

Memorandum

REPORT TO: City Commission

FROM: Brian Heaston, Senior Water Resources Engineer

SUBJECT: Authorize the City Manager to Sign Task Order No. 2 of the Professional Services Master Task Order Agreement with HDR Engineering, Inc. Providing for UV Disinfection System Controls Upgrades at the Water Reclamation Facility.

MEETING DATE: July 15, 2025

AGENDA ITEM TYPE: Agreement - Vendor/Contract

RECOMMENDATION: Authorize the City Manager to Sign Task Order No. 2 of the Professional Services Master Task Order Agreement with HDR Engineering, Inc. Providing for UV Disinfection System Controls Upgrades at the Water Reclamation Facility.

STRATEGIC PLAN: 2.2 Infrastructure Investments: Strategically invest in infrastructure as a mechanism to encourage economic development.

BACKGROUND: HDR Engineering provides professional engineering services on an on-call basis for the Water Reclamation Facility (WRF) under a master task order professional services agreement authorized by the City Commission on June 3, 2025. Task Order 2, attached, provides for engineering services to design and implement UV disinfection system controls upgrades. These upgrades were identified and recommended by HDR through the predesign phase services recently completed for the WRF Phase 1 Hydraulic Upgrades project.

The objectives of the UV upgrades effort are threefold: 1) optimize the performance of the existing UV treatment process to reduce annual power demands and costs as well as extend the remaining useful life of existing UV equipment; 2) obtain approval from Montana DEQ to re-rate the existing approved design capacity of the UV system to a higher rated capacity supported by actual system performance data; and 3) provide for seamless replacement of existing Gen2 UV system components, which the equipment manufacturer, Trojan Technologies, is no longer supporting in favor of bringing its new Gen3 equipment to market. The UV disinfection system is the final treatment process employed at the WRF prior to the discharge of treated effluent to the East Gallatin River.

UNRESOLVED ISSUES: None.

ALTERNATIVES: As suggested by the City Commission.

FISCAL EFFECTS: The negotiated fee for Task Order 2 is not to exceed a total cost of \$47,364.00. Funding for this task order is provided by FY24 wastewater fund appropriations allocated to capital improvement project WW129 – WRF Phase 1 Hydraulic Upgrades that have been carried forward into current FY26. Sufficient budget authority exists to complete the agreed scope of work.

Attachments:

[Task Order No. 2 - Combined.pdf](#)

Report compiled on: July 1, 2025