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TO: Chairperson William Siebers and Members of the Finance Committee

FROM: Chris Shaw, Utilities Director

DATE: September 10, 2021

RE: *Change Order 5 for the Phase I Lake Station Construction Contract to Miron Construction Company in the amount of \$185,444.33 decreasing project contingency from \$143,349.92 to (\$51,811.82)*

BACKGROUND:

The Appleton Water Treatment Facility (AWTF) draws and treats raw water from Lake Winnebago through the Raw Water Lake Station (RWLS). The RWLS is the largest satellite facility within the Appleton Water Utility. The station processes raw water from a 1,300-foot lake intake pipe and pumps water through screening and pretreatment oxidation that is then conveyed to the Appleton Water Treatment Facility. The intent of this project was to address reliability and redundancy in raw water treatment and to meet current regulatory standards. The construction phase of this project is currently complete with Miron Construction and in the warranty phase.

A major component of this project was marine construction to complete maintenance and construction activities on the 48-inch lake intake piping. The 1,300-foot section of intake is submerged in Lake Winnebago. Planning and bidding for the intake centered around “As Built” drawings from historical records. During this marine construction phase, divers noted that there was an extension on the pipe and that ballast boulders were placed over intake piping. These conditions were not identified in the bidding documents. Consequently, the project was interrupted as a change order would result that would consume most of the project contingency funding.

Alternatives were explored including stopping the project and bringing in a barge equipped with a crane to remove the boulders. Each of these alternatives would have resulted in greater costs to the water utility and therefore the decision was made to complete the work with the contractor’s on-site diving company.

The funding for this change order exceeds the project contingency for this phase. However, it should be noted that, Change Order #1 for \$173,214.65 was transferred into this project to alleviate costs in the Phase II Piping Project (refer to UC Memo: Lake Station Project Change Order 1 dated February 2, 2021). The Phase II project funding will be the source of funding for the difference (\$51,811.82).