CITY OF SAN MATEO

Agenda Report

Agenda Number: 9	Section Name: {{section.name}}	File ID: {{item.tracking_number}}

TO: City Council

FROM: Drew Corbett, City Manager

PREPARED BY: Public Works Department

MEETING DATE: April 04, 2022

SUBJECT:
Wastewater Treatment Plant SCADA Monitoring and Upgrade – Agreement

RECOMMENDATION:
Adopt a Resolution to approve an alternative purchasing procedure for an agreement with Technology Management Professionals dba TMPros to monitor, upgrade, and maintain the Supervisory Control and Data Acquisition (SCADA) system at the Wastewater Treatment Plant in the amount of $27,400 and authorize the Public Works Director to execute the agreement in substantially the form presented.

BACKGROUND:
The Wastewater Treatment Plant (WWTP) uses a Supervisory Control and Data Acquisition (SCADA) system to monitor and control equipment and processes at both the WWTP and the Dale Avenue pump station. This system is critical to maintaining and operating the WWTP and must be monitored and updated as necessary. The WWTP is also integrating the sewer collection system and the Underground Flow Equalization System SCADA platforms, of which TMPros is part of the integration team. TMPros has demonstrated the competency to monitor, patch, and upgrade the WWTP's SCADA system. City Council approved the original agreement with TMPros on August 16, 2021. The original agreement has expired and additional work from TMPros is required.

WWTP staff and the Clean Water Program are pursuing a SCADA firewall installation and configuration. TMPros has been asked to help coordinate the network issues at the Corporation Yard with Wave (Astound) fiber and to also provide assistance on an as-needed basis to help keep the SCADA merger project and the WWTP expansion project on schedule. The additional support tasks that TMPros will provide include:

- Merging the existing WWTP network switches into one physical switch with two separate local area networks (cost $8,000).
- Configuring a new firewall and establishing communication with the WWTP's firewall. This will ensure the City's entire SCADA system will meet cyber security standards (estimated cost $4,400).
- Attending workshops and providing technical input on the WWTP expansion project's network-related submittals (estimated cost of $15,000)

San Mateo Municipal Code section 3.60.050(b) authorizes procurement without competitive bidding procedures when calling for bids is impracticable, unavailing, or impossible. A second agreement with TMPros for this project meets these criteria since TMPros is currently the only provider working on this project that has been vetted by the City's Information Technology Department and found to have the requisite expertise. Qualifying another provider mid-project with an expectation that it would meet TMPros' current knowledge and standards is impracticable. Therefore, staff recommends approving a second agreement with TMPros.

BUDGET IMPACT:
The monitoring and upgrade consulting costs were budgeted, and sufficient funds are available in the WWTP Maintenance budget and the Clean Water Program to cover the expenses.

ENVIRONMENTAL DETERMINATION:
This Council action is exempt from CEQA in that it can be seen with certainty that there is no possibility this activity will have a significant effect on the environment, because this activity relates to software technology support and improvements without any necessary physical changes that may impact the environment. (CEQA Guidelines Section 15061(b)(3).)

NOTICE PROVIDED
All meeting noticing requirements were met.

ATTACHMENTS
Att 1 – Proposed Resolution
Att 2 – Agreement

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