

MEMORANDUM

Date: October 18, 2022

To: City of Madison Finance Committee, Water Utility Board and Madison Common Council

From: Joe DeMorett, Water Supply Manager

Subject: Amendment of the 2022 Water Utility Capital Budget to authorize the transfer of Funds from the 2022 Unit Well Rehab Program to the Unit Well 14 Mitigation project.

Recommendation

Authorize amendment of the 2022 Water Utility Capital Budget to transfer \$100,000 from Account Number 13594-86-150 (Project Name: 2022 Unit Well Rehab Program) to Account Number 11900-86-140 (Project Name: UW 14 Mitigation) for engineering services necessary to conduct a groundwater/borehole characterization study and borehole rehabilitation at UW 14. This study and rehabilitation services are necessary to mitigate the elevated and rising levels of sodium and chloride in Well 14 water.

Background

The initial stages of the UW 14 Mitigation Study showed that the well has approximately 150 feet of sediment in the bottom of the borehole. In addition, it revealed that the lower borehole contains surface deposits that are inhibiting the flow of water into the borehole and lowering its specific capacity. Removal of the sediment and rehabilitation of the borehole is therefore necessary before the study can proceed any further.

A request for bids to conduct both the study and rehabilitation services was conducted and Water Well Solutions was the low bidder with a proposal of \$194,580. Other estimated costs bring the project to a total cost of \$220,000, of which \$120,000 has already been encumbered.

An additional budget allocation of \$100,000 will be required to complete this work. The Utility identified existing budget in the 2022 Unit Well Rehab Program that could accommodate transfer due to work that is not anticipated to proceed in 2022.

The Utility is requesting a budget amendment to transfer \$100,000 of existing budget authority from the 2022 Unit Well Rehab Program to the Unit Well 14 Mitigation project for engineering services necessary to continue the groundwater/borehole characterization studies and required borehole rehabilitation services at Unit Well 14 in 2022.