



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item number: 5.j

Title: Recommendation to Award Proposal for SCADA Program Management – Phase 1 to Concentric Integration

Presenter: Tim Wilson

Meeting: Government Services Committee

Date: October 23, 2017

Proposed Cost: \$490,000

Budgeted Amount: \$1,000,000

Not Budgeted:

Executive Summary *(if not budgeted please explain):*

For reliability, efficiency and safety, the water and wastewater treatment and pump facilities require continuous automated operation. Currently, the backbone of this operation is controlled by the water and wastewater Supervisory Control and Data Acquisition (SCADA) systems. Both the water and wastewater utility’s SCADA system are composed of computer hardware and software systems. Due to the aging infrastructure, the SCADA system lacks security constraints, backup systems, has no integration to the City network and has limited data acquisition; therefore it is nearing the end of its life.

In 2016, City Council approved Concentric Integration to complete a SCADA master plan for both the water and the wastewater system. This evaluation included: process automation, hardware, software, network/communication, security, disaster recovery, alarms, data collection, reports, and remote access. This phase of the project is completed with recommendations, implementation schedule, and long term capital planning provided.

In the next phase of this project, Concentric will provide program management services and subcontractor coordination. It will also involve technological improvements, the installation of the system at remote sites and the professional services to oversee and coordinate this phase of the project. Concentric will provide verification of installations, quality control testing of all equipment, and manage the work by subcontractors. In addition, they will configure and coordinate the SCADA network design and configuration with the City’s information system network and team.

Concentric has great knowledge of the City’s current networks and the 2016 SCADA Master Plan. They have collaborated closely with Public Works and the Information Systems staff during the planning phase of this project, being the most qualified firm. Public Works recommends continuing this project with Concentric Integration to implement and oversee the next phase of improvements. The \$490,000 will cover Concentric Integration’s portion of the contract, approximately 50% of the total project cost.

This winter, the city staff will be returning to this committee with updates and contract approvals of equipment and work being conducted by subcontractors. The estimated value for equipment is \$441,000, with a cost of \$66,000 for subcontracting work.

Attachments *(please list):*

* SCADA Master Plan * Concentrics Proposal Phase 1

Recommendation/Suggested Action *(briefly explain):*

Recommendation to Award the Proposal for SCADA Program Management – Phase 1 to Concentric Integration for a not to exceed price of \$490,000.