

STAFF REPORT

Date: June 5, 2024

To: Mayor and City Council

Through: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Approval of Consulting Agreement for engineering services during construction to Keller Associates, Inc. (Keller) for the Truckee Meadows Water Reclamation Facility (TMWRF) Primary Sludge Screening Improvements Project in the amount of \$299,540 with the City of Reno's share being \$205,574.30. (Sewer Fund)

From: Matt Smith, Senior Civil Engineer

Department: Utility Services

Summary:

This project at the Truckee Meadows Water Reclamation Facility (TMWRF) will replace the existing obsolete primary sludge screens, associated piping, and valves; install a new access hatch; and upgrade electrical and heating, ventilation, and air conditioning (HVAC) systems. Engineering services during construction and special inspection services are necessary for the TMWRF Primary Sludge Screening Improvements Project. Staff recommends approval of the agreement with Keller Associates, Inc. (Keller) in an amount not to exceed \$299,540 with the City of Reno's share being \$205,574.30 from the Sewer Fund.

Table 1: Consent Review

Consent Review	Yes	No
1. Is this item an annual or standard item that comes before Council for regular approval?		X
2. Is this item an agreement required based on an item previously approved by Council?	X	
3. Is this item included in the current budget approved and adopted by Council?	X	
Other Considerations		
What percent of the total City budget does this item represent?	0.03%	

Alignment with Strategic Plan:

Fiscal Sustainability

Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action:

April 26, 2023 – Council approved a Consulting Agreement for engineering design services with Keller for the TMWRF Primary Sludge Screening and Acid Phase Digester Valve and Piping Improvements Project.

Background:

The Cities of Reno and Sparks jointly own the TMWRF, built in 1964. TMWRF separates incoming wastewater into liquid and solids streams for further treatment. TMWRF screens the solids streams and stores them in large concrete tanks called digesters for gas production before dewatering and hauling to the landfill. The current primary sludge screens at the screening facility at TMWRF have recently experienced repeated failures and are obsolete. Due to the vintage of these screens, spare parts are not available, and repairs need to be custom fabricated and are costly.

As part of the TMWRF Capital Improvement Program (CIP), “Risk Ranking” and paired comparison of infrastructure identifies project priorities, condition, and risk of failure. The fiscal year 2024 ranking process identified primary sludge screening as priority #4.

Also on today’s agenda for Council consideration is the construction bid award to KG Walters Construction Co., Inc. to perform construction of the TMWRF Primary Sludge Screening Improvements Project.

Discussion:

This agreement includes engineering services during construction and special inspection services required for the TMWRF Primary Sludge Screening Improvements construction contract. Keller will provide quality assurance inspection and testing, and inspection reports to assure the contractor performs the construction and installation methods in accordance with manufacturer’s recommendations. Keller is a qualified engineering consultant for engineering services during construction based on their experience designing the project, and their familiarity with the operational and maintenance constraints at TMWRF.

Financial Implications:

The current fiscal year’s CIP includes the TMWRF Primary Sludge Screening Improvements Project as approved by the TMWRF Joint Coordinating Committee (JCC) and the respective City Councils of Reno and Sparks through the budget process. Reno will administer the agreement and Sparks will reimburse Reno for a portion of the costs through the current cost-

sharing agreement for TMWRF operations and maintenance. Reno and Sparks share the cost of this project as follows: 68.63% for Reno and 31.37% for Sparks, as shown in Table 2. The Sewer Fund budget accounts for these costs.

Table 2: Cost Sharing Between Reno and Sparks

Total Cost of Agreement	Reno Share	Sparks Share
\$299,540	\$205,574.30	\$93,965.70
Percentages	68.63%	31.37%

Legal Implications:

The parties are bound by the terms of the agreement as prepared by the Office of the City Attorney.

Recommendation:

Staff recommends Council approval of the consultant agreement with Keller for engineering services during construction for the TMWRF Primary Sludge Screening Improvements Project in an amount not to exceed \$299,540, with the City of Reno's share being \$205,574.30 from the Sewer Fund and authorize the Mayor to sign.

Proposed Motion:

I move to approve staff recommendation.

Attachments:

Area & Vicinity Map for TMWRF Primary Sludge Screening Improvements Project
TMWRF Primary Sludge Screening Improvements Project ESDC Agreement - Keller