctuating amounts of chlorine residual in our water system.

The upgrades will include updating existing control panels, modifying programs and updating hardware. Adding PCL programming to control the chlorine pumps based on the flow rate. HMI and SCADA will be modified to show chlorine pump speed and add chlorine set points that can be adjusted based on the flow rate.

The City requested bids for the upgrades from three contactors as follows:

Contractor	Base Bid
Industrial Control and Design Inc.	\$57,626.99
Tel Star Instruments	Non Responsive
Performance Automation Company	\$74,716.00

FISCAL IMPACT:

The cost of making these necessary upgrades to the PCL/HMI and Chlorine Pumps will be \$57,626.99 and has been included in the 23-24 fiscal year budget.

A. Resolution w/Exhibit

RESOLUTION NO. 23-__

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF KERMAN APPROVING CONTRACT WITH INDUSTRIAL CONTROL AND DESIGN, INC. TO PROVIDE PROGRAMMABLE LOGIC CONTROLLER, HUMAN MACHINE INTERFACE UPGRATES AND CHLORINATOR PUMB INTEGRATIONS FOR WELLS 9A, 14, AND 17

WHEREAS, the City received notice from the Division of Drinking Water that upgrades were needed for the Programmable Logic Controller, Human Machine Interface (PCL/HMI) and Chlorinator due to fluctuating chlorine residuals; and

WHEREAS, the City requested bids in accordance with the City's Purchasing Policy and 2 bids were received; and

NOW THEREFORE, the Kerman City Council resolves as follows:

- SECTION 1. The foregoing recitals are true and correct and incorporated by reference.
- SECTION 2. The Council approves the contract with Industrial Control and Design, Inc. attached hereto as Exhibit 'A'.
- SECTION 3. The City Manager or his designee is authorized to execute Contract on behalf of the City.
- SECTION 4. This resolution is effective upon adoption.

The foregoing resolution was approved by the City Council of the City of Kerman at a regular meeting held on the 23rd day of August 2023, and passed at said meeting by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

The foregoing resolution is hereby approved.

ATTEST:

Maria Pacheco
Mayor

Marci Reyes
City Clerk