



## **AGENDA MEMORANDUM**

Action Item for the City Council Meeting May 11, 2021

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**DATE:** May 11, 2021

**TO:** Peter Zanoni, City Manager

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<b>Oso Wastewater Treatment Plant Network Upgrade</b>
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**CAPTION:**

Motion authorizing a three-year service agreement with Great South Texas Corp dba Computer Solutions of San Antonio, Texas, in an amount of \$126,866.69 for the Oso Wastewater Treatment Plant Network Upgrade, effective upon issuance of a notice to proceed, with FY 2021 funding available in the Wastewater Capital Fund.

**SUMMARY:**

This motion authorizes a purchase and installation of networking equipment required for a new supervisory control and data acquisition (SCADA) system that is being implemented at the Oso Wastewater Treatment Plant that consists of a rack-mounted firewall, a 10 Gigabyte network switch, secondary power supply, five environmentally hardened switches throughout the treatment plant, and the required fiber, components, and licensing to make the system functional.

**BACKGROUND AND FINDINGS:**

The City of Corpus Christi Information Technology (IT) Department is implementing a new Rockwell SCADA System at the Oso Wastewater Treatment Plant, which is the City's largest treatment plant. This is part of the Utilities Department's multi-year project to upgrade and improve SCADA monitoring and control capabilities throughout the entire Wastewater System.

The Oso Wastewater Treatment Plant SCADA system is a critical system that is used by plant operations to control field devices, view, and analyze historical trends and data, monitor real-time data, and receive status alarms. The current network equipment for the Oso Wastewater Treatment Plant SCADA system does not meet the City's new standards and requires that the network equipment be upgraded.

The new network equipment from Computer Solutions will enable the new Rockwell SCADA system to be connected securely into the city's corporate network. This connection will allow the implementation of redundant servers at the City's primary data center and will also allow for disaster recovery and business continuity.

#### **PROCUREMENT DETAIL:**

The Information Technology Department requested for Contracts and Procurement to issue a contract through the Texas Department of Information Resources (DIR) Cooperative. Contracts awarded through the DIR Cooperative have been competitively procured, in compliance with Texas local and state procurement requirements.

#### **ALTERNATIVES:**

An alternative would be not to upgrade the networking equipment which would limit secure network connectivity required for critical functionality of the new SCADA System for the Oso Wastewater Treatment Plant.

#### **FISCAL IMPACT:**

The fiscal impact for the Wastewater Department in FY 2021 is incurring an expense not to exceed \$126,866.69 in the Wastewater Capital Fund for the purchase of networking equipment required for the new SCADA System being implemented for the Oso Wastewater Treatment Plant.

#### **FUNDING DETAIL:**

Fund:	4510 Wastewater Capital Fund
Organization/Activity:	18082A4510EXP
Mission Element:	042 Wastewater Collection System
Project # (CIP Only):	18082A Wastewater Treatment Plants & Lift Station SCADA Improvement
Account:	550040 Other Equipment

#### **RECOMMENDATION:**

Staff recommends approval of this motion authorizing the purchase of networking equipment required for the new Oso Wastewater Treatment Plant SCADA System.

#### **LIST OF SUPPORTING DOCUMENTS:**

Service Agreement  
Price Sheet