



Staff Report

February 6th, 2023 Workshop Meeting

WWTP Support Services

Presenter: Rob Charles, Utilities Manager

Time Estimate: 10 minutes

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BACKGROUND: The City's Wastewater Treatment Plant (WWTP) experiences a high level of hydrogen sulfide in the system due to STEP tanks and long force mains in the sewer system. Hydrogen Sulfide is very damaging to concrete, metal, and other surfaces within both the collection and treatment system of a sewer system.

Blowers in the equipment building have reached their life cycle and need to be replaced. Blowers blow air into the treatment train and help remove hydrogen sulfide gas and other volatile organics.

This is the third Task Order under a "Master Agreement" with HDR, Inc. for WWTP support services related to necessary repair and replacement projects or upgrades to the WWTP. HDR, Inc. was originally selected for this work through a Request for Proposals process from other qualified consultants. The items listed in this Task Order have been identified for repair or replacement as part of the city's Facility Plan upgrades at the WWTP.

SUMMARY: HDR Inc.'s Scope of Services will prepare design bid documents for repair of the damaged concrete in the headworks structure, repair and recoating of the damaged metal within the primary clarifiers, and upgrading two of the four blowers to turbo blowers which will provide for better efficiency and energy savings. Energy incentives from Clark Public Utilities will be available for moving to more energy efficient blowers. A hydraulic modeling effort at the WWTP will identify pinch points in the system that may need to be upgraded as part of future task orders.

BENEFITS TO THE COMMUNITY: The community will benefit by the City continuing to meet the high quality liquid discharge to the Columbia River as well as energy savings associated with the blower upgrades.

BUDGET IMPACT: The cost of this Task Order will be \$169,900 and there is sufficient budget in the WWTP fund to cover these expenses. Award of any construction contracts for this work will be brought to City Council separately for approval.

RECOMMENDATION: Staff recommends this item be placed on the February 21st consent Agenda for Council's Consideration.