



**City of Grand Forks
Staff Report**

Committee of the Whole- April 27, 2020
City Council – May 4, 2020

**APPROVED & ACCEPTED
by City Council**

05/04/2020

Maureen Storstad
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City Auditor

Agenda Item: Collection System Supervisory control and data acquisition (SCADA) Upgrades, City Project #8229

Submitted by: Melanie Parvey, Water Works Director

Staff Recommended Action Approve Professional Services agreement with AE2S in the amount of \$383,925.00 to upgrade the stormwater, wastewater and flood protection collection scada systems.

Committee Recommendation:

Mock and Vein recuse from vote, motion by Weigel, second by Marshall. Refer to City Council with the recommendation to approve.

Council Action: Motion by Sande, second by Marshall, to recuse Vein and Mock from voting on this item. Motion carried unanimously.
Motion by Weigel, second by Weber to approve the staff recommendation.
Motion carried 5-0, with Vein and Mock Recused.

Project Summary

The software supporting the 24/7 monitoring of the wastewater/stormwater/flood protection system needs to be upgraded. The professional services agreement with AE2S is for \$383,925.00 to complete this work. The project cost was estimated at \$400,000 and funds are included in the 2020 budget. I have reviewed this project need with the City Administrator and Finance Director. The staff has identified other projects that we will not proceed with this year because of the concern of the City's financial status but still feel this is an essential project that we need to proceed with to support the ongoing operations of the wastewater/stormwater and flood protection collection system. This system upgrade will support the 70 different locations of the wastewater, stormwater and flood pump stations.

There are restrictions within the current system in order to effectively manage the collection system, meaning that the system does not have the capacity to be able to track all the operational items the staff feels are necessary to effectively manage the systems. There have also been interruptions with the current programs over the last year and a half.

This system upgrade was planned with the update of the SCADA program at the Grand Forks Regional Water Treatment Plant. The staff worked together and they are integrating this program system across all the water divisions.

The Water Plant serves as the 24/7 operations support for all the water divisions. The other divisions do not have staff 24/7 although the systems continue to operate. The SCADA

system supports the staff in providing that electronic monitoring when the staff are not present. The system provides alarms and then operators at the Water Plant notify the staff within the correct division to inform them of the alarm.

ANALYSIS AND FINDINGS OF FACT:

The staff worked together to pick a software program that would best support all divisions within the Water Department. All the divisions working on the same program will provide for more seamless operation across all divisions.

SUPPORT MATERIALS:

- Agreement between Owner and Engineer for Professional Services is available and will be reviewed by the City Attorney as it is routed for signature upon approval of the City Council