



Legislation Details (With Text)

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Title: Consideration of and action on a Professional Services Agreement with SOAP Engineering, LLC for services related to the SCADA system.

Sponsors: Public Works

Indexes:

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Attachments: 1. Proposed Agreement with Soap Engineering for SCADA Improvements

Date	Ver.	Action By	Action	Result
9/7/2021	1	City Council		

Consideration of and action on a Professional Services Agreement with SOAP Engineering, LLC for services related to the SCADA system.

Summary:

Both the Water Treatment Plant and the Wastewater Treatment Plant utilize a SCADA system (Supervisory Control and Data Acquisition). This allows the operators to control various pumps, blowers, and valves from a desktop, tablet, or cellular device while allowing other information like flows, pump run times, and pressures to gathered in one place for making decisions regarding the system. The proposal provided by SOAP engineering accomplishes three tasks:

1. At the Water Treatment Plant, it brings in information from the Avon tower, brings additional information from the P Street, Pasadena Blvd., and Coy sites as it relates to water quality, and ties in additional information to SCADA like pump status of chemical feed pumps, inline analyzers, and creates more accessible historical data.
2. At the Wastewater Treatment Plant, the proposal adds items to SCADA outside of the scope of CDM Smith such as the run status of the generator and the ability to see and control the blowers and grit removal system.
3. At the Lift Stations, a primary function of the Water/Sewer Maintenance Division, the proposal adds radios to communicate the information into the City’s IT network. From there, the data will reside on the SCADA system of the Wastewater Plant, but the use of tablets will allow the Water/Sewer Maintenance personnel to access information from the sites, start and stop pumps, and provide remote access that is currently unavailable.

SOAP Engineering has provided this quote utilizing the Professional Services Agreement following a review of our current SCADA systems and the PLCs (Programmable Logic Controller) located at our different sites.

Fiscal/Budgetary Impact:

This agreement will be paid out of the Water Sewer Bond Funds as part of the Capital Improvement Plan.

Staff recommends accepting the agreement.