

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 Award of Contract to K.G. Walters Construction Co., Inc. for construction of the Truckee Meadows Water Reclamation Facility (TMWRF) Nitrification Tower Control Valve Replacement Phase 2 Project for the Base Bid and Additive Alternates A, B & C in an amount not to exceed \$1,281,000.00 with the City of Reno's portion being \$879,150.30 (Sewer Enterprise Fund).

From: David Kershaw, Associate Civil Engineer

Summary: Staff recommends Council approve the award of contract to K.G. Walters Construction Co., Inc. for construction of the Truckee Meadows Water Reclamation Facility Nitrification Tower Control Valve Replacement Phase 2 Project for the Base Bid and Additive Alternates A, B & C in an amount not to exceed \$1,281,000 with the City of Reno's portion being \$879,150.30 (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 design in the amount of \$175,360.00, with Reno's share being \$120,349.57 (Sewer Enterprise Fund).

Background: 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 this last year. The Phase 2 work will build off of previous work completed during Phase 1 and address the remaining valves and meters.

Discussion: The construction contract includes replacement of approximately 17 valves ranging in size from 4 inches to 36 inches, installation of electric actuators, repairing and/or replacing two existing flow meters, minor piping modifications and associated appurtenances.

Bids were opened on November 30, 2016. The lowest responsive and responsible bidder is K.G. Walters Construction Co., Inc. The current CIP budget approved by the TMWRF Joint Coordinating Committee for the construction of this project will support the award of the Base Bid and all Additive Alternates in the amount of \$1,281,000.00.

Table 1 presents a summary of the bids received:

Table 1 – Bid Summary

Item	K.G. Walters Construction Co., Inc.	Record Steel and Construction, Inc.	Walker River Construction, Inc.
Base Bid with Additive Alternates A, B & C	\$1,281,000.00	\$1,506,792.00	\$3,092,716.55

The consideration of approval for an agreement with HDR Engineering, Inc. for construction management services for 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.

Table 1 - Cost Sharing Between Reno and Sparks

Total Cost of Contract	Reno Share	Sparks Share
\$1,281,000.00	\$879,150.30	\$401,849.70
Percentages	68.63%	31.37%

Legal Implications: The Contract was competitively bid in accordance with Chapter 338 of the NRS. NRS 338.147 provides that a local government shall award a contract for a public work

for which the estimated cost exceeds \$250,000 to the contractor who submits the best bid pursuant to the requirements established in Chapter 338.147.

Recommendation: Staff recommends Council approve the award of contract to K.G. Walters Construction Co., Inc. for construction of the Truckee Meadows Water Reclamation Facility Nitrification Tower Control Valve Replacement Phase 2 Project for the Base Bid and Additive Alternates A, B & C in an amount not to exceed \$1,281,000 with the City of Reno's portion being \$879,150.30 (Sewer Enterprise Fund), and authorize the Mayor to sign.

Proposed Motion: I move to approve staff recommendation.