

STAFF REPORT

Date: February 12, 2020

To: Mayor and City Council

Thru: Sabra Newby, City Manager

Subject: **Staff Report (For Possible Action): Approval of a Consulting Agreement for Construction Management Services with AECOM Technical Services, Inc. for the Truckee Meadows Water Reclamation Facility (TMWRF) Raw Sewage Pump Station Switchgear and LVDC-1A Switchboard Rehabilitation Project in the amount of \$298,200 with Reno's share being \$204,654.66 (Sewer Fund).**

From: Matt Smith, Associate Civil Engineer

Summary: Construction management services are required for the Truckee Meadows Water Reclamation Facility (TMWRF) Raw Sewage Pump Station Switchgear and LVDC-1A Switchboard Rehabilitation Project. This rehabilitation effort will include final design for 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 approve the Agreement for Consultant Services with AECOM Technical Services, Inc. (AECOM) for construction management services as described in the attached scope of work in an amount not to exceed \$298,200 (Reno's share being \$204,654.66 from the 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 key TMWRF process facilities.

Discussion:

Based on the completed evaluation, and in concurrence with TMWRF staff review and input, key improvements in the system were identified as being needed to maintain system reliability and redundancy. Improvement plans made by AECOM that outline the replacement of the 2400-volt Raw Sewage Pump Station Switchgear, replacement of the LVDC-1A switchboard and transformer, and necessary equipment and appurtenances were designed and bid. A recommendation for the construction contract award for this project is scheduled to be considered by Council on February 12, 2020, as a separate, but related item.

This consultant agreement will provide construction management services during project construction that includes construction management, engineering services during construction, inspection, testing, startup assistance and O&M documentation. AECOM was selected from the City’s approved list of engineering consultants.

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 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
\$298,200	\$204,654.66	\$93,545.34
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 approval of the consultant agreement with AECOM for construction management services 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 \$298,200, with the City of Reno's portion being \$204,654.66 (Sewer Fund), and authorize the Mayor to sign.

Proposed Motion: I move to approve staff recommendation.