

STAFF REPORT

Date: February 12, 2020

To: Mayor and City Council

Thru: Sabra Newby, City Manager

Subject: **Staff Report (For Possible Action): Approval of an Award of Contract to Nelson Electric Co. Inc. for the Truckee Meadows Water Reclamation Facility (TMWRF) Raw Sewage Pump Station Switchgear and LVDC-1A Switchboard Rehabilitation Project in an amount not to exceed \$1,010,950 with the City of Reno's share being \$693,814.99 (Sewer Fund).**

From: Matt Smith, Associate Civil Engineer

Summary: This construction project consists of replacement of the 2400-volt Raw Sewage Pump Station Switchgear, LVDC-1A switchboard and transformer, and necessary equipment and appurtenances. The equipment to be replaced in this project is at least 25 years old and is reaching the end of its useful and reliable life, and is having switching difficulties. Therefore, the proposed replacement of this electrical equipment will help to maintain a reliable and redundant power supply to key TMWRF facilities. Staff recommends Council to award Contract to Nelson Electric Co., Inc. for the Truckee Meadows Water Reclamation Facility (TMWRF) Raw Sewage Pump Station Switchgear and LVDC-1A Switchboard Rehabilitation Project in an amount not to exceed \$1,010,950 with the City of Reno's share being \$693,814.99 (Sewer Fund).

Previous Council Action: March 28, 2018 - Council approved agreement with AECOM Technical Services, Inc. (AECOM) for engineering design services for (TMWRF) Raw Sewage Pump Station Switchgear and LVDC-1A Switchboard Rehabilitation Project in the amount of \$302,685 with Reno's share being \$207,732.72. (Sewer 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 (CIP) for TMWRF, while the City of Sparks manages operations.

This CIP project includes the replacement of the 2400-volt Raw Sewage Pump Station Switchgear, LVDC-1A switchboard and transformer that is at least 25 years old and is reaching the end of its useful and reliable life, in addition to having switching difficulties. The proposed replacement of this electrical equipment will help to maintain a reliable and redundant power supply to crucial TMWRF process facilities.

Discussion: To address the need to maintain a safe and reliable power supply to crucial TMWRF facilities, AECOM in concurrence with TMWRF staff review and input, vital improvements in the system were identified as being needed to maintain system reliability and redundancy. Improvement plans that outline the replacement of the 2400-volt Raw Sewage

Pump Station Switchgear, the replacement of the LVDC-1A switchboard and transformer, and necessary equipment and appurtenances were designed and bid.

Bids were opened on January 16, 2020. The lowest responsive and responsible bidder is Nelson Electric 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 Bid in the amount of \$1,010,950

Table 1 presents a summary of the bids received:

Table 1 – Bid Summary

Item	Nelson Electric Co., Inc.	Triumph Electric Co.	San Joaquin Electric
Bid	\$1,010,950	\$1,155,600	\$1,766,000

The consideration of approval for an agreement with AECOM for construction management services for this project will also be considered by Council as a separate, but related item.

Financial Implications: 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 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 2. Costs for the City of Reno are budgeted in the Sewer Fund. This project is included in the TMWRF Capital Improvement Plan that was approved by the Joint Coordinating Committee.

Table 2 - Cost Sharing Between Reno and Sparks

Total Cost of Contract	Reno Share	Sparks Share
\$1,010,950	\$693,814.99	\$317,135.01
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 to award Contract to Nelson Electric Co., Inc. for the Truckee Meadows Water Reclamation Facility (TMWRF) Raw Sewage Pump Station Switchgear and LVDC-1A Switchboard Rehabilitation Project in an amount not to exceed \$1,010,950 with the City of Reno's share being \$693,814.99 (Sewer Fund), and authorize the Mayor to sign.

Proposed Motion: I move to approve staff recommendation.