



Cover Memorandum/Staff Report

File #: 21-510

Agenda Date: 6/8/2021

Item #: 6.1.3.

TO: Mayor and Commissioners
FROM: Hassan Hadjimiry, Utilities Department Director
THROUGH: Jennifer Alvarez, Interim City Manager
DATE: June 8, 2021

AUTHORIZE THE ISSUANCE OF A PURCHASE ORDER TO DATA FLOW SYSTEMS, INC., TO IMPLEMENT PHASE I OF THE SCADA COMMUNICATIONS IMPROVEMENTS PROJECT- \$290,040

Recommended Action:

Motion to authorize the issuance of a Purchase Order to Data Flow Systems, Inc. to implement Phase I of the communications improvements project to the City's SCADA system in the amount of \$290,040.

Background:

On February 10, 2020, the City approved Data Flow Systems, Inc. (DFS) as the City Standard for the City's Supervisory Control and Data Acquisition (SCADA) system currently used by the Utilities Department. System components include the telemetry remote terminal units, the pump control modules, the hyper server, and software. The system is proprietary to DFS as they are the sole source provider of the TAC II SCADA System. DFS was selected by the City over two decades ago to design and install the SCADA system to monitor and control water treatment plant process, raw water wells, water storage tanks and sewage lift stations. At that time, there were few alternative choices in the marketplace for SCADA systems. Currently, the system through DFS is proprietary, and therefore will not allow integration with components from other vendors. Until the telemetry system is upgraded, components by DFS are critical to utility operations for maintaining public health.

Phase 1 of the communications improvements project will replace the existing 400 mhz radios with 200 mhz radios, replace some of the RTU equipment and add a new antenna at the Elevated Water Storage tank. These improvements are expected to reduce interference with other entities and make available a more reliable radio system to allow proper operation of the production groundwater wells, water treatment plant and finished water facilities.

This motion is in accordance with the City Code of Ordinances, Section 36 and City Policies and Procedures, Change Orders and Amendments.

Attachments:

DFS Phase 1 Quote

City Attorney Review:

Approved as to form and legal sufficiency.

Funding Source:

Funding is available from Account No. 442-36-260-537.31-90 Professional Services Other Professional Services.

Timing of Request:

Approval of this amendment allows the City to implement Phase1 of the SCADA improvements project in a timely manner.