

STAFF REPORT

Date: December 13, 2023

To: Mayor and City Council

Thru: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Award of Contract to TNT Industrial Contractors, Inc. for the 2023 Truckee Meadows Water Reclamation Facility Steamboat Reuse Meter Vault Addition Project in the amount not to exceed \$386,740 with Reno's share being \$265,419.66 (Sewer Fund).

From: Matt Smith, Senior Civil Engineer

Department: Utility Services

Summary:

A new effluent reuse meter at the Truckee Meadows Water Reclamation Facility (TMWRF) is needed to effectively calculate and document the use of effluent between the Cities of Reno and Sparks. This project will install a new meter and associated electrical equipment inside an existing vault to provide both cities with a redundant meter that will totalize the Reno reuse flow. TNT Industrial Contractors, Inc. (TNT) submitted the best bid pursuant to the requirements established in Nevada Revised Statutes (NRS) Chapter 338. Staff recommends Council to award the contract to TNT in an amount not to exceed \$386,740 for the base bid and project contingency (Reno's share being \$265,419.66 from the Sewer Fund).

Alignment with Strategic Plan:

Fiscal Sustainability
Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action:

December 7, 2022 – Council approved a Consulting Agreement for Engineering Design Services with SB Engineering for the UNR-Mira Loma Reuse System Improvements Project.

Background:

TMWRF is jointly owned by the Cities of Reno and Sparks and has expanded its effluent reuse network over the course of the last 40 years. The effluent reuse system sends treated effluent to customers in both cities for irrigation and construction water. The water is conveyed from the plant through a pump station, then into the Reno and Sparks pipelines for distribution to the

Cities' respective customers. Each customer and reuse site must have metering facilities for TMWRF to report the discharge of the water to comply with the discharge permit. Currently, there is no redundant meter in the Reno or Sparks reuse system, and TMWRF solely relies on the flow meter in the pump station to calculate any discrepancies when there is a meter outage or other issue.

The current infrastructure, lacking redundancy, requires staff time for emergency repairs on the effluent meters, traveling to remote locations to gather flow data, and results in unreliable flow monitoring, and potential permit violations due to lack of available flow data.

In a separate, but related item, SB Engineering is proposed to be retained by the City to perform engineering services during construction for the 2023 TMWRF Steamboat Reuse Meter Vault Addition Project, under a director-level approval amount of \$13,260 (Reno's share being \$9,100.34 from the Sewer Fund).

Discussion:

This project includes the demolition of 30-inch pipe and fittings inside of an existing vault, installation of 30-inch pipe, installation of conduit and electrical equipment, installation of instrumentation and a new flow meter, and miscellaneous electrical and mechanical work as required to construct the new metering facility.

Staff conducted a public bid for this project. One contractor submitted bids, which were received and opened on October 18, 2023. Staff evaluated TNT's bid, and it met the criteria as specified in NRS Chapter 338. TNT submitted the lowest responsive bid of \$386,740 for the base bid and project contingency. TNT is a General Contractor, licensed in Nevada, and has completed projects for the City that included similar work. The engineer's estimate was \$250,000. Although only one bid was received, staff believes that the bid may not be substantially different or would increase in price if the project was rebid, due to electrical equipment lead times and increasing construction costs.

Table 1 – Bid Summary

TMWRF TWAS Improvements Project	Engineer's Estimate	TNT Industrial Contractors, Inc.
Base Bid	\$250,000	\$353,830

Staff recommends award to TNT for an amount not to exceed \$386,740, which includes a contingency allowance of \$32,910 for unforeseen conditions encountered during construction (City of Reno's share being \$265,419.66 from the Sewer Fund).

Table 2 – Recommended Bid Award

Base Bid	\$353,830
Contingency	\$32,910
Bid Award	\$386,740

The consequences of not awarding this bid today will result in additional staff time spent performing emergency repairs on the effluent meters, and traveling to remote locations to gather flow data, resulting in unreliable flow monitoring, and potential permit violations for lack of available effluent reuse flow monitoring data.

Financial Implications:

Utility Services has allocated funds for TMWRF capital improvement projects, as outlined in the City of Reno Annual Budget for FY24. The 2023 TMWRF Steamboat Meter Vault Addition Project is included in the current fiscal year’s CIP as approved by the TMWRF Joint Coordinating Committee (JCC) and the respective City Councils of Reno and Sparks through the budget process. The City of Reno will administer the contract and will be reimbursed for a portion of the costs by the City of Sparks through the current cost sharing agreement for TMWRF operations 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 3. Costs for the City of Reno are budgeted in the Sewer Fund.

Table 3 – Cost Sharing Between Reno and Sparks

Total Cost of Contract	Reno Share	Sparks Share
\$386,740	\$265,419.66	\$121,320.34
Percentages	68.63%	31.37%

Legal Implications:

This Contract was competitively bid in accordance with NRS Chapter 338. NRS338.147 provides that local government shall award a contract for public work for which the estimated cost exceed \$250,000 to the contractor who submits the best bid pursuant to the requirements of the chapter.

Recommendation:

Staff recommends Council award of Contract to TNT for the 2023 TMWRF Steamboat Meter Vault Addition Project in an amount not to exceed \$386,740, with the City of Reno's portion being \$265,419.66 (Sewer Fund), and authorize the Mayor to sign.

Proposed Motion:

I move to approve the staff recommendation.

Attachments:

Area & Vicinity Map for the 2023 TMWRF Steamboat Meter Vault Addition Project
2023 TMWRF Steamboat Meter Vault Addition Project Construction Contract - TNT