



# CITY OF SAN MATEO

City Hall  
330 W. 20th Avenue  
San Mateo CA 94403  
[www.cityofsanmateo.org](http://www.cityofsanmateo.org)

## Agenda Report

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Agenda Number: {{item.number}}

Section Name: {{section.name}}

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**TO:** City Council  
**FROM:** Drew Corbett, City Manager  
**PREPARED BY:** Public Works Department  
**MEETING DATE:** July 20, 2020

**SUBJECT:**

Wastewater Treatment Plant Supervisory Control and Data Acquisition System Merger Project and the Collections System – Agreement

**RECOMMENDATION:**

Award an agreement to Enterprise Automation for the design, programming, configuration, installation, testing, commissioning and training services for the Supervisory Control and Data Acquisition System Merger Project in an amount of \$787,480; establish a contingency of \$80,000 for a total not to exceed amount of \$867,480; and authorize the Public Works Director to execute the agreement in substantially the form presented and issue change orders within the contingency amount.

**BACKGROUND:**

The City completed a control system upgrade project (Immediate Action Project 1) in 2017, which installed a new process control system, including new network switches, controllers and Supervisory Control and Data Acquisition (SCADA) servers at the wastewater treatment plant (WWTP). The sewer collection system currently runs on an older SCADA system that operates separately from the WWTP and is in need of an upgrade. Once the WWTP Upgrade and Expansion and Underground Flow Equalization System (UFES) projects are completed, all three facilities (the WWTP, the Corporation Yard and UFES) will have to operate on one SCADA network.

The scope of the SCADA Merger Project has three primary components:

1. Upgrade of the WWTP SCADA system from Wonderware Version 2014 to Version 2020;
2. Upgrade of the sewer collection SCADA system from an expired license to a Wonderware Version 2020 and merging with the WWTP SCADA system; and
3. Configuration of a new alarm management system for both the sewer collection system and the WWTP.

In 2017-2019, the Clean Water Program preselected three system integrators to perform SCADA and Programmable Logic Controller (PLC) programming. In 2019, a Request for Proposals (RFP) was issued for the SCADA Merger Project to the three preselected system integrators. Enterprise Automation and Tesco Controls responded to the RFP and submitted proposals that were reviewed by both City and Jacobs staff. These were ranked based on the technical qualifications, project approach and cost. Enterprise Automation was selected for the work based on their level of expertise and approach to the project.

Municipal Code section 3.60.040(c) allows for the award of professional services agreements with engineers, specialized consultants and technicians through a negotiated process. The services with Enterprise Automation were negotiated and the cost was reduced from \$1,104,768 to \$787,480.

**BUDGET IMPACT:**

Sufficient funds are available in Project No. 469916.

**ENVIRONMENTAL DETERMINATION:**

In accordance with CEQA Guidelines Section 15378(a), this project is not a 'project' subject to CEQA as can be seen that it has no potential to result in either a direct, physical change in the environment or a reasonably foreseeable indirect physical change in the environment.

**NOTICE PROVIDED**

All meeting noticing requirements were met.

**ATTACHMENTS**

Att 1 – Agreement

**STAFF CONTACT**

Azalea Mitch

[amitch@cityofsanmateo.org](mailto:amitch@cityofsanmateo.org)

(650) 522-7309