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**TO:** Chairperson Vered Meltzer and Members of the Utilities Committee

**FROM:** Chris Stempa, Utilities Deputy Director

**DATE:** May 21, 2021

**RE:** *Approve Contract Amendment #1 to McMahan for 2021 Solids Dewatering Equipment Upgrades to increase for additional HVAC design and construction management services in the amount of \$27,000 resulting in a decrease to contingency from \$32,587 to \$5,587. Overall contract increased from \$325,872 to \$352,872*

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**BACKGROUND:**

The Appleton Wastewater Treatment Plant (AWWTP) 2021 Solids Dewatering Equipment Upgrades Project engineering service contract was awarded to McMahan by Common Council on February 3, 2021.

The engineering services provided by McMahan will guide the rehabilitation of existing equipment which has reached its useful life and associated upgrades along with schedule of estimated costs that will address immediate and long-term needs. The final design shall consider cost, functionality, versatility, expandability, efficiency, and safety. The City will evaluate each design concept or alternative as part of Phase II work from which a project will be developed for construction in 2022 and 2023.

During the design process for 2021 Solids Dewatering Equipment Upgrades Project it was determined that a complete HVAC system upgrade within the V-Building is needed as opposed to a upgrades limited only to the solids dewatering floor. The requirements needed for the new dewatering equipment would cause unexpected consequences with the existing equipment. The completion the entire HVAC system would also maximize the overall system efficiency by including heat recovery and optimizations to the upper heating loop operation.

The intent of advancing Amendment #1 is to take advantage of HVAC design improvements identified within McMahan's existing contract and bundle it with the opportunity to optimize the greater HVAC system that is interconnected within V-Building.

## **SUMMARY**

The cost of additional engineering design and construction management services outlined Contract Amendment #1 totals \$27,000. This amendment would result in the 2021 Solids Dewatering Equipment Upgrades contract with McMahon increasing from \$325,872 to \$352,872 and a decrease to contingency from \$32,587 to \$5,587. If you have any questions regarding this project, please contact Chris Stempa at ph: 832-5945.