

STAFF REPORT

Date: January 11, 2017

To: Mayor and City Council

Thru: William Thomas, Acting City Manager

Subject: Staff Report (For Possible Action): Approval of Consultant Agreement for Construction Management Services with HDR Engineering, Inc. for the Truckee Meadows Water Reclamation Facility (TMWRF) Nitrification Tower Control Valve Replacement Phase 2 Project in an amount not to exceed \$246,700.00 with the City of Reno's portion being \$169,310.21 (Sewer Enterprise Fund).

From: David Kershaw, Associate Civil Engineer

Summary: Construction management services are required for the Truckee Meadows Water Reclamation Facility (TMWRF) Nitrification Tower Control Valve Replacement Phase 2 Project. This scope of work will provide construction services during project construction that includes construction management, construction administration, inspection, and project closeout. Staff recommends Council approve the Agreement for consultant services with HDR for professional services associated with construction management as described in the attached proposal in an amount not to exceed \$246,700.00 (Reno's share being \$169,310.21 from the Sewer Enterprise Fund).

Previous Council Action:

April 27, 2016 - Council approved a consultant services agreement between HDR Engineering, Inc. (HDR), the City of Reno and the City of Sparks for Consulting Engineering Services for the Truckee Meadows Water Reclamation Facility (TMWRF) Nitrification System Control Valve Phase 2 Replacement Project in the amount of \$175,360.00, with Reno's share being \$120,349.57 (Sewer Enterprise Fund).

Background: The Truckee Meadows Water Reclamation Facility (TMWRF) is jointly owned by the Cities of Reno and Sparks. The City of Reno oversees the Capital Improvement Program for TMWRF, while the City of Sparks manages operations. The TMWRF Joint Coordinating Committee (JCC) has approved the TMWRF five-year capital improvement plan that includes this project and allocated sufficient funding for this project in the capital improvement plan.

Discussion: The control valves for the Nitrification Tower Filters (NTFs) must be operated at least twice per week as part of a snail mitigation treatment procedure critical to the operation and maintenance of the NTFs and TMWRF’s operation. The filters can only be taken offline for 4 to 6 hours at a time. Most of the valves do not have motor actuation, and can be difficult or time consuming for staff to operate. Several of the control valves are presently direct buried and operational difficulties are being encountered which includes leakage when closed. Some of the flow meters associated with the NTFs and nitrogen removal process do not currently operate or are not accurate. This project is being completed in two phases. The initial phase of work was completed last year. The Phase 2 work will build off of previous work completed during Phase 1 and address the remaining valves and meters.

This consultant agreement will assist staff by providing construction management services during the project construction. This scope includes review of contractor submittals, responding to requests for information and field change clarifications, assistance in the preparation and review of change orders, preparing and processing payment applications, and conducting regularly scheduled project coordination meetings, on-site meetings and field visits. HDR was initially selected from the City’s approved list of engineering consultants to provide professional services for this project.

The consideration of approval for a construction contract with K.G. Walters Construction Co., Inc. for construction of this project will also be considered by Council on January 11, 2017, as a separate, but related item.

Financial Implications: The City of Reno will administer the agreement and will be reimbursed for a portion of the costs by the City of Sparks through the current cost sharing agreement for TMWRF operation and maintenance. The City of Reno and the City of Sparks share the cost of this project as follows: 68.63% for Reno and 31.37% for Sparks, as shown in Table 1. Costs for the City of Reno are budgeted in the Sewer Enterprise Fund. This project is included in the TMWRF Capital Improvement Plan that was approved by the Joint Coordinating Committee (JCC).

Table 1 – Cost Sharing Between Reno and Sparks

Total Cost of Agreement	Reno Share	Sparks Share
\$246,700.00	\$169,310.21	\$77,389.79
Percentages	68.63%	31.37%

Legal Implications: The agreement does provide that if any work is subject to prevailing wage per NRS 338.010 – 338.090. Legal review has been completed for compliance with City

procedures and Nevada Law.

Recommendation: Staff recommends Council approve the Agreement for Construction Management Services with HDR Engineering, Inc. for the Truckee Meadows Water Reclamation Facility (TMWRF) Nitrification Tower Control Valve Replacement Phase 2 Project in an amount not to exceed \$246,700.00 with the City of Reno's portion being \$169,310.21 (Sewer Enterprise Fund) and authorize the Mayor to sign.

Proposed Motion: I move to approve staff recommendation.

Attachments: